

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
1		METOXIA: The translation of new knowledge into cancer detection and treatment processes.	Pettersen, E.O.	Public Service Review: European Union	Issue 20	PSCA-international	UK	01/07/2010	188-189
2	<a href="https://doi.org/10.3109/09553002.2012.646046">10.3109/09553002.2012.646046</a>	Low dose hyper-radiosensitivity is eliminated during exposure to cycling hypoxia but returns after reoxygenation.	Edin, N.J., Olsen, D.R., Sandvik, J.A., Malinen, E. and Pettersen, E.O.	International Journal of Radiation Biology	2012 Apr;88(4)	Informa Healthcare	Epub	06/01/2012	311-9
3	<a href="https://doi.org/10.1007/s13402-012-0081-9">10.1007/s13402-012-0081-9</a>	Alterations of monocarboxylate transporter densities during hypoxia in brain and breast tumour cells	Cheng, C., Edin, J.F.J., Xiaogun, G., Aspmoal, I., Cristoffersen, S., Jian, L., Storm-Mathisen, J., Pettersen, E.O. and Bergersen, L.H.	Cellular Oncology	2012 June; 35(3)	IOS Press		15/06/2012	217-227
4	<a href="http://dx.doi.org/10.1016/j.nucmedbio.2010.02.006">http://dx.doi.org/10.1016/j.nucmedbio.2010.02.006</a>	Synthesis and biological evaluation of a 99mTc-labelled sulfonamide conjugate for in vivo visualization of carbonic anhydrase IX expression in tumor hypoxia.	Akurathi, V., Dubois, L., Lieuwes, N.G., Chitneni, S.K., Cleynhens, B.J., Vullo, D., Supuran, C.T., Verbruggen, A.M., Lambin, P. and Bormans, G.M.	Nuclear Med. Biol.	2010 Jul; 37(5)		Epub	24/04/2010	557-564
5		The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5	Kasper M.A. Rouschop, Twan van den Beucken, Ludwig Dubois, Hanneke Niessen, Johan Bussink, Kim Savelkoul, Tom Keulers, Hilda Mujic, Willy Landuyt, Jan Willem Voncken, Philippe Lambin, Albert J. van der Kogel, Marianne Koritzinsky, Bradly G. Wouters	Journal of Clinical Investigation	Vol. 120/Issue 1	The American Society for Clinical Investigation	United States	04/01/2010	127-141
6		Expression of EGFR Under Tumor Hypoxia: Identification of a Subpopulation of Tumor Cells Responsible for Aggressiveness and Treatment Resistance	Ilse J. Hoogsteen, Henri A.M. Marres, Franciscus J.A. van den Hoogen, Paul F.J.W. Rijken, Jasper Lok, Johan Bussink, Johannes H.A.M. Kaanders	International Journal of Radiation Oncology Biology Physics	Vol. 84/Issue 3	Elsevier Inc.	United States	01/11/2012	807-814
7	<a href="https://doi.org/10.1186/1471-2407-11-167">10.1186/1471-2407-11-167</a>	Metabolic markers in relation to hypoxia; staining patterns and colocalization of pimonidazole, HIF-1α, CAIX, LDH-5, GLUT-1, MCT1 and MCT4.	Rademakers SE, Lok J, van der Kogel AJ, Bussink J, Kaanders JH	BMC Cancer	Vol. 11	BioMed Central		12/05/2011	167-177
8		The angiogenic process as a therapeutic target in cancer	Esther M. Bridges, Adrian L. Harris	Biochemical Pharmacology	Vol. 81/Issue 10	Elsevier Inc.	United States	01/05/2011	1183-1191
9		Impact of exploratory biomarkers on the treatment effect of bevacizumab in metastatic breast cancer.	Jubb, A.M., Miller, K.D., Rugo, H.S., Harris, A.L., Chen, D., Reimann, J.D., Cobleigh, M.A., Schmidt, M., Langmuir, V.K., Hillan, K.J., Chen, D.S. and Koeppen, H.	Clin. Cancer Res.	17; (2011)		Epub 2011	11/01/2011	372-81
10		Close and Stable Relationship between Proliferation and a Hypoxia Metagene in Aromatase Inhibitor-Treated ER-Positive Breast Cancer	Z. Ghazoui, F. M. Buffa, A. K. Dunbier, H. Anderson, T. Dexter, S. Detre, J. Salter, I. E. Smith, A. L. Harris, M. Dowsett	Clinical Cancer Research	Vol. 17/Issue 9	American Association for Cancer Research Inc.	United States	01/05/2011	3005-3012
11		Assessment of tumour hypoxia for prediction of response to therapy and cancer prognosis.	Jubb, A.M., Buffa, F.M., Harris, A.L.	J. Cell. Mol. Med.	14; (2010)			01/04/2011	18-29
12		Expression of vascular notch ligand delta-like 4 and inflammatory markers in breast cancer.	Jubb, A.M., Soilleux, E.J., Turley, H., Steers, G., Parker, A., Low, I., Blades, J., Li, J.-L., Allen, P., Leek, R., Noguera-Troise, I., Gatter, K.C., Thurston, G. and Harris, A.L.	Am. J. Pathol.	176; (2010)			01/04/2011	2019-28
13		Large meta-analysis of multiple cancers reveals a common, compact and highly prognostic hypoxia metagene.	Buffa, F.M., Harris, A.L., West, C.M. and Miller, C.J.	Br J Cancer	102; (2010)			01/04/2011	428-35.
14		Biomarkers to predict the clinical efficacy of bevacizumab in cancer.	Jubb, A.M. and Harris, A.L.	Lancet Oncol.	11; (2010)			01/04/2011	1172-83
15		Assessing hypoxia in animal tumor models based on pharmacokinetic analysis of dynamic FAZA-PET.	Busk, M., Munk, O.L., Jakobsen, S., Wang, T., Skals, M., Steiniche, T., Horsman, M.R. and Overgaard, J.	Acta Oncologica	49; (2010)			01/04/2011	922-933

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
16	<a href="#">10.1186/1471-2407-11-63</a>	In vivo identification and specificity assessment of mRNA markers of hypoxia in human and mouse tumors.	Busk, M., Toustrup, K., Soerensen, B.S., Alsner, J., Horsman, M.R. Jakobsen, S. and Overgaard, J.	BMC Cancer	Vol.11/Article 63	BioMed Central		09/02/2011	1-9
17		Development of a hypoxia gene expression classifier with predictive impact for hypoxic modification of radiotherapy in head and neck cancer	Toustrup, K., Soerensen, B.S., Nordmark, M., Busk, M., Wiuf, C., Alsner, J. And Overgaard, J.	Cancer Res.	2011 Sep 1;71 (17). Epub 2011 Aug 16		Submitted	16/08/2011	5923-5931
18		The hypoxia-selective cytotoxin NLCQ-1 (NSC 709257) controls metastatic disease when used as an adjuvant to radiotherapy.	Lunt, S.J., Cawthorne, C., Ali, M., Telfer, B.A., Babur, M., Smigova, A., Julyan, P.J., Price, P.M., Stratford, I.J., Bloomer, W.D., Papadopoulou, M.V. and Williams, K.J.	Br J Cancer	103; (2010)			01/04/2011	201-208
19		Expression of hypoxia inducible factor 1α in thyroid carcinomas.	Burrows, N., Resch, J., Cowen, R.L., von Wasielewski, R., Hoang-Vu, C., West, C., Williams, K.J. and Brabant, G.	Endocrine-Related Cancer	17; (2010)			01/04/2011	61-72
20		Carbonic anhydrase inhibitors. Inhibition of the β-class enzymes from the fungal pathogens <i>Candida albicans</i> and <i>Cryptococcus neoformans</i> with branched aliphatic/aromatic carboxylates and their derivatives.	Carta, F., Innocenti, A., Hall, R.A., Mühlischlegel, F.A., Scozzafava, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	2011 Apr 15;21 (8)		Epub 2011 Feb 17.	17/02/2011	2521-6
21		Kinetic and docking studies of phenol-based inhibitors of carbonic anhydrase isoforms I, II, IX and XII evidence a new binding mode within the enzyme active site.	Durdagi, S., Şentürk, M., Ekinci, D., Balaydin, H.T., Göksu, S., Küfrevioğlu, O.I., Innocenti, A., Scozzafava, A. and Supuran, C.T.	Bioorg. Med. Chem.	2011 Feb 15;19 (4)		Epub 2011 Jan 14	14/01/2011	1381-1389
22		Inhibition of beta-carbonic anhydriases with ureido-substituted benzenesulfonamides.	Pacchiano, F., Carta, F., Vullo, D., Scozzafava, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	21; (2011)			01/04/2011	102-105
23		Carbonic anhydrase inhibitors	Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	3467-3474
24		Selective hydrophobic pocket binding observed within the carbonic anhydrase II active site accommodate different 4-substituted-ureido-benzenesulfonamides and correlate to inhibitor potency.	Pacchiano, F., Aggarwal, M., Avvaru, B.S., Robbins, A.H., Scozzafava, A., R McKenna, R. and Supuran, C.T.	Chem. Comm.	46; (2010)			01/04/2011	8371-8373
25		Paraoxon, 4-nitrophenyl phosphate and acetate are substrates of alpha- but not of beta-, - and -carbonic anhydriases	Innocenti, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	6208-6212.
26		Carbonic anhydrase inhibitors. Inhibition of transmembrane isoforms IX, XII and XIV with less investigated inorganic anions.	Innocenti, A., Scozzafava, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	1548-1550
27		Coumarins incorporating hydroxy- and chloro- moieties selectively inhibit the transmembrane, tumor-associated carbonic anhydrase isoforms IX and XII over the cytosolic ones I and II.	Maresca, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	4511-4514
28		Carbonic anhydrase inhibitors. Inhibition of mammalian isoforms I – XIV with a series of natural product polyphenols and phenolic acids.	Innocenti, A., Sankaya, S.B.Ö., Gülçin, I. and Supuran, C.T.	Bioorg. Med. Chem.	18; (2010)			01/04/2011	2159-2164
29		NO-releasing esters show carbonic anhydrase inhibitory action against human isoforms I and II.	Ekinci, D., Çavdar, H., Talaz, O., Şentürk, M. and Supuran, C.T.	Bioorg. Med. Chem.	18; (2010)			01/04/2011	3559-3563
30		Carbonic anhydrase inhibitors. The X-Ray crystal structure of human isoform II in adduct with an adamantyl analogue of acetazolamide resides in a new hydrophobic binding pocket.	Avvaru, B.S., Wagner, J.M., Maresca, A., Scozzafava, A., Robbins, A.H., Supuran, C.T. and McKenna, R.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	4376-4381

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
31		Carbonic anhydrase inhibitors. Regioselective synthesis of novel 1-substituted 1,4-dihydro-4-oxo-3-pyridinesulfonamides and their inhibition of the human cytosolic isozymes I and II and transmembrane cancer-associated isozymes IX, XII.	Brzozowski, Z., Sławiński, J., Innocenti, A. and Supuran, C.T.	Eur. J. Med. Chem.	45; (2010)			01/04/2011	3656-3661
32		Coumarinyl-substituted sulfonamides strongly inhibit several human carbonic anhydrase isoforms: solution and crystallographic investigations.	Wagner, J., Avvaru, B.S., Robbins, A.H., Scozzafava, A., Supuran, C.T. and McKenna, R.	Bioorg. Med. Chem.	18; (2010)			01/04/2011	4873-4878
33		7,8-Disubstituted- but not 6,7-disubstituted coumarins selectively inhibit the transmembrane, tumor-associated carbonic anhydrase isoforms IX and XII over the cytosolic ones I and II in the low nanomolar/subnanomolar range.	Maresca, A., Scozzafava, A. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	7255-7258
34		Carbonic anhydrase inhibitors. X-ray crystallographic and solution binding studies for the interaction of a boron containing aromatic sulfamide with mammalian isoforms I-XV.	Di Fiore, A., Monti, S.M., Innocenti, A., Winum, J.-Y., de Simone G. and Supuran, C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	3601-3605
35		Design, solid-phase synthesis and biological evaluation of novel 1,2-diarylpyrrole-3-carboxamides as carbonic anhydrase IX inhibitors.	Gluszk, S., Frédérick, R., Supuran, C.T., Vullo, D., Scozzafava, A., Masereel, B., Depreux, P. and Goossens, L.	Bioorg. Med. Chem.	18; (2010)			01/04/2011	7392-7401
36		New Hydroxypyrimidinone-containing Sulfonamides as Carbonic Anhydrase Inhibitors also acting as MMP inhibitors.	Esteves, M.A., Ortet, O., Capelo, A., Supuran, C.T., Marques, S.M., and Santos, M.A.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	3623-3627
37		Affinity of sulfamates and sulfamides to Carbonic Anhydrase II isoform: experimental and molecular modeling approaches.	Gavernet, L., Ramale, J.L., Bruno Blanch, L., Estiu, G., Maresca, A. and Supuran, C.T.	J. Chem. Inform. Model	20; (2010)			01/04/2011	1113-1122
38		Pteridine-Sulfonamide Conjugates as Dual Inhibitors of Carbonic Anhydrases and Dihydrofolate Reductase with Potential Antitumor Activity.	Marques, S.M., Enyedy, E.A., Supuran, C.T., Krupenko, N.I., Krupenko, S.A. and Santos, M.A.	Bioorg. Med. Chem.	(2010)			01/04/2011	5081-5089
39		Nanoscale enzyme inhibitors: Fullerenes inhibit carbonic anhydrase by occluding the active site entrance.	Innocenti, A., Durdagi, S., Doostdar, N., Strom, T.A., Barron, A.R. and Supuran, C.T.	Bioorg. Med. Chem.	28; (2010)			01/04/2011	2822-2828
40		Carbonic anhydrase inhibitors. Antioxidant polyphenols effectively inhibit mammalian isoforms I-XV.	Innocenti, A., Gülçin, I., Scozzafava, A. and Supuran C.T.	Bioorg. Med. Chem. Lett.	20; (2010)			01/04/2011	5050-5053
41		Carbonic anhydrase inhibition/activation: trip of a scientist around the world in the search of novel chemotypes and drug targets.	Supuran, C.T.	Curr. Pharm. Des.	16; (2010)			01/04/2011	3233-3245
42		Recent advances in structural studies of the carbonic anhydrase family: The crystal structure of human CA IX and CA XIII.	Supuran, C.T., Di Fiore, A., Alterio, V., Monti, S.M. and De Simone, G.	Curr. Pharm. Des.	16; (2010)			01/04/2011	3246-3254.
43		Carbonic anhydrase inhibitors developed through 'click tailing'.	Lopez, M., Salmon, A.J., Supuran, C.T. and Poulsen, S.-A.	Curr. Pharm. Des.	16; (2010)			01/04/2011	3277-3287
44		Polyamines inhibit carbonic anhydrases by anchoring to the zinc-coordinated water molecule.	Carta, F., Temperini, C., Innocenti, A., Scozzafava, A., Kaila, K. and Supuran, C.T.	J. Med.Chem.	53; (2010)			01/04/2011	5511-5522
45		Bidentate Zinc Chelators for $\alpha$ -Carbonic Anhydrases that Produce a Trigonal Bipyramidal Coordination Geometry.	Schulze Wischeler, J., Innocenti, A., Vullo, D., Agrawal, A., Cohen, S.M., Heine, A., Supuran, C.T. and Klebe, G.	ChemMedChem	5; (2010)			01/04/2011	1609-1615

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
46		Synthesis and biological evaluation of a <sup>99m</sup> Tc-labelled sulfonamide conjugate for in vivo visualization of carbonic anhydrase IX expression in tumor hypoxia.	Akurathi, V., Dubois, L., Lieuwes, N.G., Chitneni, S.K., Cleynhens, B.J., Vullo, D., Supuran, C.T., Verbruggen, A.M., Lambin, P. and Bormans, G.M.	Nuclear Med. Biol.	37; (2010)			01/04/2011	557-564.
47		Identification of i potent and selective human carbonic anhydrase VII (hCA II) inhibitors.	R. Gitto, S. Agnello, S. Ferro, D. Vullo, C.T. Supuran, A. Chimirri.	ChemMedChem	5; (2010)			01/04/2011	823-826
48		Sulfonamide linked neoglycoconjugates – a new class of inhibitors for cancer-associated carbonic anhydrases.	Lopez, M., Bornaghi, L.F., Innocenti, A., Vullo, D., Supuran, C.T. and Poulsen, S.-A.	J. Med. Chem.	53; (2010)			01/04/2011	2913-2926
49		Identification of 3,4-Dihydroisoquinoline-2(1H)-sulfonamides as Potent Carbonic Anhydrase Inhibitors: Synthesis, Biological Evaluation and Enzyme-ligand X-ray studies.	Gitto, R., Agnello, S., Ferro, S., Vullo, D., Brynda, J., Mader, P., Supuran, C.T. and Chimirri, A.	J. Med. Chem.	53; (2010)			01/04/2011	2401-2408
50		Antiangiogenic agents significantly improve survival in tumor-bearing mice by increasing tolerance to chemotherapy-induced toxicity.	Zhang, D., Hedlund, E.M., Lim, S., Chen, F., Zhang, Y., Sun, B., and Cao, Y.	Proc. Natl. Acad. Sci. USA.	108; (2011)		Epub 2011	18/02/2011	4117-22
51		Hypoxia-induced metastasis model in embryonic zebrafish.	Rouhi, P., Jensen, L.D., Cao, Z., Hosaka, K., Länne, T., Wahlberg, E., Steffensen, J.F. and Cao Y.	Nat Protoc.	5; (2010)		Epub 2010	05/11/2010	1911-8
52		Off-tumor target--beneficial site for antiangiogenic cancer therapy?	Cao, Y.	Nat. Rev. Clin. Oncol.	7; (2010)		Epub 2010	03/08/2010	604-8
53		Cancer-associated retinopathy: a new mechanistic insight on vascular remodeling.	Cao, R. and Cao, Y.	Cell Cycle	2010 May 15;9 (10)		Epub 2010	15/05/2010	1882-5
54		Adipose angiogenesis: quantitative methods to study microvessel growth, regression and remodeling in vivo.	Xue, Y., Lim, S., Bråkenhielm, E. and Cao Y.	Nat Protoc.	5; (2010)		Epub 2010	22/04/2010	912-20
55		Therapeutic angiogenesis for ischemic disorders: what is missing for clinical benefits?	Cao, Y.	Discov. Med.	9; (2010)			01/04/2011	179-84
56		Angiogenesis: What can it offer for future medicine?	Cao, Y.	Exp Cell Res.	316; (2010)		Epub 2010	03/03/2010	1304-8
57		Pathological angiogenesis facilitates tumor cell dissemination and metastasis.	Rouhi, P., Lee, S.L., Cao, Z., Hedlund, E.M., Jensen, L.D. and Cao, Y.	Cell Cycle.	9; (2010)		Epub 2010	06/03/2010	913-7.
58		Adipose tissue angiogenesis as a therapeutic target for obesity and metabolic diseases.	Cao, Y.	Nat Rev Drug Discov.	9; (2010)			01/04/2011	107-15
59		Genome-wide identification of hypoxia-inducible factor binding sites and target genes by a probabilistic model integrating transcription-profiling data and in silico binding site prediction.	Ortiz-Barahona, A., Villar, D., Pescador, N., Amigo, J. and del Peso, L.	Nucleic Acids Res.	38; (2010)		Epub 2010	08/01/2010	2332-45
60		Tissue inhibitor of metalloproteinases-1-induced scattered liver metastasis is mediated by hypoxia-inducible factor-1aCln	Schelter, F., Halbgewachs, B., Bäumler, P., Neu, C., Görlach, A., Schröitzlmair, F. and Krüger, A.	Exp Metastasis.	28; (2011)			01/04/2011	91-99.

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages	
61			Diebold, I., Petry, A., Hess, J. and Görlach, A.	The NADPH oxidase subunit NOX4 is a new target gene of the hypoxia-inducible factor-1.	Mol. Biol. Cell	15; (2010)		01/04/2011	2087-96	Yes
62			Diebold, I., Petry, A., Djordjevic, T., BelAiba, R.S., Fineman, J., Black, S., Schreiber, C., Fratz, S., Hess, J., Kietzmann, T. and Görlach, A.	Reciprocal regulation of Rac1 and PAK-1 by HIF-1α: A positive feed back loop promoting pulmonary vascular remodeling	Antioxid Redox Signal	13; (2010)		01/04/2011	399-412.	Yes
63		Identification of a survival-independent metastasis-enhancing role of hypoxia-inducible factor-1α with a hypoxia-tolerant tumor cell line.	Su, Y., Loos, M., Giese, N., Hines, O.J., Diebold, I., Görlach, A., Metzen, E., Pastorekova, S., Friess, H. and Büchler, P.	J Biol Chem.	2010 Aug 20; 285(34)	Epub 2010		21/06/2010	26182-9	Yes
64	<a href="https://doi.org/10.1016/j.qde.2010.10.006">10.1016/j.qde.2010.10.006</a>	Hypoxia and Energetic Tumour Metabolism	Brahimi-Horn, M.C. and Pouyssegur, J.	Curr Opin Genet Dev.	21; (2011)	Epub 2010 Nov 11		11/11/2010	67-72	Yes
65	<a href="https://doi.org/10.1038/cdd.2010.119">10.1038/cdd.2010.119</a>	miR-210 is overexpressed in late stages of lung cancer and mediates mitochondrial alterations associated with modulation of HIF-1 activity.	Puisségur, M.P., Mazure, N.M., Bertero, T., Pradelli, L., Grosso, S., Robbe-Sermesant, K., Maurin, T., Lebrigand, K., Cardinaud, B., Hofman, V., Fourre, S., Magnone, V., Ricci, J.E., Pouyssegur, J., Gounon, P., Hofman, P., Barbry, P. and Mari, B.	Cell Death Differ.	18; (2011)	Epub 2010		01/10/2010	465-78	Yes
66		pH control mechanisms of tumor survival and growth.	Parks, S., Chiche, J. and Pouyssegur, J.	J Cell Physiol.	2011 Feb; 226 (2)	Epub 2010 Nov 11		11/11/2010	299-308	Yes
67	<a href="https://doi.org/10.1016/j.ceb.2009.11.015">10.1016/j.ceb.2009.11.015</a>	Hypoxia-induced autophagy: cell death or cell survival?	Mazure, N.M., Pouyssegur, J.	Curr Opin Cell Biol.	2010 Apr;22(2)	Epub 2009 Dec 21		21/12/2009	177-180	Yes
68	<a href="https://doi.org/10.1016/j.advenzreg.2009.10.005">10.1016/j.advenzreg.2009.10.005</a>	Membrane-bound carbonic anhydrases are key pH regulators controlling tumor growth and cell migration.	Chiche, J., Ilc, K., Brahimi-Horn, M.C. and Pouyssegur, J.	Adv Enzyme Regul.	2010;50(1)	Epub 2009 Nov 4		04/11/2009	20-33	Yes
69	<a href="https://doi.org/10.1038/sj.bjc.6605690">10.1038/sj.bjc.6605690</a>	High levels of carbonic anhydrase IX in tumour tissue and plasma are biomarkers of poor prognostic in patients with non-small cell lung cancer.	Ilie, M., Mazure, N.M., Hofman, V., Ammadi, R.E., Ortholan, C., Bonnetaud, C., Havet, K., Venissac, N., Mograbi, B., Mouroux, J., Pouyssegur, J. and Hofman, P.	Br J Cancer.	102(11); (2010)	Epub 2010 May11		11/05/2010	1627-35	Yes
70	<a href="https://doi.org/10.1002/icp.21984">10.1002/icp.21984</a>	Hypoxic enlarged mitochondria protect cancer cells from apoptotic stimuli.	Chiche, J., Rouleau, M., Gounon, P., Brahimi-Horn, M.C., Pouyssegur, J. and Mazure, N.M.	J Cell Physiol.	2010 Mar;222(3)	Epub 2009 Dec 2		02/12/2009	648-57	Yes
71		Monitoring of Peri-Cellular Oxygen Levels in Tumor Cell Cultures by Amperometric Oxygen Sensor Array.	Kieninger, J. Sandvik, J.A., Pettersen, E.O., Jobst, G., Aravindalochanan, K. and Urban, G.A.	IEEE SENSORS 2010, Waikoloa, HI, USA,	2010			01/04/2011	?	Yes
72		Neural Stem Cells: From Cell Fate and Metabolic Monitoring Toward Clinical Applications.	Pruszk, J., Döbrösy, M., Kieninger, J., Aravindalochanan, K., Urban, G.A. and Nikkhah, G.	Stem Cell Engineering. Springer-Verlag (G. M. Artmann, S. Minger, J. Hescheler (Editors)).	2011	Berlin Heidelberg		01/04/2011	?	Yes
73		Identification of a survival-independent metastasis-enhancing role of hypoxia-inducible factor-1α with a hypoxia-tolerant tumor cell line.	Su, Y., Loos, M., Giese, N., Hines, O.J., Diebold, I., Görlach, A., Metzen, E., Pastorekova, S., Friess, H. and Büchler, P.	J. Biol. Chem.	2010 Aug 20; 285 (34)	Epub 2010		21/06/2010	26182-9	Yes
74		Molelular mechanisms regulating expression and function of cancer-associated carbonic anhydrase IX.	Pastorek, J. and Pastorekova, S.	The tumor microenvironment (Ed. Begley, RG)	2010, pp-749	Humana Press		01/04/2011	59-90	Yes
75		Carbonic anhydrase IX as an anticancer therapy target: preclinical evaluation of internalizing monoclonal antibody directed to catalytic domain.	Zatovicova, M., Jelenska, L., Hulikova, A., Ditte, Z., Ditte, P., Golasova, T., Pastorek, J. and Pastorekova, S.	Current Pharmaceutical Design	2010, vol., no., p., (4.414 - IF2009). (2010 - Current Contents).			01/04/2011	?	Yes



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages	
76		The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5	Rouschop, K.M., van den Beucken, T., Dubois, L., Niessen, H., Bussink, J., Savelkoul, K., Keulers, T., Mujic, H., Landuyt, W., Voncken, J.W., Lambin, P., van der Kogel, A.J., Koritzinsky, M. and Wouters BG.	J. Clin. Invest.	120; (2010)			01/04/2011	127–141	Yes
77	<a href="https://doi.org/10.1073/pnas.1102526108">10.1073/pnas.1102526108</a>	Preclinical evaluation and validation of [18F]HX4,a promising hypoxia marker for PET imaging	Ludwig J. Dubois, Natasja G. Lieuwes, Marco H. M. Janssen, Wenny J. M. Peeters, Albert D. Windhorst,Joseph C. Walsh, Hartmuth C. Kolb, Michel C. Öllers, Johan Bussink, Guus A. M. S. van Dongen,Albert van der Kogel, and Philippe Lambin	Proceedings of the National Academy of Sciences USA	2011 Vol108(35)			30/08/2011	14620-14625	Yes
78	<a href="https://doi.org/10.1016/j.radonc.2011.05.045">10.1016/j.radonc.2011.05.045</a>	Specific inhibition of carbonic anhydrase IX activity enhances the in vivo therapeutic effect of tumor irradiation	Ludwig Dubois, Sarah Peeters, Natasja G. Lieuwes, Nele Geusens, Anne Thiry, Simon Wigfield,Fabrizio Carta, Alan McIntyre, Andrea Scozzafava, Jean-Michel Dogné, Claudiu T. Supuran,Adrian L. Harris, Bernard Masereel, Philippe Lambin	Radiotherapy and Oncology	2011 Vol 99	Elsevier		14/06/2011	424-431	Yes
79	<a href="https://doi.org/10.1016/j.radonc.2011.05.063">10.1016/j.radonc.2011.05.063</a>	miR-210 as a marker of chronic hypoxia, but not a therapeutic targetin prostate cancer	Laurent Quero, Ludwig Dubois, Natasja G. Lieuwes, Christophe Hennequin, Philippe Lambin	Radiotherapy and Oncology	2011 Oct;101(1):203-8	Elsevier		23/06/2011	Epub ahead of print	Yes
80		Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction	Kasper M.A. Rouschop, Ludwig Dubois, Marco B.E. Schaaf, Twan van den Beucken, Natasja Lieuwes, Tom G.H. Keulers, Kim G.M. Savelkoul, Johan Bussink, Albert J. van der Kogel, Marianne Koritzinsky, Bradley G. Wouters	Radiotherapy and Oncology	2011 vol 99	Elsevier		12/06/2011	385-391	Yes
81		The clinically active PARP inhibitor AG014699 ameliorates cardiotoxicity but doesn't enhance the efficacy of doxorubicin, despite improving tumour perfusion and radiation response in mice	Majid Ali, Marzieh Kamjoo, Huw D Thomas, Suzanne Kyle, Ivanda Pavlovskaya, Muhammed Babur, Brian A Telfer, Nicola J Curtin and Kaye J Williams	Molecular Cancer Therapeutics	2011 Dec;10(12)		Epub 2011 Sep 16	16/09/2011	2320-2329	Yes
82		GDC-0941 inhibits metastatic characteristics of thyroid-carcinomas by targeting both the phosphoinositide-3 Kinase (PI3K) and Hypoxia inducible Factor-1 alpha pathways	Burrows N, Babur M, Resch J, Ridsdale S, Mejin M, Rowling EJ, Brabant G, Williams KJ.	J Clin Endocrinol Metab.	2011 Dec;96(12)		Epub 2011 Oct 12	12/10/2011	E1934-43	Yes
83	<a href="https://doi.org/10.4061/2011/762905">10.4061/2011/762905</a>	Hypoxia-inducible factor (HIF) in thyroid carcinoma	Burrows N, Babur M, Resch J, Williams KJ, Brabant G.et al	J Thyroid Res.	2011;762905			16/06/2011	-	Yes
84		Delta-Like Ligand 4-Notch Blockade and Tumor Radiation Response	Liu, S. K., Bham, S. A., Fokas, E., Beech, J., Im, J., Cho, S., Harris, A. L., Muschel, R.	J. Natl Cancer Inst	103; (2011). Epub 2011 Oct 18.	J Natl Cancer Inst	USA	18/10/2011	1778-1798	Yes
85	<a href="https://doi.org/10.1186/qm271">10.1186/qm271</a>	Gene expression and hypoxia in breast cancer	Favaro, E., Lord, S., Harris, A. L., Buffa, F. M.	Genome Medicine	Vol 3 Issue 8	PubMed Central	USA	26/08/2011	55-67	Yes

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
86	<a href="#">10.1158/0008-5472.CAN-11-0489</a>	microRNA-Associated Progression Pathways and Potential Therapeutic Targets Identified by Integrated mRNA and microRNA Expression Profiling in Breast Cancer	Buffa, F. M., Camps, C., Winchester, L., Snell, C. E., Gee, H. E., Sheldon, H., Taylor, M., Harris, A. L., Ragoussis, J.	Cancer Research	Vol 71 Issue 17	AACR	USA	07/07/2011	5635-564
87		Hypoxic activation of the unfolded protein response (UPR) induces expression of the metastasis-associated gene LAMP3	Mujcic, H., Rzymiski, T., Rouschop, K. M., Koritzinsky, M., Milani, M., Harris, A. L., Wouters, B. G.	Radiother Oncol	Vol 92 issue 3	Elsevier	USA	01/09/2009	450-459
88		Expression of delta-like ligand 4 (Dll4) and markers of hypoxia in colon cancer	Jubb, A. M., Turley, H., Moeller, H. C., Steers, G., Han, C., Li, J. L., Leek, R., Tan, E. Y., Singh, B., Mortensen, N. J., Noguera-Troise, I., Pezzella, F., Gatter, K. C., Thurston, G., Fox, S. B., Harris, A. L.	British Journal of Cancer	Vol 101 Issue 10	Nature Publishing Group	UK	20/10/2011	1749-175
89		Distinct MicroRNA Alterations Characterize High- and Low-Grade Bladder Cancer	Catto, J. W., Miah, S., Owen, H. C., Bryant, H., Myers, K., Dudzic, E., Larre, S., Milo, M., Rehman, I., Rosario, D. J., Di Martino, E., Knowles, M. A., Meuth, M., Harris, A. L., Hamdy, F. C.	Cancer Research	Vol 69 Issue 21	AACR	USA	20/10/2011	8472-848
90		Accelerated Radiotherapy With Carbogen and Nicotinamide for Laryngeal Cancer: Results of a Phase III Randomized Trial	G. O. Janssens, S. E. Rademakers, C. H. Terhaard, P. A. Doornaert, H. P. Bijl, P. van den Ende, A. Chin, H. A. Marres, R. de Bree, A. J. van der Kogel, I. J. Hoogsteen, J. Bussink, P. N. Span, J. H. Kaanders	Journal of Clinical Oncology	Vol. 30/Issue 15	American Society of Clinical Oncology	United States	20/05/2012	1777-178
91	<a href="#">10.1007/s13402-010-0008-2</a>	Parametric mapping of immunohistochemically stained tissue sections: a method to quantify the colocalization of tumor markers	Rademakers SE, Rijken PF, Peeters WJ, Nijkamp MM, Barber PR, van der Laak J, van de Kogel AJ, Bussink J, Kaanders JH.	Cell Oncol (Dordr).	2011 Apr;34(2)		Epub 2011 Feb 8	08/02/2011	119-129
92	<a href="#">10.1016/j.ejca.2009.07.012</a>	Hypoxia in larynx carcinomas assessed by pimonidazole binding and the value of CA-IX and vascularity as surrogate markers of hypoxia.	Hoogsteen IJ, Lok J, Marres HA, Takes RP, Rijken PF, van der Kogel AJ, Kaanders JH.	Eur J Cancer	2009 Nov;45(16)		Epub 2009 Aug 19	19/08/2009	2906-291
93	<a href="#">10.1016/j.radonc.2011.06.034</a>	Assessing radiation response using hypoxia PET imaging and oxygen sensitive electrodes: a preclinical study	Mortensen LS, Busk M, Nordsmark M, Jakobsen S, Theil J, Overgaard J, Horsman MR	Radiother. Oncol.	99; (2011)			01/07/2011	418-423
94	<a href="#">10.1016/j.radonc.2011.05.053</a>	Inhibition of tumor lactate oxidation: consequences for the tumor microenvironment	Busk M, Walenta S, Mueller-Klieser W, Steiniche T, Jakobsen S, Horsman MR, Overgaard J	Radiother. Oncol.	2011, 99(3)			01/07/2012	404-411
95	<a href="#">10.1016/j.radonc.2011.09.010</a>	Gene expression classifier predicts for hypoxic modification of radiotherapy with nimorazole in squamous cell carcinomas of the head and neck	Toustrup K	Radiother. Oncol.	102			14/01/2012	122-129
96		METOXIA: Tumour micro-environment for new specific cancer treatment	Petterson EO	Public Service Review: European Union	Issue 23			28/03/2012	222-223
97	<a href="#">10.3109/09553002.2012.646046</a>	Low dose hyper-radiosensitivity is eliminated during exposure to cycling hypoxia but returns after reoxygenation	Edin NJ, Olsen DR, Sandvik JA, Malinen E, Petterson EO	International Journal of Radiation Biology	2012 Apr; 88 (4) / PMID: 22132723, Epub 2012 Jan 6 ahead of print	Informa Healthcare		01/04/2012	311-319
98	<a href="#">10.1016/j.ejca.2011.11.036</a>	Radiomics: Extracting more information from medical images using advanced feature analysis	Lambin P, Rios-Velazquez E, Leijenaar R, Carvalho S, van Stiphout RG, Granton P, Zegers CM, Gillies R, Boellard R, Dekker A, Aerts HJ.	Eur J Cancer	2012 Mar;48(4)		Epub 2012 Jan 16	16/01/2012	441-6
99	<a href="#">10.1117/1.3625288</a>	Video-rate fluorescence lifetime imaging camera with CMOS single-photon avalanche diode arrays and high-speed imaging algorithm	Li DDU, Arlt J, Tyndall D, Walker R, Richardson J, Stoppa D	J. Biomedical Optics	16; (2011 Sept) 096012			15/09/2011	

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
100		A 100Mphoton/s time-resolved mini-silicon photomultiplier with on-chip fluorescence lifetime estimation in 0.13µm CMOS imaging technology	Tyndall D, Rae D, Li DDU, Richardson J, Arlt J, Henderson R	IEEE International Solid-State Circuits Conference	19-23 Feb. 2012			20/02/2012	20-22
101	<a href="#">10.1111/i.1365-2559.2011.04138.x</a>	Expression of vascular Notch ligands Delta-like 4 and Jagged-1 in glioblastoma	Jubb AM, Browning L, Campo L, Turley H, Steers G, Thurston G, Harris AL, Ansorge O	Histopathology	Vol 60, Issue 5, April 2012 / Feb 1, (2012) [Epub ahead of print]			01/02/2012	740-747
102	<a href="#">10.1158/1078-0432.CCR-10-1704</a>	Close and stable relationship between proliferation and a hypoxia metagene in aromatase inhibitor-treated ER-positive breast cancer	Ghazoui Z, Buffa FM, Dunbier AK, Anderson H, Dexter T, Detre S, Salter J, Smith IE, Harris AL, Dowsett M	Clin. Cancer Res.	17; (2011). Epub 2011 Feb 15.			15/02/2011	3005-3012
103	<a href="#">10.1038/nrd3554</a>	Interfering with pH regulation in tumours as a therapeutic strategy	Neri, D., Supuran, C.T.	Nature Rev. Drug Discov.	10; (2011) 10, (October 2011)		Published online 16 September 2011	16/09/2011	767-777
104	<a href="#">10.1021/im300031j</a>	Dithiocarbamates strongly inhibit carbonic anhydrases and show antiglaucoma action in vivo	Carta F, Aggarwal M, Maresca A, Scozzafava A, McKenna R, Masini E, Supuran CT	J Med Chem.	2012, 55 (4)		Epub ahead of print	26/01/2012	1721-1730
105	<a href="#">10.1021/im200209n</a>	Anticonvulsant 4-aminobenzenesulfonamide derivatives with branched-alkylamide moieties: X-ray crystallography and inhibition studies of human carbonic anhydrase isoforms I, II, VII, and XIV	Hen N, Bialer M, Yagen B, Maresca A, Aggarwal M, Robbins AH, McKenna R, Scozzafava A, Supuran CT	J. Med. Chem.	2011, 54 (11)			20/04/2011	3977-3981
106	<a href="#">10.1021/im2000213</a>	Structural basis for the interaction between carbonic anhydrase and 1,2,3,4-tetrahydroisoquinolin-2-ylsulfonamides	Mader P, Brynda J, Gitto R, Agnello S, Pachi P, Supuran CT, Chimirri A, Řezáčová P	J. Med. Chem.	2011, 54 (7)			11/03/2011	2522-2526
107	<a href="#">10.1021/im1013242</a>	Natural product-based phenols as novel probes for mycobacterial and fungal carbonic anhydrases	Davis RA, Hofmann A, Osman A, Hall RA, Mühlischlegel FA, Vullo D, Innocenti A, Supuran CT, Poulsen SA	J. Med. Chem.	2011, 54 (6)			18/02/2011	1682-1692
108	<a href="#">10.1021/im101525j</a>	Design, synthesis, and biological evaluation of novel carbohydrate-based sulfamates as carbonic anhydrase inhibitors	Lopez M, Trajkovic J, Bornaghi LF, Innocenti A, Vullo D, Supuran CT, Poulsen SA	J. Med. Chem.	2011, 54 (5)		Epub 2011 Feb 11	11/02/2011	1481-1489
109	<a href="#">10.1021/im101284a</a>	Carbonic anhydrase activators: gold nanoparticles coated with derivatized histamine, histidine, and carnosine show enhanced activatory effects on several mammalian isoforms	Saada MC, Montero JL, Vullo D, Scozzafava A, Winum JY, Supuran CT	J. Med. Chem.	2011, 54 (5)			03/02/2011	1170-1177
110	<a href="#">10.1039/C2CC16395K</a>	Dithiocarbamates: a new class of carbonic anhydrase inhibitors. Crystallographic and kinetic investigations	Carta F, Aggarwal M, Maresca A, Scozzafava A, McKenna R, Supuran CT	Chem. Commun. (Camb).	48; (2012)			14/12/2011	1868-1870
111	<a href="#">10.1021/ja207855c</a>	Promiscuity of carbonic anhydrase II. Unexpected ester hydrolysis of carbohydrate-based sulfamate inhibitors	Lopez M, Vu H, Wang CK, Wolf MG, Groenhof G, Innocenti A, Supuran CT, Poulsen SA	J. Am. Chem.	2011, 133 (45)			29/09/2011	18452-1846
112	<a href="#">10.1016/j.bmcl.2011.06.031</a>	N-β-glycosyl sulfamides are selective inhibitors of the cancer associated carbonic anhydrase isoforms IX and XII	Rodríguez, OM, Maresca, A, Témpera, CA, Bravo, RD, Colinas, PA, Supuran CT	Bioorg. Med. Chem. Lett.	2011, 21 (15)			16/06/2011	4447-4450
113	<a href="#">v10.1016/i.bmc.2012.01.007</a>	Cloning, characterization and sulfonamide inhibition studies of an -carbonic anhydrase from the living fossil sponge <i>Astrosclera willeyana</i>	Ohradanova, A, Vullo D, Pastorekova S, Pastorek J, Jackson DJ Wörheide G Supuran CT	Bioorg. Med. Chem.	20; (2012)			12/01/2012	1403-1410
114	<a href="#">10.1016/j.bmcl.2011.12.085</a>	Anion inhibition studies of an -carbonic anhydrase from the living fossil <i>Astrosclera willeyana</i>	Ohradanova, A, Vullo D, Pastorekova S, Pastorek J, Jackson DJ Wörheide G Supuran CT	Bioorg. Med. Chem. Lett.	2012 Feb 1;22 (3)		Epub 2011 Dec 23	23/12/2011	1314-1316



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
115	<a href="https://doi.org/10.1016/j.bmcl.2011.07.090">10.1016/j.bmcl.2011.07.090</a>	Phenylethynylbenzenesulfonamide regioisomers strongly and selectively inhibit the transmembrane, tumor-associated carbonic anhydrase isoforms IX and XII over the cytosolic isoforms I and II	Knaus EE, Innocenti A, Scozzafava A, Supuran CT	Bioorg. Med. Chem. Lett.	2011 Oct 1; 21 (19)			30/07/2011	5892-5896
116	<a href="https://doi.org/10.1016/j.bmcl.2011.07.045">10.1016/j.bmcl.2011.07.045</a>	Synthesis of rhodamine B – benzenesulfonamide conjugates and their inhibitory activity against human – and bacterial/fungal –carbonic anhydrases	Rami M, Innocenti A, Montero JL, Scozzafava A, Winum JY, Supuran CT	Bioorg. Med. Chem. Lett.	2011 Sep 15;21 (18)		Epub 2011	21/07/2011	5210-5213
117	<a href="https://doi.org/10.1016/j.bmcl.2011.08.066">10.1016/j.bmcl.2011.08.066</a>	Synthesis of glycoconjugate carbonic anhydrase inhibitors by ruthenium-catalysed azide-alkyne 1,3-dipolar cycloaddition	Salmon AJ, Williams ML, Maresca A, Supuran CT, Poulsen SA	Med. Chem. Lett.	2011 Oct 15;21 (20)		Epub 2011 Aug 22	22/08/2011	6058-6061
118	<a href="https://doi.org/10.1016/j.bmc.2011.04.005">10.1016/j.bmc.2011.04.005</a>	Sulfonamides incorporating 1,3,5-triazine moieties selectively and potently inhibit carbonic anhydrase transmembrane isoforms IX, XII and XIV over cytosolic isoforms I and II: solution and X-ray crystallographic studies	Carta F, Garaj V, Maresca A, Wagner J, Avvaru BS, Robbins AH, Scozzafava A, McKenna R, Supuran CT	Bioorg. Med. Chem.	2011 May 15;19 (10)		Epub 2011 Apr 6	06/04/2011	3105-3119
119	<a href="https://doi.org/10.1016/j.bmcl.2011.02.059">10.1016/j.bmcl.2011.02.059</a>	Virtual screening-driven identification of human carbonic anhydrase inhibitors incorporating an original new pharmacophore	Pala N, Dallochio R, Dessì A, Brancale A, Carta F, Ihm S, Maresca A, Sechi M, Supuran CTL	Bioorg. Med. Chem. Lett.	2011 Apr 15;21 (8)		Epub 2011 Feb 17	17/02/2011	2515-2520
120	<a href="https://doi.org/10.1016/j.bmc.2011.02.015">10.1016/j.bmc.2011.02.015</a>	Purification and inhibition studies with anions and sulfonamides of an –carbonic anhydrase from the Antarctic seal <i>Leptonychotes weddellii</i>	Cincinelli A, Martellini T, Innocenti A, Scozzafava A, Supuran CT	Bioorg. Med. Chem.	2011 Mar 15;19 (6)		Epub 2011 Feb 13	13/02/2011	1847-1851
121	<a href="https://doi.org/10.1016/j.bmcl.2011.03.055">10.1016/j.bmcl.2011.03.055</a>	Sulfonamides incorporating boroxazolidone moieties are potent inhibitors of the transmembrane, tumor-associated carbonic anhydrase isoforms IX and XII	Rami M, Maresca A, F-Zhora Smaine, Montero J-L, Scozzafava A, Winum JY, Supuran CT	Bioorg. Med. Chem. Lett.	2011 May 15;21 (10)		Epub 2011 Mar 21	21/03/2011	2975-2979
122	<a href="https://doi.org/10.1016/j.bmcl.2010.11.064">10.1016/j.bmcl.2010.11.064</a>	Inhibition of –carbonic anhydrases with ureido-substituted benzenesulfonamides	Pacchiano F, Carta F, Vullo D, Scozzafava A, Supuran CT	Bioorg. Med. Chem. Lett.	2011 Jan 1;21(1)		Epub 2010 Nov 20	20/11/2010	102-105
123	<a href="https://doi.org/10.1016/j.bmc.2011.10.015">10.1016/j.bmc.2011.10.015</a>	Synthesis and biological profile of new 1,2,3,4-tetrahydroisoquinolines as selective carbonic anhydrase inhibitors	Gitto R, Damiano FM, De Luca L, Ferro S, Vullo D, Supuran CT, Chimirri A	Bioorg. Med. Chem.	2011 Dec 1;19 (23)		Epub 2011 Oct 12	12/10/2011	7003-7007
124	<a href="https://doi.org/10.1016/j.bmcl.2011.01.050">10.1016/j.bmcl.2011.01.050</a>	R)-/(S)-10-Camphorsulfonyl-substituted aromatic/heterocyclic sulfonamides selectively inhibit mitochondrial over cytosolic carbonic anhydrases	Maresca A, Supuran CT	Bioorg. Med. Chem. Lett.	2011 Mar 1;21 (5)		Epub 2011 Jan 18	18/01/2011	1334-1337
125	<a href="https://doi.org/10.1016/j.bmcl.2011.12.134">10.1016/j.bmcl.2011.12.134</a>	Carbonic anhydrase VII is S-glutathionylated without loss of catalytic activity and affinity for sulfonamide inhibitors	Truppo E, Supuran CTY, Sandomenico A, Vullo D, Innocenti A, Di Fiore A, Alterio V, De Simone G, Monti SM	Bioorg. Med. Chem. Lett.	2012 Feb 15;22 (4)		Epub 2012 Jan 5	05/01/2012	1560-1564
126	<a href="https://doi.org/10.1016/j.bmcl.2011.11.018">10.1016/j.bmcl.2011.11.018</a>	5- and 6-Membered (thio)lactones are prodrug type carbonic anhydrase inhibitors	Carta F, Maresca A, Scozzafava A, Supuran CT	Bioorg. Med. Chem. Lett.	2012 Jan 1;22(1)		Epub 2011 Nov 11	11/11/2011	267-270
127	<a href="https://doi.org/10.1016/j.bmcl.2011.12.033">10.1016/j.bmcl.2011.12.033</a>	Dithiocarbamates strongly inhibit the beta-class fungal carbonic anhydrases from <i>Cryptococcus neoformans</i> , <i>Candida albicans</i> and <i>Candida glabrata</i>	Monti SM, Maresca A, Carta F, De Simone G, F.A. Mühlischlegel FA, Scozzafava A, Supuran CT	Bioorg. Med. Chem. Lett.	2012 Jan 15;22 (2)		Epub 2011 Dec 11	11/12/2011	859-862
128	<a href="https://doi.org/10.1016/j.jinorgbio.2011.11.017">10.1016/j.jinorgbio.2011.11.017</a>	(In)organic anions as carbonic anhydrase inhibitors	De Simone G, Supuran CT	J. Inorg. Biochem.	2012		in press	01/12/2011	-
129	<a href="https://doi.org/10.1038/onc.2011.417">10.1038/onc.2011.417</a>	Non-canonical HIF-2α function drives autonomous breast cancer cell growth via an AREG-EGFR/ErB4 autocrine loop	Stiehl, DP, Bordoli, MR, Abreu-Rodriguez, I, Wollenick, K, Schraml, P, Gradin, K, Poellinger, L, Kristiansen, G and Wenger, RH	Oncogene (2012)	2012 May 3;31 (18)		Advance online publication 19 September 2011	19/09/2011	2283-97

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
130	<a href="#">10.1387/ijdb.103236vc</a>	Antiangiogenic cancer therapy: why do mouse and human patients respond in a different way to the same drug?	Cao Y.	Int J Dev Biol.	55 (4-5); (2011)			27/07/2011	557-62
131	<a href="#">10.1126/scitranslmed.3003149</a>	Forty-year journey of angiogenesis translational research	Cao Y, Arbiser J, D'Amato RJ, D'Amore PA, Ingber DE, Kerbel R, Klagsbrun M, Lim S, Moses MA, Zetter B, Dvorak H, Langer R.	Science Transl Med.	2011 Dec 21;3 (114)			21/12/2011	114rv3
132	<a href="#">10.1038/nm.2575</a>	PDGF-BB modulates hematopoiesis and tumor angiogenesis by inducing erythropoietin production in stromal cells	Xue Y, Lim S, Yang Y, Wang Z, Jensen LD, Hedlund EM, Andersson P, Sasahara M, Larsson O, Galter D, Cao R, Hosaka K, Cao Y.	Nature Medicine	2011 Dec 4;18 (1)		Epub 2011 Dec 4	04/12/2011	100-10
133	<a href="#">10.1038/nprot.2012.013</a>	Cold-induced activation of brown adipose tissue and adipose angiogenesis in mice	Lim S, Honek J, Xue Y, Seki T, Cao Z, Andersson P, Yang X, Hosaka K & Cao Y.	Nature Protocols	2012 Mar 1;7(3)		in press	01/03/2012	606-15
134	<a href="#">10.3892/ijo.2011.1074</a>	Non-invasive monitoring of hypoxia-inducible factor activation by optical imaging during antiangiogenic treatment in a xenograft model of ovarian carcinoma	Martinez-Poveda B, Gomez V, Alcaide-German M, Perruca S, Vazquez S, Alba LE, Casanovas O, Garcia-Bermejo ML, Peso L, Jimenez B.	Int J Oncol.	2011 Sep;39(3)		Epub 2011 Jun 9	09/06/2011	543-52
135	<a href="#">10.1093/nar/akr842</a>	A role for insulator elements in the regulation of gene expression response to hypoxia	Tiana M, Villar D, Pérez-Guijarro E, Gómez-Maldonado L, Moltó E, Fernández-Miñán A, Gómez-Skarmeta JL, Montoliu L, Del Peso L.	Nucleic Acids Res.	2012 Mar 1;40 (5)		Epub 2011 Nov 25		1916-1927
136	<a href="#">10.1016/j.cmet.2011.10.008</a>	Induction of the mitochondrial NDUFA4L2 protein by HIF-1α decreases oxygen consumption by inhibiting Complex I activity	Tello D, Balsa E, Acosta-Iborra B, Fuertes-Yebra E, Elorza A, Ordóñez Á, Corral-Escariz M, Soro I, López-Bernardo E, Perales-Clemente E, Martínez-Ruiz A, Enriquez JA, Aragonés J, Cadenas S, Landázuri MO	Cell Metabolism	2011 Nov 11;14 (6)	Cell Press		11/11/2011	768-79
137		Tissue inhibitor of metalloproteinases-1-induced scattered liver metastasis is mediated by hypoxia-inducible factor-1α	Schelter F, Halbgewachs B, Bäumler P, Neu C, Görlach A, Schröitzlmaier F, Krüger A.	Clin Exp Metastasis.	2011 Feb;28(2)		Epub 2010 Oct 30	30/10/2010	91-99
138	<a href="#">10.1091/mbc.E10-12-0971</a>	NOX4 mediates activation of FoxO3a and matrix metalloproteinase 2 expression by urotenin-II	Diebold I, Petry A, Burger M, Hess J, Görlach A.	Mol Biol Cell.	November 15, 2011 vol. 22 no. 22		Epub Sept 30, 2011	30/09/2011	4424-4434
139	<a href="#">10.1038/onc.2011.522</a>	The unfolded protein response controls induction and activation of ADAM17/TACE by severe hypoxia and ER-stress	Rzymiski T, Petry A, Kracun D, Pike L, Harris AL, Görlach A	Oncogene.	Nov 21. (2011)		Epub ahead of print	21/11/2011	-
140	<a href="#">10.1158/1541-7786.MCR-11-0524</a>	STEAP1 Is Associated with the Invasive and Oxidative Stress Phenotype of Ewing Tumors	Grunewald TG, Diebold I, Esposito I, Plehm S, Hauer K, Thiel U, da Silva-Buttkus P, Neff F, Unland R, Müller-Tidow C, Zobywalski C, Lohrig K, Lewandowski U, Sickmann A, da Costa OP, Görlach A, Cossarizza A, Butt E, Richter GH, Burdach S	Mol Cancer Res.	2012 Jan;10(1)		Epub 2011 Nov 11	11/11/2011	52-65
141	<a href="#">10.1242/jcs.094060</a>	The HIF1 Target Gene NOX2 Promotes Angiogenesis by Urotenin-II	Diebold I, Petry A, Sabrane K, Djordjevic T, Hess J, Görlach A	J. Cell. Sci.	2012 Feb 15;125 (Pt 4)		Epub 2012 Mar 7	15/02/2012	956-64
142		Targeting Hypoxic Tumor Cell Viability with Carbohydrate-Based Carbonic Anhydrase IX and XII Inhibitors	Morris JC, Chiche J, Grellier C, Lopez M, Bornaghi LF, Maresca A, Supuran CT, Pouyssegur J, Poulsen SA	J. Med Chem.	54; (2011)		Epub 2011 Sep 2.	13/10/2011	6905-6918
143	<a href="#">10.1002/jic.26125</a>	In vivo pH in metabolic-defective Ras-transformed fibroblast tumors: Key role of the monocarboxylate transporter, MCT4, for inducing an alkaline intracellular pH.	Chiche J, Fur YL, Vilmen C, Frassinetti F, Daniel L, Halestrap AP, Cozzzone PJ, Pouyssegur J, Lutz NW	Int J Cancer	Int. J. Cancer, 130		Epub 2011 May 30	01/04/2012	1511-1520

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
144	<a href="https://doi.org/10.1038/ncr.2011.471">10.1038/ncr.2011.471</a>	The asparaginyl hydroxylase factor-inhibiting HIF is essential for tumor growth through suppression of the p53-p21 axis.	Pelletier J, Dayan F, Durivault J, Ilc K, Pécou E, Pouyssegur J, Mazure NM	Oncogene in press.	2012 Jun 14;31 (24)		Epub ahead of print, 2011 Oct 17.	17/10/2011	2989-3001
145	<a href="https://doi.org/10.1073/pnas.1106123108">10.1073/pnas.1106123108</a>	CD147 subunit of lactate/H <sup>+</sup> symporters MCT1 and hypoxia-inducible MCT4 is critical for energetics and growth of glycolytic tumors.	Le Floch R, Chiche J, Marchiq J, Naiken, Ilc K, Murray C, Critchlow S, Roux D, Simon MP and Pouyssegur J.	Proc. Natl. Acad. Sci (USA)	108; (2011)		Epub ahead of print	19/09/2011	16663-16668
146	<a href="https://doi.org/10.1186/1476-4598-10-89">10.1186/1476-4598-10-89</a>	Inactivation of the von Hippel-Lindau tumour suppressor gene induces Neuromedin U expression in renal cancer cells.	Harten SK, Esteban MA, Shukla D, Ashcroft M, Maxwell PH.	Mol. Cancer	26; (2011)		Epub 2011	26/07/2011	89-96
147		Factor inhibiting HIF (FIH-1) promotes renal cancer cell survival by protecting cells from HIF-1 $\alpha$ -mediated apoptosis.	Khan MN, Bhattacharyya T, Andrikopoulos P, Esteban MA, Barod R, Connor T, Ashcroft M, Maxwell PH, Kiriakidis S.	Br J Cancer	2011 Mar 29;104 (7)		Epub 2011 Mar 8.	08/03/2011	1151-1159
148	<a href="https://doi.org/10.1002/path.2950">10.1002/path.2950</a>	Seeing the smoking gun: a sensitive and specific method to visualize loss of the tumour suppressor, fumarate hydratase, in human tissues.	Maxwell PH.	J Pathol.	225; (2011)		Epub ahead pf print, 2011 Jul 25	25/07/2011	1-3
149		Carbonic Anhydrase IX Interacts with Bicarbonate Transporters in Lamellipodia and Increases Cell Migration via Its Catalytic Domain.	Svastova E, Witarski W, Csaderova L, Kosik I, Skvarkova L, Hulikova A, Zatovicova M, Barathova M, Kopacek J, Pastorek J, Pastorekova S.	J Biol Chem.	2012 Jan 27;287 (5)		Epub 2011	14/12/2011	3392-402
150	<a href="https://doi.org/10.1158/0008-5472.CAN-11-2520">10.1158/0008-5472.CAN-11-2520</a>	Phosphorylation of carbonic anhydrase IX controls its ability to mediate extracellular acidification in hypoxic tumors.	Ditte P, Dequiedt F, Svastova E, Hulikova A, Ohradanova-Repic A, Zatovicova M, Csaderova L, Kopacek J, Supuran CT, Pastorekova S, Pastorek J.	Cancer Res.	2011 Dec 15;71 (24)		Epub	28/11/2011	7558-67
151		Hypoxia disrupts the Fanconi anemia pathway and sensitizes cells to chemotherapy through regulation of UBE2T	Ramaekers CH, van den Beucken T, Meng A, Kassam S, Thoms J, Bristow RG, Wouters BG.	Radiother Oncol.	101; (2011)	Elsevier Ireland Ltd.	Epub	29/06/2011	190-197
152		Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction.	Rouschop KM, Dubois L, Schaaf MB, van den Beucken T, Lieuwes N, Keulers TG, Savelkoul KG, Bussink J, van der Kogel AJ, Koritzinsky M, Wouters BG.	Radiother Oncol.	99; (2011)	Elsevier Ireland Ltd.	Epub	12/06/2011	385-391
153		The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer.	Starmans MH, Chu KC, Haider S, Nguyen F, Seigneuric R, Magagnin MG, Koritzinsky M, Kasprzyk A, Boutros PC, Wouters BG, Lambin P	Radiother Oncol.	(2012) Mar;102 (3)	Elsevier Ireland Ltd	Epub	20/02/2012	436-43
154		Translational control is a major contributor to hypoxia induced gene expression.	van den Beucken T, Magagnin MG, Jutten B, Seigneuric R, Lambin P, Koritzinsky M, Wouters BG.	Radiother Oncol.	99; (2011)	Elsevier Ireland Ltd	Epub	28/06/2011	379-384
155		AMPK regulates metabolism and survival in response to ionizing radiation.	Zanella VE, Cojocari D, Hilgendorf S, Vellanki RN, Chung S, Wouters BG, Koritzinsky M.	Radiother Oncol.	99; (2011)	Elsevier Ireland Ltd	Epub	27/06/2011	293-299
156		Early prediction of response to radiotherapy and androgen-deprivation therapy in prostate cancer by repeated functional MRI: a preclinical study	Kathrine Ree , Manish Kakar , Therese Seierstad , Anne H Ree , Dag R Olsen	Radiation Oncology	Vol. 6/Issue 1	BioMed Central	United Kingdom	01/01/2011	65
157	<a href="https://doi.org/10.1186/1471-2407-11-167">10.1186/1471-2407-11-167</a>	Metabolic markers in relation to hypoxia; staining patterns and colocalization of pimonidazole, HIF-1 $\alpha$ , CAIX, LDH-5, GLUT-1, MCT1 and MCT4	Saskia E Rademakers, Jasper Lok , Albert J van der Kogel , Johan Bussink , Johannes HAM Kaanders	BMC Cancer	Vol. 11/Issue 1	BioMed Central	United Kingdom	01/01/2011	167

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
158	<a href="https://doi.org/10.1016/j.jrobp.2012.01.002">10.1016/j.jrobp.2012.01.002</a>	Expression of EGFR Under Tumor Hypoxia: Identification of a Subpopulation of Tumor Cells Responsible for Aggressiveness and Treatment Resistance	Ilse J. Hoogsteen, Henri A.M. Marres, Franciscus J.A. van den Hoogen, Paul F.J.W. Rijken, Jasper Lok, Johan Bussink, Johannes H.A.M. Kaanders	International Journal of Radiation Oncology Biology Physics	Vol. 84/Issue 3	Elsevier Inc.	United States	01/11/2012	807-814
159	<a href="https://doi.org/10.1158/0008-5472.CAN-11-1182">10.1158/0008-5472.CAN-11-1182</a>	Development of a Hypoxia Gene Expression Classifier with Predictive Impact for Hypoxic Modification of Radiotherapy in Head and Neck Cancer	K. Toustrup, B. S. Sorensen, M. Nordmark, M. Busk, C. Wiuf, J. Alsner, J. Overgaard	Cancer Research	Vol. 71/Issue 17	American Association for Cancer Research Inc.	United States	01/09/2011	5923-5931
160	<a href="https://doi.org/10.1186/1471-2407-11-63">10.1186/1471-2407-11-63</a>	In vivo Identification and Specificity assessment of mRNA markers of hypoxia in human and mouse tumors	Morten Busk, Kasper Toustrup, Brita S Sørensen, Jan Alsner, Michael R Horsman, Steen Jakobsen, Jens Overgaard	BMC Cancer	Vol. 11/Issue 1	BioMed Central	United Kingdom	01/01/2011	63
161	<a href="https://doi.org/10.1016/j.bmcl.2011.02.057">10.1016/j.bmcl.2011.02.057</a>	Carbonic anhydrase inhibitors. Inhibition of the $\beta$ -class enzymes from the fungal pathogens <i>Candida albicans</i> and <i>Cryptococcus neoformans</i> with branched aliphatic/aromatic carboxylates and their derivatives	Fabrizio Carta, Alessio Innocenti, Rebecca A. Hall, Fritz A. Mühlischlegel, Andrea Scozzafava, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 21/Issue 8	Elsevier Limited	United Kingdom	01/04/2011	2521-2526
162	<a href="https://doi.org/10.1038/cdd.2010.119">10.1038/cdd.2010.119</a>	miR-210 is overexpressed in late stages of lung cancer and mediates mitochondrial alterations associated with modulation of HIF-1 activity	M-P Puisségur, N M Mazure, T Bertero, L Pradelli, S Grosso, K Robbe-Sermesant, T Maurin, K Lebrigand, B Cardinaud, V Hofman, S Fourre, V Magnone, J E Ricci, J Pouyssegur, P Gounon, P Hofman, P Barbry, B Mari	Cell Death and Differentiation	Vol. 18/Issue 3	Nature Publishing Group	United Kingdom	01/03/2011	465-478
163	<a href="https://doi.org/10.1002/icp.22400">10.1002/icp.22400</a>	pH control mechanisms of tumor survival and growth	Scott K. Parks, Johanna Chiche, Jacques Pouyssegur	Journal of Cellular Physiology	Vol. 226/Issue 2	Wiley-Liss Inc.	United States	01/02/2011	299-308
164	<a href="https://doi.org/10.1016/j.gde.2010.10.006">10.1016/j.gde.2010.10.006</a>	Hypoxia and energetic tumour metabolism	M Christiane Brahimi-Horn, Gregory Bellot, Jacques Pouyssegur	Current Opinion in Genetics and Development	Vol. 21/Issue 1	Elsevier Limited	United Kingdom	01/02/2011	67-72
165	<a href="https://doi.org/10.1186/1748-717X-7-75">10.1186/1748-717X-7-75</a>	Vascular responses to radiotherapy and androgen-deprivation therapy in experimental prostate cancer	Kathrine Røe, Lars TG Mikalsen, Albert J van der Kogel, Johan Bussink, Heidi Lyng, Anne H Røe, Laure Maignol, Dag R Olsen	Radiation Oncology	Vol. 7/Issue 1	BioMed Central	United Kingdom	01/01/2012	75
166	<a href="https://doi.org/10.1007/s13402-012-0081-9">10.1007/s13402-012-0081-9</a>	Alterations of monocarboxylate transporter densities during hypoxia in brain and breast tumour cells	Chang Cheng, Nina F. Jeppesen Edin, Knut H. Lauritzen, Ida Aspmo, Stine Christoffersen, Liu Jian, Lene Juel Rasmussen, Erik O Pettersen, Gao Xiaogun, Linda H. Bergersen	Cellular oncology (Dordrecht)	Vol. 35/Issue 3	Springer Verlag	Germany	01/06/2012	217-227
167	<a href="https://doi.org/10.1073/pnas.1210633110">10.1073/pnas.1210633110</a>	PERK/eIF2 signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS	K. M. Rouschop, L. J. Dubois, T. G. Keulers, T. van den Beucken, P. Lambin, J. Bussink, A. J. van der Kogel, M. Koritzinsky, B. G. Wouters	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 12	National Academy of Sciences	United States	19/03/2013	4622-4627
168	<a href="https://doi.org/10.1016/j.ejca.2011.11.036">10.1016/j.ejca.2011.11.036</a>	Radiomics: Extracting more information from medical images using advanced feature analysis	Philippe Lambin, Emmanuel Rios-Velazquez, Ralph Leijenaar, Sara Carvalho, Ruud G.P.M. van Stiphout, Patrick Granton, Catharina M.L. Zegers, Robert Gillies, Ronald Boellard, André Dekker, Hugo J.W.L. Aerts	European Journal of Cancer	Vol. 48/Issue 4	Elsevier Limited	United Kingdom	01/03/2012	441-446
169	<a href="https://doi.org/10.1038/nrclinonc.2012.196">10.1038/nrclinonc.2012.196</a>	Predicting outcomes in radiation oncology—multifactorial decision support systems	Philippe Lambin, Ruud G. P. M. van Stiphout, Maud H. W. Starmans, Emmanuel Rios-Velazquez, Georgi Nalbantov, Hugo J. W. L. Aerts, Erik Roelofs, Wouter van Elmpt, Paul C. Boutros, Pierluigi Granone, Vincenzo Valentini, Adrian C. Begg, Dirk De Ruysscher, Andre Dekker	Nature Reviews Clinical Oncology	Vol. 10/Issue 1	Nature Publishing Group	United Kingdom	20/11/2012	27-40



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
170	<a href="https://doi.org/10.1016/j.ijrobp.2010.06.011">10.1016/j.ijrobp.2010.06.011</a>	Development and Validation of a Prognostic Model Using Blood Biomarker Information for Prediction of Survival of Non-Small-Cell Lung Cancer Patients Treated With Combined Chemotherapy and Radiation or Radiotherapy Alone (NCT00181519, NCT00573040, and NCT00572325)	Cary Dehing-Oberije, Hugo Aerts, Shipeng Yu, Dirk De Ruyscher, Paul Menheere, Mika Hilvo, Hiska van der Weide, Bharat Rao, Philippe Lambin	International Journal of Radiation Oncology Biology Physics	Vol. 81/Issue 2	Elsevier Inc.	United States	01/10/2011	360-368
171	<a href="https://doi.org/10.1016/j.radonc.2012.09.016">10.1016/j.radonc.2012.09.016</a>	No association between TGF-β1 polymorphisms and radiation-induced lung toxicity in a European cohort of lung cancer patients	An M. Voets, Cary Oberije, Robin B. Struijk, Bart Reymen, Kim De Ruyck, Hubert Thierens, Katrien Vandecasteele, Wilfried De Neve, Ruud Houben, Dirk De Ruyscher, Hubert J.M. Smeets, Philippe Lambin	Radiotherapy and Oncology	Vol. 105/Issue 3	Elsevier Ireland Ltd	Ireland	01/12/2012	296-298
172	<a href="https://doi.org/10.1186/gm385">10.1186/gm385</a>	Exploiting the noise: improving biomarkers with ensembles of data analysis methodologies	Maud HW Starmans, Melania Pintilie, Thomas John, Sandy D Der, Frances A Shepherd, Igor Jurisica, Philippe Lambin, Ming-Sound Tsao, Paul C Boutros	Genome Medicine	Vol. 4/Issue 11	BioMed Central	United Kingdom	01/01/2012	84
173	<a href="https://doi.org/10.1016/j.mri.2012.04.010">10.1016/j.mri.2012.04.010</a>	Functional MRI for radiotherapy dose painting	Uulke A. van der Heide, Antonetta C. Houweling, Greetje Groenendaal, Regina G.H. Beets-Tan, Philippe Lambin	Magnetic Resonance Imaging	Vol. 30/Issue 9	Elsevier Inc.	United States	01/11/2012	1216-1223
174	<a href="https://doi.org/10.1016/j.radonc.2012.02.002">10.1016/j.radonc.2012.02.002</a>	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer	Maud H.W. Starmans, Kenneth C. Chu, Syed Haider, Francis Nguyen, Renaud Seigneuric, Michael G. Magagnin, Marianne Koritzinsky, Arek Kasprzyk, Paul C. Boutros, Bradley G. Wouters, Philippe Lambin	Radiotherapy and Oncology	Vol. 102/Issue 3	Elsevier Ireland Ltd	Ireland	01/03/2012	436-443
175	<a href="https://doi.org/10.1016/j.eica.2011.11.036">10.1016/j.eica.2011.11.036</a>	Radiomics: Extracting more information from medical images using advanced feature analysis	Philippe Lambin, Emmanuel Rios-Velazquez, Ralph Leijenaar, Sara Carvalho, Ruud G.P.M. van Stiphout, Patrick Granton, Catharina M.L. Zegers, Robert Gillies, Ronald Boellard, André Dekker, Hugo J.W.L. Aerts	European Journal of Cancer	Vol. 48/Issue 4	Elsevier Limited	United Kingdom	01/03/2012	441-446
176	<a href="https://doi.org/10.1016/j.ctrv.2012.08.004">10.1016/j.ctrv.2012.08.004</a>	New strategies for targeting the hypoxic tumour microenvironment in breast cancer	Carol Ward, Simon P. Langdon, Peter Mullen, Adrian L. Harris, David J. Harrison, Claudiu T. Supuran, Ian H. Kunkler	Cancer Treatment Reviews	Vol. 39/Issue 2	W.B. Saunders Ltd	United Kingdom	01/04/2013	171-179
177	<a href="https://doi.org/10.1016/j.bmcl.2012.05.083">10.1016/j.bmcl.2012.05.083</a>	Ureido-substituted sulfamates show potent carbonic anhydrase IX inhibitory and antiproliferative activities against breast cancer cell lines	Jean-Yves Winum, Fabrizio Carta, Carol Ward, Peter Mullen, David Harrison, Simon P. Langdon, Alessandro Cecchi, Andrea Scozzafava, Ian Kunkler, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 14	Elsevier Limited	United Kingdom	01/07/2012	4681-4685
178	<a href="https://doi.org/10.1016/j.ijrobp.2012.01.002">10.1016/j.ijrobp.2012.01.002</a>	Expression of EGFR Under Tumor Hypoxia: Identification of a Subpopulation of Tumor Cells Responsible for Aggressiveness and Treatment Resistance	Ilse J. Hoogsteen, Henri A.M. Marres, Franciscus J.A. van den Hoogen, Paul F.J.W. Rijken, Jasper Lok, Johan Bussink, Johannes H.A.M. Kaanders	International Journal of Radiation Oncology Biology Physics	Vol. 84/Issue 3	Elsevier Inc.	United States	01/11/2012	807-814
179	<a href="https://doi.org/10.1158/1078-0432.CCR-12-0858">10.1158/1078-0432.CCR-12-0858</a>	Targeting Hypoxia, HIF-1, and Tumor Glucose Metabolism to Improve Radiotherapy Efficacy	T. W. H. Meijer, J. H. A. M. Kaanders, P. N. Span, J. Bussink	Clinical Cancer Research	Vol. 18/Issue 20	American Association for Cancer Research Inc.	United States	15/10/2012	5585-5594
180	<a href="https://doi.org/10.1200/JCO.2011.35.9315">10.1200/JCO.2011.35.9315</a>	Accelerated Radiotherapy With Carbogen and Nicotinamide for Laryngeal Cancer: Results of a Phase III Randomized Trial	G. O. Janssens, S. E. Rademakers, C. H. Terhaard, P. A. Doornaert, H. P. Bijl, P. van den Ende, A. Chin, H. A. Marres, R. de Bree, A. J. van der Kogel, I. J. Hoogsteen, J. Bussink, P. N. Span, J. H. Kaanders	Journal of Clinical Oncology	Vol. 30/Issue 15	American Society of Clinical Oncology	United States	20/05/2012	1777-1783



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
181	<a href="#">10.1186/1748-717X-7-75</a>	Vascular responses to radiotherapy and androgen-deprivation therapy in experimental prostate cancer	Kathrine Røe , Lars TG Mikalsen , Albert J van der Kogel , Johan Bussink , Heidi Lyng , Anne H Ree , Laure Marignol , Dag R Olsen	Radiation Oncology	Vol. 7/Issue 1	BioMed Central	United Kingdom	01/01/2012	75
182	<a href="#">10.1111/i.1365-2559.2011.04138.x</a>	Expression of vascular Notch ligands Delta-like 4 and Jagged-1 in glioblastoma	Adrian M Jubb , Lisa Browning , Leticia Campo , Helen Turley , Graham Steers , Gavin Thurston , Adrian L Harris , Olaf Ansorge	Histopathology	Vol. 60/Issue 5	Blackwell Publishing	United Kingdom	01/04/2012	740-747
183	<a href="#">10.1007/s00109-013-0996-2</a>	Dichloroacetate reverses the hypoxic adaptation to bevacizumab and enhances its antitumor effects in mouse xenografts	Krishan Kumar , Simon Wigfield , Harriet E. Gee , Cecilia M. Devlin , Dean Singleton , Ji-Liang Li , Francesca Buffa , Melanie Huffman , Anthony L. Sinn , Jayne Silver , Helen Turley , Russell Leek , Adrian L. Harris , Mircea Ivan	Journal of Molecular Medicine	Vol. 91/Issue 6	Springer Verlag	Germany	01/06/2013	749-758
184	<a href="#">10.3109/14756366.2012.736979</a>	Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells	Roben G. Gieling , Catriona A. Parker , Lisa A. De Costa , Naomi Robertson , Adrian L. Harris , Ian J. Stratford , Kaye J. Williams	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	360-369
185	<a href="#">10.1007/s00259-012-2258-x</a>	PET hypoxia imaging with FAZA: reproducibility at baseline and during fractionated radiotherapy in tumour-bearing mice	M. Busk , L. S. Mortensen , M. Nordsmark , J. Overgaard , S. Jakobsen , K. V. Hansen , J. Theil , J. F. Kallehauge , F. P. D'Andrea , T. Steiniche , M. R. Horsman	European Journal of Nuclear Medicine and Molecular Imaging	Vol. 40/Issue 2	Springer Verlag	Germany	01/01/2013	186-197
186	<a href="#">10.1038/nrclinonc.2012.171</a>	Imaging hypoxia to improve radiotherapy outcome	Michael R. Horsman , Lise Sakso Mortensen , Jørgen B. Petersen , Morten Busk , Jens Overgaard	Nature Reviews Clinical Oncology	Vol. 9/Issue 12	Nature Publishing Group	United Kingdom	13/11/2012	674-687
187	<a href="#">10.1016/j.radonc.2012.09.015</a>	FAZA PET/CT hypoxia imaging in patients with squamous cell carcinoma of the head and neck treated with radiotherapy: Results from the DAHANCA 24 trial	Lise Sakso Mortensen , Jørgen Johansen , Jesper Kallehauge , Hanne Primdahl , Morten Busk , Pernille Lassen , Jan Alsner , Brita S. Sørensen , Kasper Toustrup , Steen Jakobsen , Jørgen Petersen , Henrik Petersen , Jørn Theil , Marianne Nordsmark , Jens Overgaard	Radiotherapy and Oncology	Vol. 105/Issue 1	Elsevier Ireland Ltd	Ireland	01/10/2012	14-20
188	<a href="#">10.1158/1535-7163.MCT-12-0905</a>	[18F]-FLT Positron Emission Tomography Can Be Used to Image the Response of Sensitive Tumors to PI3-Kinase Inhibition with the Novel Agent GDC-0941	C. Cawthorne , N. Burrows , R. G. Gieling , C. J. Morrow , D. Forster , J. Gregory , M. Radigois , A. Smigova , M. Babur , K. Simpson , C. Hodgkinson , G. Brown , A. McMahon , C. Dive , D. Hiscock , I. Wilson , K. J. Williams	Molecular Cancer Therapeutics	Vol. 12/Issue 5	American Association for Cancer Research Inc.	United States	01/05/2013	819-828
189	<a href="#">10.3109/14756366.2012.736979</a>	Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells	Roben G. Gieling , Catriona A. Parker , Lisa A. De Costa , Naomi Robertson , Adrian L. Harris , Ian J. Stratford , Kaye J. Williams	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	360-369
190	<a href="#">10.1016/j.bmc.2012.09.062</a>	Carbonic anhydrase IX as a target for metastatic disease	Roben G. Gieling , Kaye J. Williams	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1470-1476
191	<a href="#">10.1021/im300529u</a>	Antimetastatic Effect of Sulfamate Carbonic Anhydrase IX Inhibitors in Breast Carcinoma Xenografts	Roben G. Gieling , Muhammad Babur , Lupti Mamnani , Natalie Burrows , Brian A. Telfer , Fabrizio Carta , Jean-Yves Winum , Andrea Scozzafava , Claudiu T. Supuran , Kaye J. Williams	Journal of Medicinal Chemistry	Vol. 55/Issue 11	American Chemical Society	United States	14/06/2012	5591-5600

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
192	<a href="#">10.1210/jc.2011-1426</a>	GDC-0941 Inhibits Metastatic Characteristics of Thyroid Carcinomas by Targeting both the Phosphoinositide-3 Kinase (PI3K) and Hypoxia-Inducible Factor-1 $\alpha$ (HIF-1 $\alpha$ ) Pathways	Natalie Burrows , Muhammad Babur , Julia Resch , Sophie Ridsdale , Melissa Mejin , Emily J. Rowling , Georg Brabant , Kaye J. Williams	Journal of Clinical Endocrinology and Metabolism	Vol. 96/Issue 12	The Endocrine Society	United States	01/12/2011	E1934-E1943
193	<a href="#">10.2174/092986712799034851</a>	Carbonic Anhydrase IX as a Target for Designing Novel Anticancer Drugs	S. M. Monti , C. T. Supuran , G. De Simone	Current Medicinal Chemistry	Vol. 19/Issue 6	Bentham Science Publishers B.V.	Netherlands	01/02/2012	821-830
194	<a href="#">10.1016/j.ejmech.2011.12.022</a>	Structure-activity relationships for the interaction of 5,10-dihydroindeno[1,2-b]indole derivatives with human and bovine carbonic anhydrase isoforms I, II, III, IV and VI	Deniz Ekinci , Hüseyin Çavdar , Serdar Durdagi , Oktay Talaz , Murat Şentürk , Claudiu T. Supuran	European Journal of Medicinal Chemistry	Vol. 49	Elsevier Masson SAS	Italy	01/03/2012	68-73
195	<a href="#">10.1039/c2cc16395k</a>	Dithiocarbamates: a new class of carbonic anhydrase inhibitors. Crystallographic and kinetic investigations	Fabrizio Carta , Mayank Aggarwal , Alfonso Maresca , Andrea Scozzafava , Robert McKenna , Claudiu T. Supuran	Chemical Communications	Vol. 48/Issue 13	Royal Society of Chemistry	United Kingdom	01/01/2012	1868
196	<a href="#">10.1021/im300031j</a>	Dithiocarbamates Strongly Inhibit Carbonic Anhydrases and Show Antiglaucoma Action in Vivo	Fabrizio Carta , Mayank Aggarwal , Alfonso Maresca , Andrea Scozzafava , Robert McKenna , Emanuela Masini , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 55/Issue 4	American Chemical Society	United States	23/02/2012	1721-1730
197	<a href="#">10.1016/j.bmcl.2011.12.134</a>	Carbonic anhydrase VII is S-glutathionylated without loss of catalytic activity and affinity for sulfonamide inhibitors	Emanuela Truppo , Claudiu T. Supuran , Annamaria Sandomenico , Daniela Vullo , Alessio Innocenti , Anna Di Fiore , Vincenzo Alterio , Giuseppina De Simone , Simona M. Monti	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 4	Elsevier Limited	United Kingdom	01/02/2012	1560-1564
198		Recent developments in targeting carbonic anhydrase IX for cancer therapeutics	McDonald PC, Winum JY, Supuran CT, Dedhar S.	Oncotarget	Vol. 3/Issue 1	Impact Journals		28/01/2012	84-97
199	<a href="#">10.1002/anie.201107333</a>	[(Cp-R)M(CO)3] (M=Re or 99mTc) Arylsulfonamide, Arylsulfamide, and Arylsulfamate Conjugates for Selective Targeting of Human Carbonic Anhydrase IX	Daniel Can , Bernhard Spingler , Paul Schmutz , Filipa Mendes , Paula Raposinho , Célia Fernandes , Fabrizio Carta , Alessio Innocenti , Isabel Santos , Claudiu T. Supuran , Roger Alberto	Angewandte Chemie - International Edition	Vol. 51/Issue 14	John Wiley and Sons Ltd	United Kingdom	02/04/2012	3354-3357
200	<a href="#">10.2174/138161212799504876</a>	Inhibition of V-ATPase and Carbonic Anhydrases as Interference Strategy with Tumor Acidification Processes	Mario Perez-Sayans , Abel Garcia-Garcia , Andrea Scozzafava , Claudiu T. Supuran	Current Pharmaceutical Design	Vol. 18/Issue 10	Bentham Science Publishers B.V.	Netherlands	01/04/2012	1407-1413
201	<a href="#">10.1016/j.bmcl.2012.01.129</a>	New chemotypes acting as isozyme-selective carbonic anhydrase inhibitors with low affinity for the offtarget cytosolic isoform II	Fabrizio Carta , Daniela Vullo , Alfonso Maresca , Andrea Scozzafava , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 6	Elsevier Limited	United Kingdom	01/03/2012	2182-2185
202	<a href="#">10.1016/j.bmc.2012.01.052</a>	Design and synthesis of thiourea compounds that inhibit transmembrane anchored carbonic anhydrases	Janina Moeker , Kanae Teruya , Sabine Rossit , Brendan L. Wilkinson , Marie Lopez , Laurent F. Bornaghi , Alessio Innocenti , Claudiu T. Supuran , Sally-Ann Poulsen	Bioorganic and Medicinal Chemistry	Vol. 20/Issue 7	Elsevier Limited	United Kingdom	01/04/2012	2392-2404
203	<a href="#">10.1016/j.bmc.2012.02.014</a>	Novel coumarins and 2-thioxo-coumarins as inhibitors of the tumor-associated carbonic anhydrases IX and XII	Fabrizio Carta , Alfonso Maresca , Andrea Scozzafava , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 20/Issue 7	Elsevier Limited	United Kingdom	01/04/2012	2266-2273
204	<a href="#">10.1039/c2cc30359k</a>	Serendipitous fragment-based drug discovery: ketogenic diet metabolites and statins effectively inhibit several carbonic anhydrases	Seppo Parkkila , Daniela Vullo , Alfonso Maresca , Fabrizio Carta , Andrea Scozzafava , Claudiu T. Supuran	Chemical Communications	Vol. 48/Issue 29	Royal Society of Chemistry	United Kingdom	17/02/2012	3551-3553

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
205	<a href="#">10.1016/j.bmc.2012.02.029</a>	Mutation of active site residues Asn67 to Ile, Gln92 to Val and Leu204 to Ser in human carbonic anhydrase II: Influences on the catalytic activity and affinity for inhibitors	Sumeyye Turkoglu , Alfonso Maresca , Meltem Alper , Feray Kockar , Semra Işık , Selma Sinan , Ozen Ozensoy , Oktay Arslan , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 20/Issue 7	Elsevier Limited	United Kingdom	01/04/2012	2208-2213
206	<a href="#">10.1111/j.1600-0714.2012.01144.x</a>	The role of carbonic anhydrase IX in hypoxia control in OSCC	Mario Pérez-Sayáns , Claudiu T. Supuran , Silvia Pastorekova , José Manuel Suárez-Peñaranda , Gayoso-Diz Pilar , Francisco Barros-Angueira , José Manuel Gándara-Rey , Abel García-García	Journal of Oral Pathology and Medicine	Vol. 42/Issue 1	Blackwell Publishing	United Kingdom	01/01/2013	1-8
207	<a href="#">10.1021/jm300112w</a>	Synthesis, Structure-Activity Relationship Studies, and X-ray Crystallographic Analysis of Arylsulfonamides as Potent Carbonic Anhydrase Inhibitors	Rosaria Gitto , Francesca M. Damiano , Pavel Mader , Laura De Luca , Stefania Ferro , Claudiu T. Supuran , Daniela Vullo , Jifí Brynda , Pavlina Řezáčová , Alba Chimirri	Journal of Medicinal Chemistry	Vol. 55/Issue 8	American Chemical Society	United States	26/04/2012	3891-3899
208	<a href="#">10.3109/14756366.2012.672983</a>	Structure-based drug discovery of carbonic anhydrase inhibitors	Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 27/Issue 6	Informa Healthcare	United Kingdom	01/12/2012	759-772
209	<a href="#">10.1111/j.1600-0714.2012.01147.x</a>	Expression of CA-IX is associated with advanced stage tumors and poor survival in oral squamous cell carcinoma patients	Mario Pérez-Sayáns , José Manuel Suárez-Peñaranda , Gayoso-Diz Pilar , Claudiu T. Supuran , Silvia Pastorekova , Francisco Barros-Angueira , José Manuel Gándara-Rey , Abel García-García	Journal of Oral Pathology and Medicine	Vol. 41/Issue 9	Blackwell Publishing	United Kingdom	01/10/2012	667-674
210	<a href="#">10.1016/j.bmcl.2012.03.071</a>	Flavones and structurally related 4-chromenones inhibit carbonic anhydrases by a different mechanism of action compared to coumarins	Gianfranco Balboni , Cenzo Congiu , Valentina Onnis , Alfonso Maresca , Andrea Scozzafava , Jean-Yves Winum , Annalisa Maletti , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 9	Elsevier Limited	United Kingdom	01/05/2012	3063-3066
211	<a href="#">10.1021/jm300427m</a>	Metallocene-Based Inhibitors of Cancer-Associated Carbonic Anhydrase Enzymes IX and XII	Adam J. Salmon , Michael L. Williams , Quoc K. Wu , Julia Morizzi , Daniel Gregg , Susan A. Charman , Daniela Vullo , Claudiu T. Supuran , Sally-Ann Poulsen	Journal of Medicinal Chemistry	Vol. 55/Issue 11	American Chemical Society	United States	14/06/2012	5506-5517
212	<a href="#">10.1021/jm3004587</a>	Protein-Protein Interactions: Inhibition of Mammalian Carbonic Anhydrases I-XV by the Murine Inhibitor of Carbonic Anhydrase and Other Members of the Transferrin Family	Serdar Durdagi , Daniela Vullo , Peiwen Pan , Niklas Kähkönen , Juha A. Määttä , Vesa P. Hytönen , Andrea Scozzafava , Seppo Parkkila , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 55/Issue 11	American Chemical Society	United States	14/06/2012	5529-5535
213	<a href="#">10.1021/cr200176r</a>	Multiple Binding Modes of Inhibitors to Carbonic Anhydrases: How to Design Specific Drugs Targeting 15 Different Isoforms?	Vincenzo Alterio , Anna Di Fiore , Katia D'Ambrosio , Claudiu T. Supuran , Giuseppina De Simone	Chemical Reviews	Vol. 112/Issue 8	American Chemical Society	United States	08/08/2012	4421-4468
214	<a href="#">10.1517/13543776.2012.698264</a>	Sulfonamides: a patent review (2008 – 2012)	Fabrizio Carta , Andrea Scozzafava , Claudiu T. Supuran	Expert Opinion on Therapeutic Patents	Vol. 22/Issue 7	Informa Healthcare	United Kingdom	01/07/2012	747-758
215	<a href="#">10.1039/c2cc33415a</a>	Polypharmacology of sulfonamides: pazopanib, a multitargeted receptor tyrosine kinase inhibitor in clinical use, potentially inhibits several mammalian carbonic anhydrases	Jean-Yves Winum , Alfonso Maresca , Fabrizio Carta , Andrea Scozzafava , Claudiu T. Supuran	Chemical Communications	Vol. 48/Issue 66	Royal Society of Chemistry	United Kingdom	01/01/2012	8177
216	<a href="#">10.1016/j.bmcl.2012.05.083</a>	Ureido-substituted sulfamates show potent carbonic anhydrase IX inhibitory and antiproliferative activities against breast cancer cell lines	Jean-Yves Winum , Fabrizio Carta , Carol Ward , Peter Mullen , David Harrison , Simon P. Langdon , Alessandro Cecchi , Andrea Scozzafava , Ian Kunkler , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 14	Elsevier Limited	United Kingdom	15/07/2012	4681-4685
217	<a href="#">10.1021/jm300818k</a>	Development of Potent Carbonic Anhydrase Inhibitors Incorporating Both Sulfonamide and Sulfamide Groups	Katia D'Ambrosio , Fatma-Zhora Smaïne , Fabrizio Carta , Giuseppina De Simone , Jean-Yves Winum , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 55/Issue 15	American Chemical Society	United States	09/08/2012	6776-6783

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
218	<a href="#">10.5306/wjco.v3.i7.98</a>	Inhibition of carbonic anhydrase IX as a novel anticancer mechanism	Claudio T Supuran	World Journal of Clinical Oncology	Vol. 3/Issue 7	Baishideng Publishing Group Co., Limited.	China (People's Republic of)	01/01/2012	98
219	<a href="#">10.1016/j.bmcl.2012.06.106</a>	Anion inhibition studies of an $\alpha$ -carbonic anhydrase from the thermophilic bacterium <i>Sulfurihydrogenibium yellowstonense</i> YO3AOP1	Viviana De Luca, Daniela Vullo, Andrea Scozzafava, Vincenzo Carginale, Mosè Rossi, Claudio T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 17	Elsevier Limited	United Kingdom	01/09/2012	5630-5634
220	<a href="#">10.1039/c2cc34275h</a>	Hydroxamate represents a versatile zinc binding group for the development of new carbonic anhydrase inhibitors	Anna Di Fiore, Alfonso Maresca, Claudio T. Supuran, Giuseppina De Simone	Chemical Communications	Vol. 48/Issue 70	Royal Society of Chemistry	United Kingdom	01/01/2012	8838
221	<a href="#">10.1021/jm300818k</a>	Carbamoylphosphonates Control Tumor Cell Proliferation and Dissemination by Simultaneously Inhibiting Carbonic Anhydrase IX and Matrix Metalloproteinase-2. Toward Nontoxic Chemotherapy Targeting Tumor Microenvironment(1)	Reuven Reich, Amnon Hoffman, Ainelly Veerendhar, Alfonso Maresca, Alessio Innocenti, Claudio T. Supuran, Eli Breuer	Journal of Medicinal Chemistry	Vol. 55/Issue 17	American Chemical Society	United States	13/09/2012	7875-7882
222	<a href="#">10.1016/j.bmcl.2012.07.094</a>	Inhibition of $\alpha$ -class cytosolic human carbonic anhydrases I, II, IX and XII, and $\beta$ -class fungal enzymes by carboxylic acids and their derivatives: New isoform-I selective nanomolar inhibitors	Mario Sechi, Alessio Innocenti, Nicolino Pala, Dominga Rogolino, Mauro Carcelli, Andrea Scozzafava, Claudio T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 18	Elsevier Limited	United Kingdom	01/09/2012	5801-5806
223	<a href="#">10.1016/j.ejmech.2012.08.006</a>	Carbonic anhydrase inhibitors. Regioselective synthesis of novel series 1-substituted 1,4-dihydro-4-oxo-3-pyridinesulfonamides and their inhibition of the human cytosolic isozymes I and II and transmembrane cancer-associated isozymes IX and XII	Zdzisław Brzozowski, Jarosław Sławiński, Daniela Vullo, Claudio T. Supuran	European Journal of Medicinal Chemistry	Vol. 56	Elsevier Masson SAS	Italy	01/10/2012	282-291
224	<a href="#">10.1016/j.bmcl.2012.08.088</a>	The first activation study of a bacterial carbonic anhydrase (CA). The thermostable $\alpha$ -CA from <i>Sulfurihydrogenibium yellowstonense</i> YO3AOP1 is highly activated by amino acids and amines	Daniela Vullo, Viviana De Luca, Andrea Scozzafava, Vincenzo Carginale, Mosè Rossi, Claudio T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 20	Elsevier Limited	United Kingdom	15/10/2012	6324-6327
225	<a href="#">10.1016/j.ctrv.2012.08.004</a>	New strategies for targeting the hypoxic tumour microenvironment in breast cancer	Carol Ward, Simon P. Langdon, Peter Mullen, Adrian L. Harris, David J. Harrison, Claudio T. Supuran, Ian H. Kunkler	Cancer Treatment Reviews	Vol. 39/Issue 2	W.B. Saunders Ltd	United Kingdom	01/04/2013	171-179
226	<a href="#">10.1021/jm300878g</a>	Tricyclic Sulfonamides Incorporating Benzothioopyrano [4,3-	Anna M. Marini, Alfonso Maresca, Mayank Aggarwal, Elisabetta Orlandini, Susanna Nencetti, Federico Da Settimo, Silvia Salerno, Francesca Simorini, Concettina La Motta, Sabrina Taliani, Elisa Nuti, Andrea Scozzafava, Robert McKenna, Armando Rossello, Claudio T. Supuran	Journal of Medicinal Chemistry	Vol. 55/Issue 22	American Chemical Society	United States	26/11/2012	9619-9629
227	<a href="#">10.1016/j.bmcl.2012.09.065</a>	Anion inhibition studies of the fastest carbonic anhydrase (CA) known, the extreme-CA from the bacterium <i>Sulfurihydrogenibium azorense</i>	Daniela Vullo, Viviana De Luca, Andrea Scozzafava, Vincenzo Carginale, Mosè Rossi, Claudio T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 22/Issue 23	Elsevier Limited	United Kingdom	01/12/2012	7142-7145
228	<a href="#">10.1517/13543776.2013.742065</a>	Secondary and tertiary sulfonamides: a patent review (2008 – 2012)	Andrea Scozzafava, Fabrizio Carta, Claudio T. Supuran	Expert Opinion on Therapeutic Patents	Vol. 23/Issue 2	Informa Healthcare	United Kingdom	01/02/2013	203-213



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
229	<a href="https://doi.org/10.1021/pr300565w">10.1021/pr300565w</a>	Characterization of Carbonic Anhydrase IX Interactome Reveals Proteins Assisting Its Nuclear Localization in Hypoxic Cells	Pasquale Buanne , Giovanni Renzone , Francesca Monteleone , Monica Vitale , Simona Maria Monti , AnnaMaria Sandomenico , Corrado Garbi , Donatella Montanaro , Marina Accardo , Giancarlo Troncone , Miriam Zatovicova , Lucia Csaderova , Claudiu T. Supuran , Silvia Pastorekova , Andrea Scaloni , Giuseppina De Simone , Nicola Zambrano	Journal of Proteome Research	Vol. 12/Issue 1	American Chemical Society	United States	04/01/2013	282-292
230	<a href="https://doi.org/10.1021/jm301611m">10.1021/jm301611m</a>	DNA Cloning, Characterization, and Inhibition Studies of an $\alpha$ -Carbonic Anhydrase from the Pathogenic Bacterium <i>Vibrio cholerae</i>	Sonia Del Prete , Semra Isik , Daniela Vullo , Viviana De Luca , Vincenzo Carginale , Andrea Scozzafava , Claudiu T. Supuran , Clemente Capasso	Journal of Medicinal Chemistry	Vol. 55/Issue 23	American Chemical Society	United States	13/12/2012	10742-10748
231	<a href="https://doi.org/10.1016/j.bmcl.2012.10.103">10.1016/j.bmcl.2012.10.103</a>	Restoring catalytic activity to the human carbonic anhydrase (CA) related proteins VIII, X and XI affords isoforms with high catalytic efficiency and susceptibility to anion inhibition	Isao Nishimori , Daniela Vullo , Tomoko Minakuchi , Andrea Scozzafava , Clemente Capasso , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 1	Elsevier Limited	United Kingdom	01/01/2013	256-260
232	<a href="https://doi.org/10.1021/jm301625s">10.1021/jm301625s</a>	Sulfocoumarins (1,2-Benzoxathiine-2,2-dioxides): A Class of Potent and Isoform-Selective Inhibitors of Tumor-Associated Carbonic Anhydrases	Kaspars Tars , Daniela Vullo , Andris Kazaks , Janis Leitans , Alons Lends , Aiga Grandane , Raivis Zalubovskis , Andrea Scozzafava , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 1	American Chemical Society	United States	10/01/2013	293-300
233	<a href="https://doi.org/10.1016/j.bmcl.2012.12.009">10.1016/j.bmcl.2012.12.009</a>	The extremophilic carbonic anhydrase (CA) from <i>Sulfolobus solfataricus</i> is highly activated by amino acids and amines	Atilla Akdemir , Daniela Vullo , Viviana De Luca , Andrea Scozzafava , Vincenzo Carginale , Mosè Rossi , Claudiu T. Supuran , Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 4	Elsevier Limited	United Kingdom	01/02/2013	1087-1090
234	<a href="https://doi.org/10.1038/onc.2011.417">10.1038/onc.2011.417</a>	Non-canonical HIF-2 $\alpha$ function drives autonomous breast cancer cell growth via an AREG-EGFR/ErbB4 autocrine loop	D P Stiehl , M R Bordoli , I Abreu-Rodríguez , K Wollenick , P Schraml , K Gradin , L Poellinger , G Kristiansen , R H Wenger	Oncogene	Vol. 31/Issue 18	Nature Publishing Group	United Kingdom	03/05/2012	2283-2297
235	<a href="https://doi.org/10.1038/cddis.2012.66">10.1038/cddis.2012.66</a>	Acute hypoxia induces apoptosis of pancreatic $\beta$ -cell by activation of the unfolded protein response and upregulation of CHOP	X Zheng , X Zheng , X Wang , Z Ma , V Gupta Sunkari , I Botusan , T Takeda , A Björklund , M Inoue , S-B Catrina , K Brismar , L Poellinger , T S Pereira	Cell Death & Disease	Vol. 3/Issue 6	Nature Publishing Group (NPG)	United Kingdom	01/06/2012	e322
236	<a href="https://doi.org/10.1073/pnas.1208324109">10.1073/pnas.1208324109</a>	Collaborative interplay between FGF-2 and VEGF-C promotes lymphangiogenesis and metastasis	R. Cao , H. Ji , N. Feng , Y. Zhang , X. Yang , P. Andersson , Y. Sun , K. Tritsaris , A. J. Hansen , S. Dissing , Y. Cao	Proceedings of the National Academy of Sciences of the United States	Vol. 109/Issue 39	National Academy of Sciences	United States	25/09/2012	15894-15899
237	<a href="https://doi.org/10.1016/j.devcel.2012.04.014">10.1016/j.devcel.2012.04.014</a>	MT1-MMP Inactivates ADAM9 to Regulate FGFR2 Signaling and Calvarial Osteogenesis	Kui Ming Chan , Hoi Leong Xavier Wong , Guoxiang Jin , Baohua Liu , Renhai Cao , Yihai Cao , Kaisa Lehti , Karl Tryggvason , Zhongjun Zhou	Developmental Cell	Vol. 22/Issue 6	Cell Press	United States	01/06/2012	1176-1190
238	<a href="https://doi.org/10.1016/j.celrep.2012.07.005">10.1016/j.celrep.2012.07.005</a>	Opposing Effects of Circadian Clock Genes Bmal1 and Period2 in Regulation of VEGF-Dependent Angiogenesis in Developing Zebrafish	Lasse Dahl Jensen , Ziquan Cao , Masaki Nakamura , Yunlong Yang , Lars Bräutigam , Patrik Andersson , Yin Zhang , Eric Wahlberg , Toste Länne , Kayoko Hosaka , Yihai Cao	Cell reports	Vol. 2/Issue 2	Elsevier	United States	01/08/2012	231-241
239	<a href="https://doi.org/10.1038/nprot.2012.013">10.1038/nprot.2012.013</a>	Cold-induced activation of brown adipose tissue and adipose angiogenesis in mice	Sharon Lim , Jennifer Honek , Yuan Xue , Takahiro Seki , Ziquan Cao , Patrik Andersson , Xiaojuan Yang , Kayoko Hosaka , Yihai Cao	Nature Protocols	Vol. 7/Issue 3	Nature Publishing Group	United Kingdom	01/03/2012	606-615



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
240	<a href="#">10.4161/cc.23596</a>	Clock controls angiogenesis	Lasse Dahl Jensen , Yihai Cao	Cell Cycle	Vol. 12/Issue 3	Landes Bioscience	United States	01/02/2013	405-408
241	<a href="#">10.1073/pnas.1209310110</a>	Tumor cell-derived placental growth factor sensitizes antiangiogenic and antitumor effects of anti-VEGF drugs	E.-M. E. Hedlund , X. Yang , Y. Zhang , Y. Yang , M. Shibuya , W. Zhong , B. Sun , Y. Liu , K. Hosaka , Y. Cao	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 2	National Academy of Sciences	United States	08/01/2013	654-659
242	<a href="#">10.1016/j.tem.2012.10.007</a>	Erythropoietin in cancer: a dilemma in risk therapy	Yihai Cao	Trends in Endocrinology and Metabolism	Vol. 24/Issue 4	Elsevier Inc.	United States	01/04/2013	190-199
243	<a href="#">10.1371/journal.pone.0045708</a>	Cooperativity of Stress-Responsive Transcription Factors in Core Hypoxia-Inducible Factor Binding Regions	Diego Villar , Amaya Ortiz-Barahona , Laura Gómez-Maldonado , Nuria Pescador , Fátima Sánchez-Cabo , Hubert Hackl , Benjamin A. T. Rodriguez , Zlatko Trajanoski , Ana Dopazo , Tim H. M. Huang , Pearily S. Yan , Luis del Peso	PLoS One	Vol. 7/Issue 9	Public Library of Science	United States	24/09/2012	e45708
244	<a href="#">10.1093/nar/qrk842</a>	A role for insulator elements in the regulation of gene expression response to hypoxia	M. Tiana , D. Villar , E. Perez-Guijarro , L. Gomez-Maldonado , E. Molto , A. Fernandez-Minan , J. L. Gomez-Skarmeta , L. Montoliu , L. del Peso	Nucleic Acids Research	Vol. 40/Issue 5	Oxford University Press	United Kingdom	01/03/2012	1916-1927
245	<a href="#">10.1038/srep00788</a>	Autocrine stimulation of clear-cell renal carcinoma cell migration in hypoxia via HIF-independent suppression of thrombospondin-1	Raquel Bienes-Martínez , Angel Ordóñez , Mónica Feijoo-Cuaresma , María Corral-Escariz , Gloria Mateo , Olga Stenina , Benilde Jiménez , María J. Calzada	Scientific Reports	Vol. 2	Nature Publishing Group	United Kingdom	09/11/2012	?
246	<a href="#">10.2174/092986712802002554</a>	AG490 Promotes HIF-1 $\alpha$ ; Accumulation by Inhibiting Its Hydroxylation	R. Fernandez-Sanchez , S. Berzal , Maria-Dolores Sanchez-Nino , F. Neria , S. Goncalves , O. Calabia , A. Tejedor , M. J. Calzada , C. Caramelo , J. J.P. Deudero , A. Ortiz	Current Medicinal Chemistry	Vol. 19/Issue 23	Bentham Science Publishers B.V.	Netherlands	01/07/2012	4014-4023
247	<a href="#">10.1182/blood-2011-08-375014</a>	GSK-3 regulates cell growth, migration, and angiogenesis via Fbw7 and USP28-dependent degradation of HIF-1	D. Flugel , A. Grolach , T. Kietzmann	Blood	Vol. 119/Issue 5	American Society of Hematology	United States	02/02/2012	1292-1301
248	<a href="#">10.1007/s00109-012-0963-3</a>	NADPH oxidases as a source of oxidative stress and molecular target in ischemia/reperfusion injury	Pamela W. M. Kleikers , K. Wingler , J. J. R. Hermans , I. Diebold , S. Altenhöfer , K. A. Radermacher , B. Janssen , A. Görlach , H. H. W. Schmidt	Journal of Molecular Medicine	Vol. 90/Issue 12	Springer Verlag	Germany	01/12/2012	1391-1406
249	<a href="#">10.1242/jcs.094060</a>	The HIF1 target gene NOX2 promotes angiogenesis through urotensin-II	I. Diebold , A. Petry , K. Sabrane , T. Djordjevic , J. Hess , A. Grolach	Journal of Cell Science	Vol. 125/Issue 4	Company of Biologists Ltd	United Kingdom	15/02/2012	956-964
250	<a href="#">10.1038/onc.2011.522</a>	The unfolded protein response controls induction and activation of ADAM17/TACE by severe hypoxia and ER stress	T Rzymiski , A Petry , D Kračun , F Rieß , L Pike , A L Harris , A Görlach	Oncogene	Vol. 31/Issue 31	Nature Publishing Group	United Kingdom	02/08/2012	3621-3634
251	<a href="#">10.1158/1541-7786.MCR-11-0524</a>	STEAP1 Is Associated with the Invasive and Oxidative Stress Phenotype of Ewing Tumors	T. G. P. Grunewald , I. Diebold , I. Esposito , S. Plehm , K. Hauer , U. Thiel , P. da Silva-Buttkus , F. Neff , R. Unland , C. Muller-Tidow , C. Zobywalski , K. Lohrig , U. Lewandrowski , A. Sickmann , O. P. da Costa , A. Grolach , A. Cossarizza , E. Butt , G. H. S. Richter , S. Burdach	Molecular Cancer Research	Vol. 10/Issue 1	American Association for Cancer Research Inc.	United States	01/01/2012	52-65

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
252	<a href="#">10.1016/j.iprot.2012.04.003</a>	Accounting for biological variation in differential display two-dimensional electrophoresis experiments	Cristina-Maria Valcu, Katharina Reger, Johanna Ebner, Agnes Görlach	Journal of Proteomics	Vol. 75/Issue 12	Elsevier	Netherlands	01/06/2012	3585-3591
253	<a href="#">10.1160/TH12-04-0277</a>	Inhibition of endothelial nitric oxide synthase increases capillary formation via Rac1-dependent induction of hypoxia-inducible factor-1α and plasminogen activator inhibitor-1	A. Petry, R. S. BelAiba, M. Weitnauer, A. Görlach	Thrombosis and Haemostasis	Vol. 108/Issue 5	Schattauer GmbH	Germany	01/01/2012	849-862
254	<a href="#">10.1002/icp.24346</a>	Hypoxia promotes tumor cell survival in acidic conditions by preserving ATP levels	Scott K. Parks, Nathalie M. Mazure, Laurent Counillon, Jacques Pouyssegur	Journal of Cellular Physiology	Vol. 228/Issue 9	Wiley-Liss Inc.	United States	01/09/2013	1854-1862
255	<a href="#">10.3389/fonc.2012.00199</a>	Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis	Jérôme Doyen, Scott K. Parks, Serge Marcié, Jacques Pouyssegur, Johanna Chiche	Frontiers in Oncology	Vol. 2/Article 199	Frontiers journals	USA	07/01/2013	1-10
256	<a href="#">10.3389/fonc.2012.00018</a>	Glycogen Synthesis is Induced in Hypoxia by the Hypoxia-Inducible Factor and Promotes Cancer Cell Survival	Joffrey Pelletier, Grégory Bellot, Pierre Gounon, Sandra Lacas-Gervais, Jacques Pouyssegur, Nathalie M. Mazure	Frontiers in Oncology	Vol. 2, Article 18	Frontiers journals	USA	28/02/2012	1-9
257	<a href="#">10.1158/0008-5472.CAN-11-3940</a>	Expression of a Truncated Active Form of VDAC1 in Lung Cancer Associates with Hypoxic Cell Survival and Correlates with Progression to Chemotherapy Resistance	M. C. Brahimi-Horn, D. Ben-Hail, M. Ilie, P. Gounon, M. Rouleau, V. Hofman, J. Doyen, B. Mari, V. Shoshan-Barmatz, P. Hofman, J. Pouyssegur, N. M. Mazure	Cancer Research	Vol. 72/Issue 8	American Association for Cancer Research Inc.	United States	15/04/2012	2140-2150
258	<a href="#">10.1002/ijc.26125</a>	In vivo pH in metabolic-defective Ras-transformed fibroblast tumors: Key role of the monocarboxylate transporter, MCT4, for inducing an alkaline intracellular pH	Johanna Chiche, Yann Le Fur, Christophe Vilmen, Frédéric Frassinetti, Laurent Daniel, Andrew P. Halestrap, Patrick J. Cozzone, Jacques Pouyssegur, Norbert W. Lutz	International Journal of Cancer	Vol. 130/Issue 7	Wiley-Liss Inc.	United States	01/04/2012	1511-1520
259	<a href="#">10.1038/onc.2011.471</a>	The asparaginyl hydroxylase factor-inhibiting HIF is essential for tumor growth through suppression of the p53-p21 axis	J Pelletier, F Dayan, J Durivault, K Ilc, E Pécou, J Pouyssegur, N M Mazure	Oncogene	Vol. 31/Issue 24	Nature Publishing Group	United Kingdom	14/06/2012	2989-3001
260	<a href="#">10.1002/cite.201200129</a>	Pre-Calibrated Biosensors for Single-Use Applications	Isabella Moser, Gerhard Jobst	Chemie-Ingenieur-Technik	Vol. 85/Issue 1-2	Wiley-VCH Verlag	Germany	01/02/2013	172-178
261	<a href="#">10.4161/cam.23257</a>	Carbonic anhydrase IX: A hypoxia-controlled "catalyst" of cell migration	Eliska Svastova, Silvia Pastorekova	Cell Adhesion and Migration	Vol. 7/Issue 2	Landes Bioscience	United States	01/03/2013	226-231
262	<a href="#">10.3892/or.2013.2226</a>	Suppression of carbonic anhydrase IX leads to aberrant focal adhesion and decreased invasion of tumor cells	Juraj Kopacek	Oncology Reports	Vol 29	Spandidos Publications	Greece	04/01/2013	1147-1153
263		Carbonic anhydrase IX is a clinically significant tissue and serum biomarker associated with renal cell carcinoma	Takacova M, Bartosova M, Skvarkova L, Zatovicova M, Vidlickova I, Csaderova L, Barathova M, Breza J Jr., Bujdak P, Pastorek J, Breza J Sr., Pastorekova S.	Oncology Letters	Vol 5/Issue 1	Spandidos Publications		01/01/2013	191-197
264	<a href="#">10.1074/jbc.M111.286062</a>	Carbonic Anhydrase IX Interacts with Bicarbonate Transporters in Lamellipodia and Increases Cell Migration via Its Catalytic Domain	E. Svastova, W. Witariski, L. Csaderova, I. Kosik, L. Skvarkova, A. Hulikova, M. Zatovicova, M. Barathova, J. Kopacek, J. Pastorek, S. Pastorekova	Journal of Biological Chemistry	Vol. 287/Issue 5	American Society for Biochemistry and Molecular Biology Inc.	United States	27/01/2012	3392-3402
265	<a href="#">10.1073/pnas.1210633110</a>	PERK/eIF2 signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS	K. M. Rouschop, L. J. Dubois, T. G. Keulers, T. van den Beucken, P. Lambin, J. Bussink, A. J. van der Kogel, M. Koritzinsky, B. G. Wouters	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 12	National Academy of Sciences	United States	19/03/2013	4622-4627
266	<a href="#">10.1186/gm385</a>	Exploiting the noise: improving biomarkers with ensembles of data analysis methodologies	Maud HW Starmans, Melania Pintilie, Thomas John, Sandy D Der, Frances A Shepherd, Igor Jurisica, Philippe Lambin, Ming-Sound Tsao, Paul C Boutros	Genome Medicine	Vol. 4/Issue 11	BioMed Central	United Kingdom	01/01/2012	84

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
267	<a href="https://doi.org/10.1016/j.radonc.2012.02.002">10.1016/j.radonc.2012.02.002</a>	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer	Maud H.W. Starmans , Kenneth C. Chu , Syed Haider , Francis Nguyen , Renaud Seigneuric , Michael G. Magagnin , Marianne Koritzinsky , Arek Kasprzyk , Paul C. Boutros , Bradly G. Wouters , Philippe Lambin	Radiotherapy and Oncology	Vol. 102/Issue 3	Elsevier Ireland Ltd	Ireland	01/03/2012	436-443
268	<a href="https://doi.org/10.1186/1748-717X-7-75">10.1186/1748-717X-7-75</a>	Vascular responses to radiotherapy and androgen-deprivation therapy in experimental prostate cancer	Kathrine Røe , Lars TG Mikalsen , Albert J van der Kogel , Johan Bussink , Heidi Lyng , Anne H Ree , Laure Marignol , Dag R Olsen	Radiation Oncology	Vol. 7/Issue 1	BioMed Central	United Kingdom	01/01/2012	75
269	<a href="https://doi.org/10.1371/journal.pone.0050806">10.1371/journal.pone.0050806</a>	Tumor Phosphatidylinositol-3-Kinase Signaling and Development of Metastatic Disease in Locally Advanced Rectal Cancer	Anne Hansen Ree , Annette Torgunrud Kristensen , Marie Grøn Saelen , Rik de Wijn , Hege Edvardsen , Jovana Jovanovic , Torveig Weum Abrahamsen , Svein Dueland , Kjersti Flatmark	PLoS One	Vol. 7/Issue 11	Public Library of Science	United States	30/11/2012	e50806
270	<a href="https://doi.org/10.1186/1748-717X-7-165">10.1186/1748-717X-7-165</a>	Radiosensitization by the histone deacetylase inhibitor vorinostat under hypoxia and with capecitabine in experimental colorectal carcinoma	Marie Saelen , Anne Ree , Alexandr Kristian , Karianne Fleten , Torbjørn Furre , Helga Hektoen , Kjersti Flatmark	Radiation Oncology	Vol. 7/Issue 1	BioMed Central	United Kingdom	01/01/2012	165
271	<a href="https://doi.org/10.1016/j.radonc.2009.08.026">10.1016/j.radonc.2009.08.026</a>	Can hypoxia-PET map hypoxic cell density heterogeneity accurately in an animal tumor model at a clinically obtainable image contrast?	Morten Busk , Michael R. Horsman , Steen Jakobsen , Kim V. Hansen , Johan Bussink , Albert van der Kogel , Jens Overgaard	Radiotherapy and Oncology	Vol. 92/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2009	429-436
272	<a href="https://doi.org/10.1093/irr/rrt061">10.1093/irr/rrt061</a>	The role of nitric oxide radicals in removal of hyper-radiosensitivity by priming irradiation	N. J. Edin , J. A. Sandvik , H. S. Vollaen , K. Reger , A. Gorlach , E. O. Pettersen	Journal of Radiation Research	Vol. 54/Issue 6	Japan Radiation Research Society	Japan	01/11/2013	1015-1028
273	<a href="https://doi.org/10.1111/cpr.12041">10.1111/cpr.12041</a>	Oxygen consumption in T-47D cells immobilized in alginate	B. E. Larsen , J. A. Sandvik , J. Karlsen , E. O. Pettersen , J. E. Melvik	Cell Proliferation	Vol. 46/Issue 4	Blackwell Publishing	United Kingdom	01/08/2013	469-481
274	<a href="https://doi.org/10.1111/j.1365-2184.2013.12089.x">10.1111/j.1365-2184.2013.12089.x</a>	Pericellular oxygen monitoring with integrated sensor chips for reproducible cell culture experiments	J. Kieninger , K. Aravindalochanan , J. A. Sandvik , E. O. Pettersen , G. A. Urban	Cell Proliferation	Vol. 47/Issue 2	Blackwell Publishing	United Kingdom	01/04/2014	180-188
275	<a href="https://doi.org/10.3109/09553002.2014.906767">10.3109/09553002.2014.906767</a>	The roles of TGF-β3 and peroxynitrite in removal of hyper-radiosensitivity by priming irradiation	Nina Jeppesen Edin , Joe Alexander Sandvik , Chang Cheng , Linda Bergersen , Erik Olai Pettersen	International Journal of Radiation Biology	Vol. 90/Issue 7	Informa Healthcare	United Kingdom	01/07/2014	527-537
276	<a href="https://doi.org/10.1038/nrclinonc.2012.196">10.1038/nrclinonc.2012.196</a>	Predicting outcomes in radiation oncology—multifactorial decision support systems	Philippe Lambin , Ruud G. P. M. van Stiphout , Maud H. W. Starmans , Emmanuel Rios-Velazquez , Georgi Nalbantov , Hugo J. W. L. Aerts , Erik Roelofs , Wouter van Elmpt , Paul C. Boutros , Pierluigi Granone , Vincenzo Valentini , Adrian C. Begg , Dirk De Ruyscher , Andre Dekker	Nature Reviews Clinical Oncology	Vol. 10/Issue 1	Nature Publishing Group	United Kingdom	20/11/2012	27-40
277	<a href="https://doi.org/10.1016/j.radonc.2012.09.019">10.1016/j.radonc.2012.09.019</a>	Benefits of a clinical data warehouse with data mining tools to collect data for a radiotherapy trial	Erik Roelofs , Lucas Persoon , Sebastiaan Nijsten , Wolfgang Wiessler , André Dekker , Philippe Lambin	Radiotherapy and Oncology	Vol. 108/Issue 1	Elsevier Ireland Ltd	Ireland	01/07/2013	174-179
278	<a href="https://doi.org/10.1016/j.radonc.2013.06.018">10.1016/j.radonc.2013.06.018</a>	Targeting carbonic anhydrase IX by nitroimidazole based sulfamides enhances the therapeutic effect of tumor irradiation: A new concept of dual targeting drugs	Ludwig Dubois , Sarah G.J.A. Peeters , Simon J.A. van Kuijk , Ala Yaromina , Natasja G. Lieuwes , Ruchi Saraya , Rianne Biemans , Marouan Rami , Nanda Kumar Parvathaneni , Daniela Vullo , Marc Vooijs , Claudiu T. Supuran , Jean-Yves Winum , Philippe Lambin	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	523-528
279	<a href="https://doi.org/10.1016/j.radonc.2013.03.023">10.1016/j.radonc.2013.03.023</a>	Phase I trial of the combination of the Akt inhibitor nelfinavir and chemoradiation for locally advanced rectal cancer	Jeroen Buijsen , Guido Lammering , Rob L.H. Jansen , Geerard L. Beets , Jaap Wals , Meindert Sosef , Marien O. Den Boer , Jeroen Leijtens , Robert G. Riedl , Jan Theys , Philippe Lambin	Radiotherapy and Oncology	Vol. 107/Issue 2	Elsevier Ireland Ltd	Ireland	01/05/2013	184-188

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
280	<a href="https://doi.org/10.1021/jm4009532">10.1021/jm4009532</a>	Hypoxia-Targeting Carbonic Anhydrase IX Inhibitors by a New Series of Nitroimidazole-Sulfonamides/Sulfamides/Sulfamates	Marouan Rami , Ludwig Dubois , Nanda-Kumar Parvathaneni , Vincenzo Alterio , Simon J. A. van Kuijk , Simona Maria Monti , Philippe Lambin , Giuseppina De Simone , Claudiu T. Supuran , Jean-Yves Winum	Journal of Medicinal Chemistry	Vol. 56/Issue 21	American Chemical Society	United States	14/11/2013	8512-8520
281	<a href="https://doi.org/10.1073/pnas.1210633110">10.1073/pnas.1210633110</a>	PERK/eIF2 signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS	K. M. Rouschop , L. J. Dubois , T. G. Keulers , T. van den Beucken , P. Lambin , J. Bussink , A. J. van der Kogel , M. Koritzinsky , B. G. Wouters	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 12	National Academy of Sciences	United States	19/03/2013	4622-4627
282	<a href="https://doi.org/10.1016/j.radonc.2013.08.032">10.1016/j.radonc.2013.08.032</a>	Characterization of tumor heterogeneity using dynamic contrast enhanced CT and FDG-PET in non-small cell lung cancer	Wouter van Elmpt , Marco Das , Martin Hüllner , Hoda Sharifi , Catharina M.L. Zegers , Bart Reymen , Philippe Lambin , Joachim E. Wildberger , Esther G.C. Troost , Patrick Veit-Haibach , Dirk De Ruysscher	Radiotherapy and Oncology	Vol. 109/Issue 1	Elsevier Ireland Ltd	Ireland	01/10/2013	65-70
283	<a href="https://doi.org/10.3109/0284186X.2013.812798">10.3109/0284186X.2013.812798</a>	Stability of FDG-PET Radiomics features: An integrated analysis of test-retest and inter-observer variability	Ralph T. H. Leijenaar , Sara Carvalho , Emmanuel Rios Velazquez , Wouter J. C. van Elmpt , Chintan Parmar , Otto S. Hoekstra , Corneline J. Hoekstra , Ronald Boellaard , André L. A. J. Dekker , Robert J. Gillies , Hugo J. W. L. Aerts , Philippe Lambin	Acta Oncologica	Vol. 52/Issue 7	Informa Healthcare	United Kingdom	01/10/2013	1391-1397
284	<a href="https://doi.org/10.3109/0284186X.2013.812795">10.3109/0284186X.2013.812795</a>	Prognostic value of metabolic metrics extracted from baseline positron emission tomography images in non-small cell lung cancer	Sara Carvalho , Ralph T. H. Leijenaar , Emmanuel Rios Velazquez , Cary Oberije , Chintan Parmar , Wouter van Elmpt , Bart Reymen , Esther G. C. Troost , Michel Oellers , Andre Dekker , Robert Gillies , Hugo J. W. L. Aerts , Philippe Lambin	Acta Oncologica	Vol. 52/Issue 7	Informa Healthcare	United Kingdom	01/10/2013	1398-1404
285	<a href="https://doi.org/10.1016/j.radonc.2013.08.035">10.1016/j.radonc.2013.08.035</a>	Cardiac comorbidity is an independent risk factor for radiation-induced lung toxicity in lung cancer patients	Georgi Nalbantov , Bas Kietselaer , Katrien Vandecasteele , Cary Oberije , Maaike Berbee , Esther Troost , Anne-Marie Dingemans , Angela van Baardwijk , Kim Smits , André Dekker , Johan Bussink , Dirk De Ruysscher , Yolande Lievens , Philippe Lambin	Radiotherapy and Oncology	Vol. 109/Issue 1	Elsevier Ireland Ltd	Ireland	01/10/2013	100-106
286	<a href="https://doi.org/10.1016/j.radonc.2013.08.031">10.1016/j.radonc.2013.08.031</a>	Hypoxia imaging with [18F]HX4 PET in NSCLC patients: Defining optimal imaging parameters	Catharina M.L. Zegers , Wouter van Elmpt , Roel Wiert , Bart Reymen , Hoda Sharifi , Michel C. Ollers , Frank Hoebbers , Esther G.C. Troost , Rinus Wanders , Angela van Baardwijk , Boudewijn Brans , Jonas Eriksson , Bert Windhorst , Felix M. Mottaghy , Dirk De Ruysscher , Philippe Lambin	Radiotherapy and Oncology	Vol. 109/Issue 1	Elsevier Ireland Ltd	Ireland	01/10/2013	58-64
287	<a href="https://doi.org/10.1016/j.radonc.2013.07.007">10.1016/j.radonc.2013.07.007</a>	'Rapid Learning health care in oncology' – An approach towards decision support systems enabling customised radiotherapy'	Philippe Lambin , Erik Roelofs , Bart Reymen , Emmanuel Rios Velazquez , Jeroen Buijsen , Catharina M.L. Zegers , Sara Carvalho , Ralph T.H. Leijenaar , Georgi Nalbantov , Cary Oberije , M. Scott Marshall , Frank Hoebbers , Esther G.C. Troost , Ruud G.P.M. van Stiphout , Wouter van Elmpt , Trudy van der Weijden , Liesbeth Boersma , Vincenzo Valentini , Andre Dekker	Radiotherapy and Oncology	Vol. 109/Issue 1	Elsevier Ireland Ltd	Ireland	01/10/2013	159-164



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
288	<a href="https://doi.org/10.1038/srep03529">10.1038/srep03529</a>	Volumetric CT-based segmentation of NSCLC using 3D-Slicer	Emmanuel Rios Velazquez , Chintan Parmar , Mohammed Jermoumi , Raymond H. Mak , Angela van Baardwijk , Fiona M. Fennessy , John H. Lewis , Dirk De Ruyscher , Ron Kikinis , Philippe Lambin , Hugo J. W. L. Aerts	Scientific Reports	Vol. 3	Nature Publishing Group	United Kingdom	18/12/2013	3529
289	<a href="https://doi.org/10.1016/j.radonc.2013.11.001">10.1016/j.radonc.2013.11.001</a>	International data-sharing for radiotherapy research: An open-source based infrastructure for multicentric clinical data mining	Erik Roelofs , André Dekker , Elisa Meldolesi , Ruud G.P.M. van Stiphout , Vincenzo Valentini , Philippe Lambin	Radiotherapy and Oncology	Vol. 110/Issue 2	Elsevier Ireland Ltd	Ireland	01/02/2014	370-374
290	<a href="https://doi.org/10.1186/1471-2407-14-130">10.1186/1471-2407-14-130</a>	Systematic analysis of 18F-FDG PET and metabolism, proliferation and hypoxia markers for classification of head and neck tumors	Bianca AW Hoebe , Maud HW Starmans , Ralph TH Leijenaar , Ludwig J Dubois , Albert J van der Kogel , Johannes HAM Kaanders , Paul C Boutros , Philippe Lambin , Johan Bussink	BMC Cancer	Vol. 14/Issue 1	BioMed Central	United Kingdom	01/01/2014	130
291	<a href="https://doi.org/10.1186/1471-2105-15-170">10.1186/1471-2105-15-170</a>	Ensemble analyses improve signatures of tumour hypoxia and reveal inter-platform differences	Natalie S Fox , Maud HW Starmans , Syed Haider , Philippe Lambin , Paul C Boutros	BMC Bioinformatics	Vol. 15/Issue 1	BioMed Central	United Kingdom	01/01/2014	170
292	<a href="https://doi.org/10.1371/journal.pone.0102107">10.1371/journal.pone.0102107</a>	Robust Radiomics Feature Quantification Using Semiautomatic Volumetric Segmentation	Chintan Parmar , Emmanuel Rios Velazquez , Ralph Leijenaar , Mohammed Jermoumi , Sara Carvalho , Raymond H. Mak , Sushmita Mitra , B. Uma Shankar , Ron Kikinis , Benjamin Haibe-Kains , Philippe Lambin , Hugo J. W. L. Aerts	PLoS One	Vol. 9/Issue 7	Public Library of Science	United States	15/07/2014	e102107
293	<a href="https://doi.org/10.1038/ncomms5006">10.1038/ncomms5006</a>	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach	Hugo J. W. L. Aerts , Emmanuel Rios Velazquez , Ralph T. H. Leijenaar , Chintan Parmar , Patrick Grossmann , Sara Carvalho , Johan Bussink , René Monshouwer , Benjamin Haibe-Kains , Derek Rietveld , Frank Hoebbers , Michelle M. Rietbergen , C. René Leemans , Andre Dekker , John Quackenbush , Robert J. Gillies , Philippe Lambin	Nature Communications	Vol. 5	Nature Publishing Group	United Kingdom	03/06/2014	5006
294	<a href="https://doi.org/10.1016/j.radonc.2014.03.006">10.1016/j.radonc.2014.03.006</a>	Blood biomarkers are helpful in the prediction of response to chemoradiation in rectal cancer: A prospective, hypothesis driven study on patients with locally advanced rectal cancer	Jeroen Buijsen , Ruud G. van Stiphout , Paul P.C.A. Menheere , Guido Lammering , Philippe Lambin	Radiotherapy and Oncology	Vol. 111/Issue 2	Elsevier Ireland Ltd	Ireland	01/05/2014	237-242
295	<a href="https://doi.org/10.1016/j.ctrv.2012.08.004">10.1016/j.ctrv.2012.08.004</a>	New strategies for targeting the hypoxic tumour microenvironment in breast cancer	Carol Ward , Simon P. Langdon , Peter Mullen , Adrian L. Harris , David J. Harrison , Claudiu T. Supuran , Ian H. Kunkler	Cancer Treatment Reviews	Vol. 39/Issue 2	W.B. Saunders Ltd	United Kingdom	01/04/2013	171-179
296		An Ex-Vivo Tumour Model Using Core Biopsy Explants Validate Carbonic Anhydrase IX (CAIX) as a Therapeutic Target in Breast Cancer	Ward, C., Meehan, J., Harrison, D. J., Kunkler, I. H. & Langdon, S. P.	Journal of Pathology	Vol. 231/Issue s1	John Wiley and Sons Ltd		01/09/2013	24
297		The Effects of Novel Carbonic Anhydrase Inhibitors on the Proliferation and Invasion of Breast and Ovarian Cancer Cells	Meehan, J.; Ward, C.; Supuran, C.; Langdon, S. P.; Kunkler, I.	Journal of Pathology	Vol. 231 / Issue s1	John Wiley and Sons Ltd		01/09/2013	36
298		Evaluation of Carbonic Anhydrase IX as a Therapeutic Target for Inhibition of Breast Cancer Invasion and Metastasis Using a Series of in vitro Breast Cancer Models	Ward C, James Meehan, Peter Mullen, Claudiu Supuran, J Michael Dixon, Jeremy S Thomas, Jean-Yves Winum Philippe Lambin, Ludwig Dubois, Nanda-Kumar Pavathaneni, Edward J Jarman, Lorna Renshaw, InHwa Um, Charlene Kay, Ian H Kunkler, David J Harrison, Simon P Langdon	Clinical Cancer Research	submitted	American Association for Cancer Research Inc.		01/10/2014	n.a.



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
299	<a href="https://doi.org/10.1002/hed.23569">10.1002/hed.23569</a>	Prognostic value of the proliferation marker Ki-67 in laryngeal carcinoma: Results of the Accelerated Radiotherapy with Carbogen Breathing and Nicotinamide phase III randomized trial	Saskia E. Rademakers , Ilse J. Hoogsteen , Paul F. Rijken , Chris H. Terhaard , Patricia A. Doornaert , Johannes A. Langendijk , Piet van den Ende , Albert J. van der Kogel , Johan Bussink , Johannes H. Kaanders	Head and Neck	-	John Wiley and Sons Inc.	United States	01/02/2014	n/a-n/a
300	<a href="https://doi.org/10.1016/j.radonc.2013.04.022">10.1016/j.radonc.2013.04.022</a>	Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial	Saskia E. Rademakers , Ilse J. Hoogsteen , Paul F. Rijken , Egbert Oostervijk , Chris H. Terhaard , Patricia A. Doornaert , Johannes A. Langendijk , Piet van den Ende , Robert Takes , Remco De Bree , Albert J. van der Kogel , Johan Bussink , Johannes H. Kaanders	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	517-522
301	<a href="https://doi.org/10.1002/hed.23446">10.1002/hed.23446</a>	Hypoxia, metabolism, and growth factor signaling in head and neck squamous cell carcinoma: Correlation between primary and xenograft tumors	Hanneke Stegeman , Saskia E. Rademakers , Paul N. Span , Robert P. Takes , Albert J. van der Kogel , Johannes H.A.M. Kaanders , Johan Bussink	Head and Neck	Vol. 36 / Issue 9	John Wiley and Sons Inc.	United States	01/11/2013	1288-1295
302	<a href="https://doi.org/10.1371/journal.pone.0108068">10.1371/journal.pone.0108068</a>	Tumor Microenvironmental Changes Induced by the Sulfamate Carbonic Anhydrase IX Inhibitor S4 in a Laryngeal Tumor Model	Tineke W. H. Meijer , Johan Bussink , Miriam Zatovicova , Paul N. Span , Jasper Lok , Claudiu T. Supuran , Johannes H. A. M. Kaanders	PLoS One	Vol. 9/Issue 9	Public Library of Science	United States	16/09/2014	e108068
303	<a href="https://doi.org/10.1158/1078-0432.CCR-13-0542">10.1158/1078-0432.CCR-13-0542</a>	A 26-Gene Hypoxia Signature Predicts Benefit from Hypoxia-Modifying Therapy in Laryngeal Cancer but Not Bladder Cancer	A. Eustace , N. Mani , P. N. Span , J. J. Irlam , J. Taylor , G. N. J. Betts , H. Denley , C. J. Miller , J. J. Homer , A. M. Rojas , P. J. Hoskin , F. M. Buffa , A. L. Harris , J. H. A. M. Kaanders , C. M. L. West	Clinical Cancer Research	Vol. 19/Issue 17	American Association for Cancer Research Inc.	United States	01/09/2013	4879-4888
304	<a href="https://doi.org/10.3109/14756366.2012.736979">10.3109/14756366.2012.736979</a>	Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells	Roben G. Gieling , Catriona A. Parker , Lisa A. De Costa , Naomi Robertson , Adrian L. Harris , Ian J. Stratford , Kaye J. Williams	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	360-369
305	<a href="https://doi.org/10.1007/s00109-013-0996-2">10.1007/s00109-013-0996-2</a>	Dichloroacetate reverses the hypoxic adaptation to bevacizumab and enhances its antitumor effects in mouse xenografts	Krishan Kumar , Simon Wigfield , Harriet E. Gee , Cecilia M. Devlin , Dean Singleton , Ji-Liang Li , Francesca Buffa , Melanie Huffman , Anthony L. Sinn , Jayne Silver , Helen Turley , Russell Leek , Adrian L. Harris , Mircea Ivan	Journal of Molecular Medicine	Vol. 91/Issue 6	Springer Verlag	Germany	01/06/2013	749-758
306	<a href="https://doi.org/10.1016/j.ctrv.2012.08.004">10.1016/j.ctrv.2012.08.004</a>	New strategies for targeting the hypoxic tumour microenvironment in breast cancer	Carol Ward , Simon P. Langdon , Peter Mullen , Adrian L. Harris , David J. Harrison , Claudiu T. Supuran , Ian H. Kunkler	Cancer Treatment Reviews	Vol. 39/Issue 2	W.B. Saunders Ltd	United Kingdom	01/04/2013	171-179
307	<a href="https://doi.org/10.1038/onc.2014.200">10.1038/onc.2014.200</a>	EFNA3 long noncoding RNAs induced by hypoxia promote metastatic dissemination	L Gómez-Maldonado , M Tiana , O Roche , A Prado-Cabrero , L Jensen , A Fernandez-Barral , I Guijarro-Muñoz , E Favaro , G Moreno-Bueno , L Sanz , J Aragones , A Harris , O Volpert , B Jimenez , L del Peso	Oncogene	advance online publication	Nature Publishing Group	United Kingdom	14/07/2014	-
308	<a href="https://doi.org/10.1007/s00259-012-2258-x">10.1007/s00259-012-2258-x</a>	PET hypoxia imaging with FAZA: reproducibility at baseline and during fractionated radiotherapy in tumour-bearing mice	M. Busk , L. S. Mortensen , M. Nordmark , J. Overgaard , S. Jakobsen , K. V. Hansen , J. Theil , J. F. Kallehauge , F. P. D'Andrea , T. Steiniche , M. R. Horsman	European Journal of Nuclear Medicine and Molecular Imaging	Vol. 40/Issue 2	Springer Verlag	Germany	01/01/2013	186-197
309	<a href="https://doi.org/10.3109/0284186X.2013.815797">10.3109/0284186X.2013.815797</a>	PET imaging of tumor hypoxia using	Morten Busk , Steen Jakobsen , Michael R. Horsman , Lise S. Mortensen , Ane B. Iversen , Jens Overgaard , Marianne Nordmark , Xiaosheng Ji , David Y. Lee , James R. Raleigh	Acta Oncologica	Vol. 52/Issue 7	Informa Healthcare	United Kingdom	01/10/2013	1300-1307
310		Relevance of hypoxia in radiation oncology: pathophysiology, tumor biology and implications for treatment	Busk M, Horsman MR. Horsman MR	Quarterly Journal of Nuclear Medicine and Molecular Imaging	Vol. 57/Issue 3	Edizioni Minerva Medica S.p.A.		01/09/2013	219-234

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
311	<a href="#">10.1016/j.radonc.2013.06.011</a>	Radiosensitivity and effect of hypoxia in HPV positive head and neck cancer cells	Brita Singers Sørensen , Morten Busk , Nadine Olthof , Ernst-Jan Speel , Michael R. Horsman , Jan Alsner , Jens Overgaard	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	500-505
312	<a href="#">10.3109/0284186X.2013.824608</a>	Ultra-high field	Thomas Nielsen , Niels Chr. Nielsen , Thomas H. Holm , Leif Østergaard , Michael R. Horsman , Morten Busk	Acta Oncologica	Vol. 52/Issue 7	Informa Healthcare	United Kingdom	01/10/2013	1287-1292
313	<a href="#">10.3109/0284186X.2013.818247</a>	Hypoxia-regulated gene expression and prognosis in loco-regional gastroesophageal cancer	Mette Winther , Jan Alsner , Trine Tramm , Marianne Nordsmark	Acta Oncologica	Vol. 52/Issue 7	Informa Healthcare	United Kingdom	01/10/2013	1327-1335
314	<a href="#">10.1111/cpr.12041</a>	Oxygen consumption in T-47D cells immobilized in alginate	B. E. Larsen , J. A. Sandvik , J. Karlén , E. O. Pettersen , J. E. Melvik	Cell Proliferation	Vol. 46/Issue 4	Blackwell Publishing	United Kingdom	01/08/2013	469-481
315	<a href="#">10.1089/ten.TEA.2013.0223</a>	In situ gelation for cell immobilization and culture in alginate foam scaffolds	Therese Andersen , Christine Markussen , Michael Dornish , Helene Heier-Baardson , Jan Egil Melvik , Eben Alsberg , Bjørn E. Christensen	Tissue Engineering - Part A.	Epub	Mary Ann Liebert Inc.	United States	28/11/2013	131128071850006
316	<a href="#">10.1158/1535-7163.MCT-12-0905</a>	[18F]-FLT Positron Emission Tomography Can Be Used to Image the Response of Sensitive Tumors to PI3-Kinase Inhibition with the Novel Agent GDC-0941	C. Cavthorne , N. Burrows , R. G. Gieling , C. J. Morrow , D. Forster , J. Gregory , M. Radigois , A. Smigova , M. Babur , K. Simpson , C. Hodgkinson , G. Brown , A. McMahon , C. Dive , D. Hiscock , I. Wilson , K. J. Williams	Molecular Cancer Therapeutics	Vol. 12/Issue 5	American Association for Cancer Research Inc.	United States	01/05/2013	819-828
317	<a href="#">10.3109/14756366.2012.736979</a>	Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells	Roben G. Gieling , Catriona A. Parker , Lisa A. De Costa , Naomi Robertson , Adrian L. Harris , Ian J. Stratford , Kaye J. Williams	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	360-369
318	<a href="#">10.1016/j.bmc.2012.09.062</a>	Carbonic anhydrase IX as a target for metastatic disease	Roben G. Gieling , Kaye J. Williams	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1470-1476
319	<a href="#">10.1021/jm300529u</a>	Antimetastatic Effect of Sulfamate Carbonic Anhydrase IX Inhibitors in Breast Carcinoma Xenografts	Roben G. Gieling , Muhammad Babur , Lupti Mamnani , Natalie Burrows , Brian A. Telfer , Fabrizio Carta , Jean-Yves Winum , Andrea Scozzafava , Claudiu T. Supuran , Kaye J. Williams	Journal of Medicinal Chemistry	Vol. 55/Issue 11	American Chemical Society	United States	14/06/2012	5591-5600
320	<a href="#">10.1016/j.clon.2014.02.002</a>	The Meaning, Measurement and Modification of Hypoxia in the Laboratory and the Clinic	E.M. Hammond , M.-C. Asselin , D. Forster , J.P.B. O'Connor , J.M. Senra , K.J. Williams	Clinical Oncology	Vol. 26/Issue 5	W.B. Saunders Ltd	United Kingdom	01/05/2014	277-288
321	<a href="#">10.1016/j.radonc.2013.06.027</a>	Inhibiting the phosphatidylinositolide 3-kinase pathway blocks radiation-induced metastasis associated with Rho-GTPase and Hypoxia-inducible factor-1 activity	Natalie Burrows , Brian Telfer , Georg Brabant , Kaye J. Williams	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	548-553
322	<a href="#">10.3109/14756366.2011.643303</a>	Carbonic anhydrase inhibitors:	Derya Ekinci , Lutfi Karagoz , Deniz Ekinci , Murat Senturk , Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	283-288
323	<a href="#">10.3109/14756366.2012.658788</a>	Secondary/tertiary benzenesulfonamides with inhibitory action against the cytosolic human carbonic anhydrase isoforms I and II	Cemalettin Alp , Alfonso Maresca , Nurdan Alcan Alp , Mehmet Sarder Gültekin , Deniz Ekinci , Andrea Scozzafava , Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	294-298
324	<a href="#">10.3109/14756366.2011.645539</a>	Dihalogenated sulfanilamides and benzolamides are effective inhibitors of the three $\beta$ -class carbonic anhydrases from	Alfonso Maresca , Andrea Scozzafava , Daniela Vullo , Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	384-387
325	<a href="#">10.3109/14756366.2011.649268</a>	Inhibition of the alpha- and beta-carbonic anhydrases from the gastric pathogen	Alfonso Maresca , Daniela Vullo , Andrea Scozzafava , Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	388-391
326	<a href="#">10.3109/14756366.2011.650168</a>	Inhibition of the $\beta$ -class carbonic anhydrases from	Alfonso Maresca , Daniela Vullo , Andrea Scozzafava , Gheorghe Manole , Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	392-396

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
327	<a href="#">10.3109/14756366.2011.650692</a>	Metronidazole-coumarin conjugates and 3-cyano-7-hydroxy-coumarin act as isoform-selective carbonic anhydrase inhibitors	Adeline Bonneau, Alfonso Maresca, Jean-Yves Winum, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	397-401
328	<a href="#">10.3109/14756366.2011.641015</a>	Dithiocarbamates strongly inhibit the $\beta$ -class carbonic anhydrases from	Alfonso Maresca, Fabrizio Carta, Daniela Vullo, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	407-411
329	<a href="#">10.3109/14756366.2011.651464</a>	Analysis of saponins and phenolic compounds as inhibitors of $\alpha$ -carbonic anhydrase isoenzymes	Ömer Koz, Deniz Ekinci, Angela Perrone, Sonia Piacente, Özgen Alankuş-Çalışkan, Erdal Bedir, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 28/Issue 2	Informa Healthcare	United Kingdom	01/04/2013	412-417
330	<a href="#">10.3109/14756366.2012.747197</a>	Biochemical properties of a new	Sonia Del Prete, Viviana De Luca, Andrea Scozzafava, Vincenzo Carginale, Claudiu T. Supuran, Clemente Capasso	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 29/Issue 1	Informa Healthcare	United Kingdom	01/02/2014	23-27
331	<a href="#">10.3109/14756366.2013.777334</a>	Novel coumarins and benzocoumarins acting as isoform-selective inhibitors against the tumor-associated carbonic anhydrase IX	Aditi Sharma, Meena Tiwari, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 29/Issue 2	Informa Healthcare	United Kingdom	01/04/2014	292-296
332	<a href="#">10.3109/14756366.2013.787422</a>	Sulfa and trimethoprim-like drugs – antimetabolites acting as carbonic anhydrase, dihydropteroate synthase and dihydrofolate reductase inhibitors	Clemente Capasso, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 29/Issue 3	Informa Healthcare	United Kingdom	01/06/2014	379-387
333	<a href="#">10.3109/14756366.2013.804072</a>	Inhibition of mammalian carbonic anhydrases I-XIV with grayanotoxin III: solution and in silico studies	Serdar Durdagi, Gabriele Scozzafava, Daniela Vullo, Hüseyin Sahin, Sevgi Kolayli, Claudiu T. Supuran	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 29/Issue 4	Informa Healthcare	United Kingdom	01/08/2014	469-475
334		Carbonic anhydrase inhibitors. Phenols incorporating 2- or 3-pyridyl-ethenylcarbonyl and tertiary amine moieties strongly inhibit <i>Saccharomyces cerevisiae</i> $\beta$ -carbonic anhydrase	S. Bilginer, E. Unluer, H.I. Gul, E. Mete, S. Isik, D. Vullo, S. Beyaztas, O. Ozensoy-Guler, C. Capasso, C.T. Supuran,	Journal of Enzyme Inhibition and Medicinal Chemistry	Vol. 29	Informa Healthcare		01/08/2014	495-499
335	<a href="#">10.1016/j.bmc.2012.06.053</a>	Effect of sulfonamides as carbonic anhydrase VA and VB inhibitors on mitochondrial metabolic energy conversion	Robert L. Arechederra, Abdul Waheed, William S. Sly, Claudiu T. Supuran, Shelley D. Minter	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1544-1548
336	<a href="#">10.1016/j.bmc.2012.05.037</a>	Superacid synthesis of halogen containing N-substituted-4-aminobenzene sulfonamides: New selective tumor-associated carbonic anhydrase inhibitors	Guillaume Compain, Agnès Martin-Mingot, Alfonso Maresca, Sebastian Thibaudeau, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1555-1563
337	<a href="#">10.1016/j.bmc.2012.05.019</a>	Mono-/dihydroxybenzoic acid esters and phenol pyridinium derivatives as inhibitors of the mammalian carbonic anhydrase isoforms I, II, VII, IX, XII and XIV	Fabrizio Carta, Daniela Vullo, Alfonso Maresca, Andrea Scozzafava, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1564-1569
338	<a href="#">10.1016/j.bmc.2012.05.053</a>	Carbonic anhydrase regulation and CO <sub>2</sub> sensing in the fungal pathogen <i>Candida glabrata</i> involves a novel Rca1p ortholog	Fabien Cottier, Worraanong Leewattanasakul, Laura R. Kemp, Mariana Murphy, Claudiu T. Supuran, Oliver Kurzai, Fritz A. Mühlischlegel	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1549-1554
339	<a href="#">10.1016/j.bmc.2012.07.024</a>	The alpha-carbonic anhydrase from the thermophilic bacterium <i>Sulfolobus solfataricus</i> is highly susceptible to inhibition by sulfonamides	Daniela Vullo, Viviana De Luca, Andrea Scozzafava, Vincenzo Carginale, Mosè Rossi, Claudiu T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1534-1538
340	<a href="#">10.1016/j.bmc.2012.07.021</a>	Natural product coumarins that inhibit human carbonic anhydrases	Rohan A. Davis, Daniela Vullo, Alfonso Maresca, Claudiu T. Supuran, Sally-Ann Poulsen	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1539-1543
341	<a href="#">10.1016/j.bmc.2012.08.018</a>	Purification and characterization of carbonic anhydrase from sheep kidney and effects of sulfonamides on enzyme activity	Ramazan Demirdağ, Veyisel Çomaklı, Murat Şentürk, Deniz Ekinci, Ö. İrfan Küfrelioğlu, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1522-1525

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
342	<a href="https://doi.org/10.1016/j.bmc.2012.08.046">10.1016/j.bmc.2012.08.046</a>	Characterization, bioinformatic analysis and dithiocarbamate inhibition studies of two new $\alpha$ -carbonic anhydrases, CAH1 and CAH2, from the fruit fly <i>Drosophila melanogaster</i>	Leo Syrj�nen, Martti E.E. Tolvanen, Mika Hilvo, Daniela Vullo, Fabrizio Carta, Claudiu T. Supuran, Seppo Parkkila	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1516-1521
343	<a href="https://doi.org/10.1016/j.bmc.2012.08.057">10.1016/j.bmc.2012.08.057</a>	Salicylaldoxime derivatives as new leads for the development of carbonic anhydrase inhibitors	Tiziano Tuccinardi, Simone Bertini, Carlotta Granchi, Gabriella Ortore, Marco Macchia, Filippo Minutolo, Adriano Martinelli, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1511-1515
344	<a href="https://doi.org/10.1016/j.bmc.2012.09.002">10.1016/j.bmc.2012.09.002</a>	Synthesis of C-cinnamoyl glycosides and their inhibitory activity against mammalian carbonic anhydrases	Leonardo E. Riafrecha, Oscar M. Rodriguez, Daniela Vullo, Claudiu T. Supuran, Pedro A. Colinas	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1489-1494
345	<a href="https://doi.org/10.1016/j.bmc.2012.09.001">10.1016/j.bmc.2012.09.001</a>	Chemometric QSAR modeling and in silico design of carbonic anhydrase inhibition of a coral secretory isoform by sulfonamide	Shalini Singh, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1495-1502
346	<a href="https://doi.org/10.1016/j.bmc.2012.09.047">10.1016/j.bmc.2012.09.047</a>	An $\alpha$ -carbonic anhydrase from the thermophilic bacterium <i>Sulphurihydrogenibium azorense</i> is the fastest enzyme known for the CO <sub>2</sub> hydration reaction	Viviana De Luca, Daniela Vullo, Andrea Scozzafava, Vincenzo Carginale, Mos� Rossi, Claudiu T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1465-1469
347	<a href="https://doi.org/10.1016/j.bmc.2012.12.004">10.1016/j.bmc.2012.12.004</a>	Carbonic anhydrase inhibitors: Benzenesulfonamides incorporating cyanoacrylamide moieties are low nanomolar/subnanomolar inhibitors of the tumor-associated isoforms IX and XII	Ahmed M. Alafeefy, Semra Isik, Hatem A. Abdel-Aziz, Abdellkader E. Ashour, Daniela Vullo, Nabila A. Al-Jaber, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1396-1403
348	<a href="https://doi.org/10.1016/j.ctrv.2012.08.004">10.1016/j.ctrv.2012.08.004</a>	New strategies for targeting the hypoxic tumour microenvironment in breast cancer	Carol Ward, Simon P. Langdon, Peter Mullen, Adrian L. Harris, David J. Harrison, Claudiu T. Supuran, Ian H. Kunkler	Cancer Treatment Reviews	Vol. 39/Issue 2	W.B. Saunders Ltd	United Kingdom	01/04/2013	171-179
349	<a href="https://doi.org/10.1016/j.canlet.2013.01.020">10.1016/j.canlet.2013.01.020</a>	Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas	Nadia Lounnas, C�lia Rosilio, Marielle Nebout, Didier Mary, Emmanuel Griessinger, Zouhour Neffati, Johanna Chiche, Hergen Spits, Thijs J. Hagenbeek, Vahid Asnafi, Sally-Ann Poulsen, Claudiu T. Supuran, Jean-Fran�ois Peyron, V�ronique Imbert	Cancer Letters	Vol. 333/Issue 1	Elsevier Ireland Ltd	Ireland	01/06/2013	76-88
350	<a href="https://doi.org/10.1016/j.bmcl.2012.10.103">10.1016/j.bmcl.2012.10.103</a>	Restoring catalytic activity to the human carbonic anhydrase (CA) related proteins VIII, X and XI affords isoforms with high catalytic efficiency and susceptibility to anion inhibition	Isao Nishimori, Daniela Vullo, Tomoko Minakuchi, Andrea Scozzafava, Clemente Capasso, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 1	Elsevier Limited	United Kingdom	01/01/2013	256-260
351	<a href="https://doi.org/10.1021/jm301625g">10.1021/jm301625g</a>	Sulfocoumarins (1,2-Benzoxathiine-2,2-dioxides): A Class of Potent and Isoform-Selective Inhibitors of Tumor-Associated Carbonic Anhydrases	Kaspars Tars, Daniela Vullo, Andris Kazaks, Janis Leitans, Alons Lends, Aiga Grandane, Raivis Zalubovskis, Andrea Scozzafava, Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 1	American Chemical Society	United States	10/01/2013	293-300
352	<a href="https://doi.org/10.1016/j.bmcl.2013.01.084">10.1016/j.bmcl.2013.01.084</a>	Anion inhibition studies of the $\alpha$ -carbonic anhydrase from the pathogenic bacterium <i>Vibrio cholerae</i>	Daniela Vullo, Semra Isik, Sonia Del Prete, Viviana De Luca, Vincenzo Carginale, Andrea Scozzafava, Claudiu T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1636-1638
353	<a href="https://doi.org/10.1016/j.bmc.2012.10.029">10.1016/j.bmc.2012.10.029</a>	New selective carbonic anhydrase IX inhibitors: Synthesis and pharmacological evaluation of diarylpyrazole-benzenesulfonamides	Tiphaine Rogez-Florent, Samuel Meignan, Catherine Foulon, Perrine Six, Abiga�lle Gros, Christine Bal-Mahieu, Claudiu T. Supuran, Andrea Scozzafava, Rapha�l Fr�d�rick, Bernard Masereel, Patrick Depreux, Am�lie Lansiaux, Jean-Fran�ois Goossens, S�bastien Gluszok, Laurence Goossens	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1451-1464



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
354	<a href="https://doi.org/10.1016/j.bmc.2012.10.043">10.1016/j.bmc.2012.10.043</a>	Glycosidic carbonic anhydrase IX inhibitors: A sweet approach against cancer	Jean-Yves Winum , Pedro A. Colinas , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1419-1426
355	<a href="https://doi.org/10.1016/j.bmc.2012.12.037">10.1016/j.bmc.2012.12.037</a>	o-Benzenedisulfonimido-sulfonamides are potent inhibitors of the tumor-associated carbonic anhydrase isoforms CA IX and CA XII	Özlen Güzel-Akdemir , Atilla Akdemir , Semra Isik , Daniela Vullo , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1386-1391
356	<a href="https://doi.org/10.1016/j.bmcl.2012.12.009">10.1016/j.bmcl.2012.12.009</a>	The extremophilic carbonic anhydrase (CA) from <i>Sulfolobus solfataricus</i> is highly activated by amino acids and amines	Atilla Akdemir , Daniela Vullo , Viviana De Luca , Andrea Scozzafava , Vincenzo Carginale , Mosè Rossi , Claudiu T. Supuran , Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 4	Elsevier Limited	United Kingdom	01/02/2013	1087-1090
357	<a href="https://doi.org/10.1016/j.bmc.2012.10.048">10.1016/j.bmc.2012.10.048</a>	Inhibition pattern of sulfamide-related compounds in binding to carbonic anhydrase isoforms I, II, VII, XII and XIV	Luciana Gavernet , José L. Gonzalez Funes , Pablo H. Palestro , Luis E. Bruno Blanch , Guillermina L. Estiu , Alfonso Maresca , Ivana Barrios , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 6	Elsevier Limited	United Kingdom	01/03/2013	1410-1418
358	<a href="https://doi.org/10.1016/j.bmc.2013.02.022">10.1016/j.bmc.2013.02.022</a>	Structural effect of phenyl ring compared to thiadiazole based adamantyl-sulfonamides on carbonic anhydrase inhibition	Shyamasi Biswas , Fabrizio Carta , Andrea Scozzafava , Robert McKenna , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 8	Elsevier Limited	United Kingdom	01/04/2013	2314-2318
359	<a href="https://doi.org/10.1021/jm4000616">10.1021/jm4000616</a>	Cloning, Characterization, and Sulfonamide and Thiol Inhibition Studies of an $\alpha$ -Carbonic Anhydrase from <i>Thiomargarita</i>	Peiwen Pan , Alane Beatriz Vermelho , Giseli Capaci Rodrigues , Andrea Scozzafava , Martti E. E. Tolvanen , Seppo Parkkila , Clemente Capasso , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 4	American Chemical Society	United States	28/02/2013	1761-1771
360	<a href="https://doi.org/10.1021/jm400418p">10.1021/jm400418p</a>	A Class of Sulfonamides with Strong Inhibitory Action against the $\alpha$ -Carbonic Anhydrase from <i>Thiomargarita</i>	Özlen Güzel-Akdemir , Atilla Akdemir , Peiwen Pan , Alane B. Vermelho , Seppo Parkkila , Andrea Scozzafava , Clemente Capasso , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 14	American Chemical Society	United States	25/07/2013	5773-5781
361	<a href="https://doi.org/10.1016/j.bmc.2013.04.041">10.1016/j.bmc.2013.04.041</a>	Natural product hybrid and its superacid synthesized analogues: Dodoneine and its derivatives show selective inhibition of carbonic anhydrase isoforms I, III, XIII and XIV	Hélène Carreyre , Jean-Marie Coustard , Grégoire Carré , Clarisse Vandebrouck , Jocelyn Bescond , Maurice Ouédraogo , Jérôme Marrot , Daniella Vullo , Claudiu T. Supuran , Sébastien Thibaudau	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 13	Elsevier Limited	United Kingdom	01/07/2013	3790-3794
362	<a href="https://doi.org/10.1039/c3cc40858b">10.1039/c3cc40858b</a>	New superacid synthesized (fluorinated) tertiary benzenesulfonamides acting as selective hCA IX inhibitors: toward a new mode of carbonic anhydrase inhibition by sulfonamides	Benoît Métayer , Agnès Mingot , Daniella Vullo , Claudiu T. Supuran , Sébastien Thibaudau	Chemical Communications	Vol. 49/Issue 54	Royal Society of Chemistry	United Kingdom	01/01/2013	6015-6017
363	<a href="https://doi.org/10.1517/13543776.2013.794788">10.1517/13543776.2013.794788</a>	Antiglaucoma carbonic anhydrase inhibitors: a patent review	Emanuela Masini , Fabrizio Carta , Andrea Scozzafava , Claudiu T. Supuran	Expert Opinion on Therapeutic Patents	Vol. 23/Issue 6	Informa Healthcare	United Kingdom	01/06/2013	705-716
364	<a href="https://doi.org/10.1517/13543776.2013.778245">10.1517/13543776.2013.778245</a>	Anti-infective carbonic anhydrase inhibitors: a patent and literature review	Clemente Capasso , Claudiu T. Supuran	Expert Opinion on Therapeutic Patents	Vol. 23/Issue 6	Informa Healthcare	United Kingdom	01/06/2013	693-704
365	<a href="https://doi.org/10.1517/13543776.2013.780598">10.1517/13543776.2013.780598</a>	Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005 – 2013)	Fabrizio Carta , Claudiu T. Supuran	Expert Opinion on Therapeutic Patents	Vol. 23/Issue 6	Informa Healthcare	United Kingdom	01/06/2013	681-691
366	<a href="https://doi.org/10.1016/j.bmc.2013.06.029">10.1016/j.bmc.2013.06.029</a>	Inhibition of tumor-associated human carbonic anhydrase isozymes IX and XII by a new class of substituted-phenylacetamido aromatic sulfonamides	Atilla Akdemir , Özlen Güzel-Akdemir , Andrea Scozzafava , Clemente Capasso , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 17	Elsevier Limited	United Kingdom	01/09/2013	5228-5232
367	<a href="https://doi.org/10.1016/j.bmcl.2013.02.092">10.1016/j.bmcl.2013.02.092</a>	Carbonic anhydrase inhibitors: Inhibition of the $\beta$ -class enzyme from the pathogenic yeast <i>Candida glabrata</i> with sulfonamides, sulfamates and sulfamides	Daniela Vullo , Worraanong Leewattanapasak , Fritz A. Mühlischlegel , Antonio Mastrolorenzo , Clemente Capasso , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 9	Elsevier Limited	United Kingdom	01/05/2013	2647-2652
368	<a href="https://doi.org/10.1016/j.bmcl.2013.04.028">10.1016/j.bmcl.2013.04.028</a>	Carbonic anhydrase inhibitors. Benzenesulfonamides incorporating cyanoacrylamide moieties strongly inhibit <i>Saccharomyces cerevisiae</i> $\beta$ -carbonic anhydrase	Ahmed M. Alafeefy , Semra Isik , Nabila A. Al-Jaber , Daniela Vullo , Hatem A. Abdel-Aziz , Abdelkader E. Ashour , Amani S. Awaad , Clemente Capasso , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 12	Elsevier Limited	United Kingdom	01/06/2013	3570-3575



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
369	<a href="https://doi.org/10.1517/17460441.2013.795145">10.1517/17460441.2013.795145</a>	Exploiting the hydrophobic and hydrophilic binding sites for designing carbonic anhydrase inhibitors	Giuseppina De Simone, Vincenzo Alterio, Claudiu T Supuran	Expert Opinion on Drug Discovery	Vol. 8/Issue 7	Informa Healthcare	United Kingdom	01/07/2013	793-810
370	<a href="https://doi.org/10.1517/13543776.2013.798648">10.1517/13543776.2013.798648</a>	Anticancer carbonic anhydrase inhibitors: A patent review (2008-2013)	S.M. Monti, C.T. Supuran, G. De Simone	Expert Opinion on Therapeutic Patents	Vol. 23, No. 6	Informa Healthcare		01/06/2013	737-749
371	<a href="https://doi.org/10.1016/j.bmc.2013.03.077">10.1016/j.bmc.2013.03.077</a>	Synthesis and carbonic anhydrase inhibitory properties of sulfamides structurally related to dopamine	Kadir Aksu, Meryem Nar, Muhammet Tanc, Daniela Vullo, İlhami Gülçin, Süleyman Göksu, Ferhan Tümer, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 11	Elsevier Limited	United Kingdom	01/06/2013	2925-2931
372	<a href="https://doi.org/10.1021/jm400414j">10.1021/jm400414j</a>	Xanthates and Trithiocarbonates Strongly Inhibit Carbonic Anhydrases and Show Antiglaucoma Effects in Vivo	Fabrizio Carta, Atilla Akdemir, Andrea Scozzafava, Emanuela Masini, Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 11	American Chemical Society	United States	13/06/2013	4691-4700
373	<a href="https://doi.org/10.1016/j.bmc.2013.05.042">10.1016/j.bmc.2013.05.042</a>	The extremophilic carbonic anhydrase from the thermophilic bacterium <i>Sulfurihydrogenibium azorense</i> is highly inhibited by sulfonamides	Daniela Vullo, Viviana De Luca, Andrea Scozzafava, Vincenzo Carginale, Mosè Rossi, Claudiu T. Supuran, Clemente Capasso	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 15	Elsevier Limited	United Kingdom	01/08/2013	4521-4525
374	<a href="https://doi.org/10.1016/j.bmc.2013.03.068">10.1016/j.bmc.2013.03.068</a>	Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma	Harun M. Said, Carsten Hagemann, Fabrizio Carta, Astrid Katzer, Bülent Polat, Adrian Staab, Andrea Scozzafava, Jelena Anacker, Giles H. Vince, Michael Flentje, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 13	Elsevier Limited	United Kingdom	01/07/2013	3949-3957
375	<a href="https://doi.org/10.1016/j.bmc.2013.05.032">10.1016/j.bmc.2013.05.032</a>	7-Substituted-sulfocoumarins are isoform-selective, potent carbonic anhydrase II inhibitors	Muhammet Tanc, Fabrizio Carta, Murat Bozdag, Andrea Scozzafava, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 15	Elsevier Limited	United Kingdom	01/08/2013	4502-4510
376	<a href="https://doi.org/10.1039/c3cc42541j">10.1039/c3cc42541j</a>	Thiol-ene click chemistry for the synthesis of highly effective glycosyl sulfonamide carbonic anhydrase inhibitors	Mohamed-Chiheb Saada, Joanna Ombouma, Jean-Louis Montero, Claudiu T. Supuran, Jean-Yves Winum	Chemical Communications	Vol. 49/Issue 50	Royal Society of Chemistry	United Kingdom	01/01/2013	5699
377	<a href="https://doi.org/10.1016/j.radonc.2013.06.018">10.1016/j.radonc.2013.06.018</a>	Targeting carbonic anhydrase IX by nitroimidazole based sulfamides enhances the therapeutic effect of tumor irradiation: A new concept of dual targeting drugs	Ludwig Dubois, Sarah G.J.A. Peeters, Simon J.A. van Kuijk, Ala Yaromina, Natasja G. Lieuwes, Ruchi Saraya, Rianne Biemans, Marouan Rami, Nanda Kumar Parvathaneni, Daniela Vullo, Marc Vooijs, Claudiu T. Supuran, Jean-Yves Winum, Philippe Lambin	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	523-528
378	<a href="https://doi.org/10.1016/j.bmc.2013.06.041">10.1016/j.bmc.2013.06.041</a>	5-Substituted-(1,2,3-triazol-4-yl)thiophene-2-sulfonamides strongly inhibit human carbonic anhydrases I, II, IX and XII: Solution and X-ray crystallographic studies	Janis Leitans, Agnese Sprudza, Muhammet Tanc, Igor Vozny, Raivis Zalubovskis, Kaspars Tars, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 17	Elsevier Limited	United Kingdom	01/09/2013	5130-5138
379	<a href="https://doi.org/10.1016/j.bmc.2013.06.035">10.1016/j.bmc.2013.06.035</a>	Carbonic anhydrase inhibitors: Synthesis and inhibition of the cytosolic mammalian carbonic anhydrase isoforms I, II and VII with benzene sulfonamides incorporating 4,5,6,7-tetrachlorophthalimide moiety	Kalyan K. Sethi, Saurabh M. Verma, Muhammet Tanc, Fabrizio Carta, Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 17	Elsevier Limited	United Kingdom	01/09/2013	5168-5174
380	<a href="https://doi.org/10.1021/jm400902y">10.1021/jm400902y</a>	Design, Synthesis, and Evaluation of Hydroxamic Acid Derivatives as Promising Agents for the Management of Chagas Disease	Giseli Capaci Rodrigues, Daniel Ferreira Feijó, Marcelo Torres Bozza, Peiven Pan, Daniela Vullo, Seppo Parkkila, Claudiu T. Supuran, Clemente Capasso, Alcino Palermo Aguiar, Alane Beatriz Vermelho	Journal of Medicinal Chemistry	Vol. 57/Issue 2	American Chemical Society	United States	23/01/2014	298-308

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
381	<a href="https://doi.org/10.1016/j.ejmech.2013.10.027">10.1016/j.ejmech.2013.10.027</a>	Development and biological evaluation of 99mTc-sulfonamide derivatives for in vivo visualization of CA IX as surrogate tumor hypoxia markers	Vamsidhar Akurathi , Ludwig Dubois , Sofie Celen , Natasja G. Lieuwes , Satish K. Chitneni , Bernard J. Cleynhens , Alessio Innocenti , Claudiu T. Supuran , Alfons M. Verbruggen , Philippe Lambin , Guy M. Bormans	European Journal of Medicinal Chemistry	Vol. 71	Elsevier Masson SAS	Italy	01/01/2014	374-384
382	<a href="https://doi.org/10.1016/j.bmcl.2013.05.063">10.1016/j.bmcl.2013.05.063</a>	A highly catalytically active γ-carbonic anhydrase from the pathogenic anaerobe Porphyromonas gingivalis and its inhibition profile with anions and small molecules	Sonia Del Prete , Daniela Vullo , Viviana De Luca , Vincenzo Carginale , Andrea Scozzafava , Claudiu T. Supuran , Clemente Capasso	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 14	Elsevier Limited	United Kingdom	01/07/2013	4067-4071
383	<a href="https://doi.org/10.1021/jm400939k">10.1021/jm400939k</a>	Cloning, Characterization, and Inhibition Studies of a β-Carbonic Anhydrase from Leishmania donovani chagasi, the Protozoan Parasite Responsible for Leishmaniasis	Leo Syrjänen , Alane Beatriz Vermelho , Igor de Almeida Rodrigues , Suzana Corte-Real , Terhi Salonen , Peiwen Pan , Daniela Vullo , Seppo Parkkila , Clemente Capasso , Claudiu T. Supuran	Journal of Medicinal Chemistry	Vol. 56/Issue 18	American Chemical Society	United States	26/09/2013	7372-7381
384	<a href="https://doi.org/10.1021/jm400953z">10.1021/jm400953z</a>	Hypoxia-Targeting Carbonic Anhydrase IX Inhibitors by a New Series of Nitroimidazole-Sulfonamides/Sulfamides/Sulfamates	Marouan Rami , Ludwig Dubois , Nanda-Kumar Parvathaneni , Vincenzo Alterio , Simon J. A. van Kuijk , Simona Maria Monti , Philippe Lambin , Giuseppina De Simone , Claudiu T. Supuran , Jean-Yves Winum	Journal of Medicinal Chemistry	Vol. 56/Issue 21	American Chemical Society	United States	14/11/2013	8512-8520
385	<a href="https://doi.org/10.1016/j.bmc.2013.08.011">10.1016/j.bmc.2013.08.011</a>	Structural study of the location of the phenyl tail of benzene sulfonamides and the effect on human carbonic anhydrase inhibition	Özlen Güzel-Akdemir , Shyamasri Biswas , Katherine Lastra , Robert McKenna , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 21	Elsevier Limited	United Kingdom	01/11/2013	6674-6680
386	<a href="https://doi.org/10.1016/j.ejmech.2013.09.027">10.1016/j.ejmech.2013.09.027</a>	Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII	Jarosław Sławiński , Krzysztof Szafranski , Daniela Vullo , Claudiu T. Supuran	European Journal of Medicinal Chemistry	Vol. 69	Elsevier Masson SAS	Italy	01/11/2013	701-710
387	<a href="https://doi.org/10.1039/c3ob41538d">10.1039/c3ob41538d</a>	Superacid synthesized tertiary benzenesulfonamides and benzofused sultams act as selective hCA IX inhibitors: toward understanding a new mode of inhibition by tertiary sulfonamides	Benoît Métayer , Agnès Martin-Mingot , Daniella Vullo , Claudiu T. Supuran , Sébastien Thibaudau	Organic and Biomolecular Chemistry	Vol. 11/Issue 43	Royal Society of Chemistry	United Kingdom	01/01/2013	7540
388	<a href="https://doi.org/10.1016/j.bmcl.2013.08.019">10.1016/j.bmcl.2013.08.019</a>	Effect of incorporating a thiophene tail in the scaffold of acetazolamide on the inhibition of human carbonic anhydrase isoforms I, II, IX and XII	Shyamasri Biswas , Robert McKenna , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 20	Elsevier Limited	United Kingdom	01/10/2013	5646-5649
389	<a href="https://doi.org/10.1016/j.bmc.2013.09.031">10.1016/j.bmc.2013.09.031</a>	Inhibition of human carbonic anhydrase isoforms I–XIV with sulfonamides incorporating fluorine and 1,3,5-triazine moieties	Mariangela Ceruso , Daniela Vullo , Andrea Scozzafava , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 22	Elsevier Limited	United Kingdom	01/11/2013	6929-6936
390	<a href="https://doi.org/10.1016/j.bmc.2013.07.044">10.1016/j.bmc.2013.07.044</a>	Carbonic anhydrase inhibitors: Synthesis and inhibition of the human carbonic anhydrase isoforms I, II, VII, IX and XII with benzene sulfonamides incorporating 4,5,6,7-tetrabromophthalimide moiety	Kalyan K. Sethi , Daniella Vullo , Saurabh M. Verma , Muhammet Tanç , Fabrizio Carta , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 21/Issue 19	Elsevier Limited	United Kingdom	01/10/2013	5973-5982
391	<a href="https://doi.org/10.1016/j.bmc.2013.11.016">10.1016/j.bmc.2013.11.016</a>	Combining the tail and the ring approaches for obtaining potent and isoform-selective carbonic anhydrase inhibitors: Solution and X-ray crystallographic studies	Murat Bozdogan , Marta Ferraroni , Elisa Nuti , Daniela Vullo , Armando Rossello , Fabrizio Carta , Andrea Scozzafava , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 22/Issue 1	Elsevier Limited	United Kingdom	01/01/2014	334-340
392	<a href="https://doi.org/10.1021/jm401163e">10.1021/jm401163e</a>	A Prodrug Approach Toward Cancer-Related Carbonic Anhydrase Inhibition	Cindy J. Carroux , Gregory M. Rankin , Janina Moeker , Laurent F. Bornaghi , Kasiram Katneni , Julia Morizzi , Susan A. Charman , Daniela Vullo , Claudiu T. Supuran , Sally-Ann Poulsen	Journal of Medicinal Chemistry	Vol. 56/Issue 23	American Chemical Society	United States	12/12/2013	9623-9634

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
393	<a href="https://doi.org/10.1016/j.ejmech.2013.10.081">10.1016/j.ejmech.2013.10.081</a>	Carbonic anhydrase inhibitors. Synthesis, and molecular structure of novel series N-substituted N'-(2-arylmethylthio-4-chloro-5-methylbenzenesulfonyl) guanidines and their inhibition of human cytosolic isozymes I and II and the transmembrane tumor-associated isozymes IX and XII	Beata Żołnowska , Jarosław Sławiński , Aneta Pogorzelska , Jarosław Chojnacki , Daniela Vullo , Claudiu T. Supuran	European Journal of Medicinal Chemistry	Vol. 71	Elsevier Masson SAS	Italy	01/01/2014	135-147
394	<a href="https://doi.org/10.1016/j.ejmech.2014.05.039">10.1016/j.ejmech.2014.05.039</a>	Carbonic anhydrase inhibitors. Synthesis of a novel series of 5-substituted 2,4-dichlorobenzenesulfonamides and their inhibition of human cytosolic isozymes I and II and the transmembrane tumor-associated isozymes IX and XII	J. Sławiński, A. Pogorzelska, B. Żołnowska, K. Brożewicz, D. Vullo, C.T. Supuran	European Journal of Medicinal Chemistry	Volume 82	Elsevier Masson SAS		23/07/2014	47-55
395	<a href="https://doi.org/10.1016/j.bmcl.2013.10.026">10.1016/j.bmcl.2013.10.026</a>	Salen and tetrahydrosalen derivatives act as effective inhibitors of the tumor-associated carbonic anhydrase XII—A new scaffold for designing isoform-selective inhibitors	Simone Carradori , Celeste De Monte , Melissa D'Ascenzio , Daniela Secci , Gulsah Celik , Mariangela Ceruso , Daniela Vullo , Andrea Scozzafava , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 23/Issue 24	Elsevier Limited	United Kingdom	01/12/2013	6759-6763
396	<a href="https://doi.org/10.1016/j.bmc.2014.01.055">10.1016/j.bmc.2014.01.055</a>	Benzenesulfonamide bearing 1,2,4-triazole scaffolds as potent inhibitors of tumor associated carbonic anhydrase isoforms hCA IX and hCA XII	SitaRam , Gulsah Celik , Poonam Khloya , Daniela Vullo , Claudiu T. Supuran , Pawan K. Sharma	Bioorganic and Medicinal Chemistry	Vol. 22/Issue 6	Elsevier Limited	United Kingdom	01/03/2014	1873-1882
397	<a href="https://doi.org/10.1016/j.ejmech.2014.02.023">10.1016/j.ejmech.2014.02.023</a>	4-Functionalized 1,3-diarylpyrazoles bearing benzenesulfonamide moiety as selective potent inhibitors of the tumor associated carbonic anhydrase isoforms IX and XII	Poonam Khloya , Gulsah Celik , SitaRam , Daniela Vullo , Claudiu T. Supuran , Pawan K. Sharma	European Journal of Medicinal Chemistry	Vol. 76	Elsevier Masson SAS	Italy	01/04/2014	284-290
398	<a href="https://doi.org/10.1016/j.bmcl.2014.01.048">10.1016/j.bmcl.2014.01.048</a>	Substituted benzene sulfonamides incorporating 1,3,5-triazinyl moieties potentially inhibit human carbonic anhydrases II, IX and XII	Amrita K. Saluja , Meena Tiwari , Daniela Vullo , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 24/Issue 5	Elsevier Limited	United Kingdom	01/03/2014	1310-1314
399	<a href="https://doi.org/10.1016/j.bmc.2014.01.043">10.1016/j.bmc.2014.01.043</a>	Synthesis of 6-tetrazolyl-substituted sulfoxocoumarins acting as highly potent and selective inhibitors of the tumor-associated carbonic anhydrase isoforms IX and XII	Aiga Grandane , Muhammet Tanc , Raivis Zalubovskis , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 22/Issue 5	Elsevier Limited	United Kingdom	01/03/2014	1522-1528
400	<a href="https://doi.org/10.1016/j.bmc.2014.01.031">10.1016/j.bmc.2014.01.031</a>	Carbonic anhydrase inhibitors: Synthesis and inhibition of the human carbonic anhydrase isoforms I, II, IX and XII with benzene sulfonamides incorporating 4- and 3-nitrophthalimide moieties	Kalyan K. Sethi , Saurabh M. Verma , Muhammet Tanc , Gaultier Purper , Gaetan Calafato , Fabrizio Carta , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 22/Issue 5	Elsevier Limited	United Kingdom	01/03/2014	1586-1595
401	<a href="https://doi.org/10.1016/j.bmcl.2014.01.076">10.1016/j.bmcl.2014.01.076</a>	6-Triazolyl-substituted sulfoxocoumarins are potent, selective inhibitors of the tumor-associated carbonic anhydrases IX and XII	Aiga Grandane , Muhammet Tanc , Raivis Zalubovskis , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry Letters	Vol. 24/Issue 5	Elsevier Limited	United Kingdom	01/03/2014	1256-1260
402	<a href="https://doi.org/10.1016/j.bmc.2014.01.056">10.1016/j.bmc.2014.01.056</a>	Design, synthesis and evaluation of N-substituted saccharin derivatives as selective inhibitors of tumor-associated carbonic anhydrase XII	Melissa D'Ascenzio , Simone Carradori , Celeste De Monte , Daniela Secci , Mariangela Ceruso , Claudiu T. Supuran	Bioorganic and Medicinal Chemistry	Vol. 22/Issue 6	Elsevier Limited	United Kingdom	01/03/2014	1821-1831
403	<a href="https://doi.org/10.1073/pnas.1209310110">10.1073/pnas.1209310110</a>	Tumor cell-derived placental growth factor sensitizes antiangiogenic and antitumor effects of anti-VEGF drugs	E.-M. E. Hedlund , X. Yang , Y. Zhang , Y. Yang , M. Shibuya , W. Zhong , B. Sun , Y. Liu , K. Hosaka , Y. Cao	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 2	National Academy of Sciences	United States	08/01/2013	654-659
404	<a href="https://doi.org/10.1016/j.tem.2012.10.007">10.1016/j.tem.2012.10.007</a>	Erythropoietin in cancer: a dilemma in risk therapy	Yihai Cao	Trends in Endocrinology and Metabolism	Vol. 24/Issue 4	Elsevier Inc.	United States	01/04/2013	190-199
405	<a href="https://doi.org/10.1038/ncomms3129">10.1038/ncomms3129</a>	Tumour PDGF-BB expression levels determine dual effects of anti-PDGF drugs on vascular remodelling and metastasis	Kayoko Hosaka , Yunlong Yang , Takahiro Seki , Masaki Nakamura , Patrik Andersson , Pegah Rouhi , Xiaojuan Yang , Lasse Jensen , Sharon Lim , Ninghan Feng , Yuan Xue , Xuri Li , Ola Larsson , Toshio Ohhashi , Yihai Cao	Nature Communications	Vol. 4	Nature Publishing Group	United Kingdom	08/07/2013	-

Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
406	<a href="https://doi.org/10.1073/pnas.1301331110">10.1073/pnas.1301331110</a>	Anti-VEGF- and anti-VEGF receptor-induced vascular alteration in mouse healthy tissues	Y. Yang , Y. Zhang , Z. Cao , H. Ji , X. Yang , H. Iwamoto , E. Wahlberg , T. Lanne , B. Sun , Y. Cao	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 29	National Academy of Sciences	United States	16/07/2013	12018-12023
407	<a href="https://doi.org/10.4161/cc.23596">10.4161/cc.23596</a>	Clock controls angiogenesis	Lasse Dahl Jensen , Yihai Cao	Cell Cycle	Vol. 12/Issue 3	Landes Bioscience	United States	01/02/2013	405-408
408	<a href="https://doi.org/10.1073/pnas.1309629110">10.1073/pnas.1309629110</a>	Vascular endothelial growth factor-dependent spatiotemporal dual roles of placental growth factor in modulation of angiogenesis and tumor growth	X. Yang , Y. Zhang , Y. Yang , S. Lim , Z. Cao , J. Rak , Y. Cao	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 34	National Academy of Sciences	United States	20/08/2013	13932-13937
409	<a href="https://doi.org/10.1016/j.cmet.2013.08.008">10.1016/j.cmet.2013.08.008</a>	Angiogenesis and Vascular Functions in Modulation of Obesity, Adipose Metabolism, and Insulin Sensitivity	Yihai Cao	Cell Metabolism	Vol. 18/Issue 4	Cell Press	United States	01/10/2013	478-489
410	<a href="https://doi.org/10.1016/j.molmed.2013.05.002">10.1016/j.molmed.2013.05.002</a>	Multifarious functions of PDGFs and PDGFRs in tumor growth and metastasis	Yihai Cao	Trends in Molecular Medicine	Vol. 19/Issue 8	Elsevier Limited	United Kingdom	01/08/2013	460-473
411	<a href="https://doi.org/10.1038/srep02053">10.1038/srep02053</a>	VEGF significantly restores impaired memory behavior in Alzheimer's mice by improvement of vascular survival	Piotr Religa , Renhai Cao , Dorota Religa , Yuan Xue , Nenad Bogdanovic , David Westaway , Hugo H. Marti , Bengt Winblad , Yihai Cao	Scientific Reports	Vol. 3	Nature Publishing Group	United Kingdom	24/06/2013	-
412	<a href="https://doi.org/10.1016/j.bbrc.2013.10.083">10.1016/j.bbrc.2013.10.083</a>	The Krüppel-like zinc finger transcription factor, GLI-similar 1, is regulated by hypoxia-inducible factors via non-canonical mechanisms	Elham Khalesi , Hideaki Nakamura , Kian Leong Lee , Andika Chandra Putra , Takahiro Fukazawa , Yumi Kawahara , Yuichi Makino , Lorenz Poellinger , Louis Yuge , Keiji Tanimoto	Biochemical and Biophysical Research Communications	Vol. 441/Issue 2	Academic Press Inc.	United States	01/11/2013	499-506
413		Angiogenesis as a therapeutic target for obesity and metabolic diseases	Cao Y.	Chemical Immunology and Allergy	Vol. 99	S. Karger AG		01/01/2014	170-179
414	<a href="https://doi.org/10.1038/ncomms5944">10.1038/ncomms5944</a>	TNFR1 mediates TNF- $\alpha$ -induced tumour lymphangiogenesis and metastasis by modulating VEGF-C-VEGFR3 signalling	Hong Ji , Renhai Cao , Yunlong Yang , Yin Zhang , Hideki Iwamoto , Sharon Lim , Masaki Nakamura , Patrik Andersson , Jian Wang , Yuping Sun , Steen Dissing , Xia He , Xiaojuan Yang , Yihai Cao	Nature Communications	Vol. 5	Nature Publishing Group	United Kingdom	17/09/2014	4944
415	<a href="https://doi.org/10.1182/blood-2013-07-511907">10.1182/blood-2013-07-511907</a>	Physiologic hypoxia promotes maintenance of CML stem cells despite effective BCR-ABL1 inhibition	K. P. Ng , A. Manjeri , K. L. Lee , W. Huang , S. Y. Tan , C. T. H. Chuah , L. Poellinger , S. T. Ong	Blood	Vol. 123/Issue 21	American Society of Hematology	United States	22/05/2014	3316-3326
416	<a href="https://doi.org/10.1128/MCB.00099-14">10.1128/MCB.00099-14</a>	The Hypoxia-Inducible Epigenetic Regulators Jmjd1a and G9a Provide a Mechanistic Link between Angiogenesis and Tumor Growth	J. Ueda , J. C. Ho , K. L. Lee , S. Kitajima , H. Yang , W. Sun , N. Fukuhara , N. Zaiden , S. L. Chan , M. Tachibana , Y. Shinkai , H. Kato , L. Poellinger	Molecular and Cellular Biology	Vol. 34/Issue 19	American Society for Microbiology	United States	01/10/2014	3702-3720
417	<a href="https://doi.org/10.1038/onc.2014.200">10.1038/onc.2014.200</a>	EFNA3 long noncoding RNAs induced by hypoxia promote metastatic dissemination	L Gómez-Maldonado , M Tiana , O Roche , A Prado-Cabrero , L Jensen , A Fernandez-Barral , I Guijarro-Muñoz , E Favaro , G Moreno-Bueno , L Sanz , J Aragones , A Harris , O Volpert , B Jimenez , L del Peso	Oncogene	Epub ahead of print	Nature Publishing Group	United Kingdom	14/07/2014	-
418		The role of nitric oxide radicals in removal of hyper-radiosensitivity by priming irradiation	Edin NJ, Sandvik JA, Cheng C, Vollen HS, Reger K, Görlach A, Pettersen EO	Journal of Radiation Research	Vol. 54	Japan Radiation Research Society		01/10/2013	1015-1028



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
419	<a href="https://doi.org/10.1089/ars.2013.5286">10.1089/ars.2013.5286</a>	The $\beta$ 3-Integrin Binding Protein $\beta$ 3-Endonexin Is a Novel Negative Regulator of Hypoxia-Inducible Factor-1	Damir Kračun , Florian Rieß , Ivan Kanchev , Meinrad Gawaz , Agnes Görlach	Antioxidants and Redox Signaling	Vol. 20/Issue 13	Mary Ann Liebert Inc.	United States	01/05/2014	1964-1976
420	<a href="https://doi.org/10.1038/nrc3579">10.1038/nrc3579</a>	Disrupting proton dynamics and energy metabolism for cancer therapy	Scott K. Parks , Johanna Chiche , Jacques Pouyssegur	Nature Reviews Cancer	Vol. 13/Issue 9	Nature Publishing Group	United Kingdom	23/08/2013	611-623
421		Hypoxia promotes tumor cell survival in acidic conditions by preserving ATP levels	Parks SK, Mazure NM, Counillon L, Pouyssegur J	Journal of Cellular Physiology	Vol. 228/Issue 9	Wiley-Liss Inc.		01/09/2013	1854-1862
422	<a href="https://doi.org/10.1016/j.bbrc.2014.07.050">10.1016/j.bbrc.2014.07.050</a>	Expression of the hypoxia-inducible monocarboxylate transporter MCT4 is increased in triple negative breast cancer and correlates independently with clinical outcome	J. Doyen , C. Trastour , F. Ettore , I. Peyrottas , N. Toussant , J. Gal , K. Ilc , D. Roux , S.K. Parks , J.M. Ferrero , J. Pouyssegur	Biochemical and Biophysical Research Communications	Vol. 451/Issue 1	Academic Press Inc.	United States	01/08/2014	54-61
423		Decrease lactic acid export via basigin disruption sensitizes A549 cells to phenformin in both normoxic and hypoxic microenvironments	Granja S, Marchiq I, Le Floch R, Moura CS, Baltazar F, Pouyssegur J.	Oncotarget	Submitted	Impact Journals		31/07/2014	-
424		Genetic Disruption of Lactate/H <sup>+</sup> Symporters (MCTs) and their Subunit CD147/BASIGIN Sensitizes Glycolytic Tumor Cells to Phenformin	Marchiq I, Le Floch R, Roux D, Simon MP, Pouyssegur J.	Cancer Research	Submitted	American Association for Cancer Research Inc.		31/07/2014	-
425	<a href="https://doi.org/10.1039/c3lc50759a">10.1039/c3lc50759a</a>	Cell culture monitoring for drug screening and cancer research: a transparent, microfluidic, multi-sensor microsystem	Andreas Weltin , Kinga Slotwinski , Jochen Kieninger , Isabella Moser , Gerhard Jobst , Marcus Wego , Ralf Ehret , Gerald A. Urban	Lab on a Chip - Miniaturisation for Chemistry and Biology	Vol. 14/Issue 1	Royal Society of Chemistry	United Kingdom	01/01/2013	138
426	<a href="https://doi.org/10.1111/i.1365-2184.2013.12089.x">10.1111/i.1365-2184.2013.12089.x</a>	Pericellular oxygen monitoring with integrated sensor chips for reproducible cell culture experiments	J. Kieninger , K. Aravindalochanan , J. A. Sandvik , E. O. Pettersen , G. A. Urban	Cell Proliferation	Vol. 47/Issue 2	Blackwell Publishing	United Kingdom	01/04/2014	180-188
427	<a href="https://doi.org/10.1002/cite.201200129">10.1002/cite.201200129</a>	Pre-Calibrated Biosensors for Single-Use Applications	Isabella Moser , Gerhard Jobst	Chemie-Ingenieur-Technik	Vol. 85/Issue 1-2	Wiley-VCH Verlag	Germany	01/02/2013	172-178
428	<a href="https://doi.org/10.1039/C3LC50759A">10.1039/C3LC50759A</a>	Cell culture monitoring for drug screening and cancer research: a transparent, microfluidic, multi-sensor microsystem	Weltin A, Slotwinski K, Kieninger J, Moser I, Jobst G, Wego M, Ehret R, Urban GA	Lab on a Chip - Miniaturisation for Chemistry and Biology	Vol 14/Issue 1 - epub 23/10/2013	Royal Society of Chemistry		01/01/2014	138-146
429	<a href="https://doi.org/10.1038/ki.2013.245">10.1038/ki.2013.245</a>	Renal cell carcinoma: translational aspects of metabolism and therapeutic consequences	Oscar C Y Yang , Patrick H Maxwell , Patrick J Pollard	Kidney International	Vol. 84/Issue 4	Nature Publishing Group	United Kingdom	01/10/2013	667-681
430	<a href="https://doi.org/10.3892/ol.2012.1001">10.3892/ol.2012.1001</a>	Carbonic anhydrase IX is a clinically significant tissue and serum biomarker associated with renal cell carcinoma	Silvia Pastorekova	Oncology Letters	Vol.5/Issue1	Spandidos Publications	Greece	26/10/2012	191-197
431	<a href="https://doi.org/10.3892/or.2013.2226">10.3892/or.2013.2226</a>	Suppression of carbonic anhydrase IX leads to aberrant focal adhesion and decreased invasion of tumor cells	Juraj Kopacek	Oncology Reports	Vol 29/Issue 3	Spandidos Publications	Greece	04/01/2013	1147-1153
432	<a href="https://doi.org/10.4161/cam.23257">10.4161/cam.23257</a>	Carbonic anhydrase IX: A hypoxia-controlled "catalyst" of cell migration	Eliska Svastova , Silvia Pastorekova	Cell Adhesion and Migration	Vol. 7/Issue 2	Landes Bioscience	United States	01/03/2013	226-231
433	<a href="https://doi.org/10.3389/fphys.2013.00271">10.3389/fphys.2013.00271</a>	The effect of carbonic anhydrase IX on focal contacts during cell spreading and migration	Lucia Csaderova , Michaela Debreova , Peter Radvak , Matej Stano , Magdalena Vrestiakova , Juraj Kopacek , Silvia Pastorekova , Eliska Svastova	Frontiers in Physiology	Vol. 4	Frontiers	Switzerland	01/01/2013	271
434	<a href="https://doi.org/10.4149/av.2013.02.257">10.4149/av.2013.02.257</a>	Modulation of cell surface density of carbonic anhydrase IX by shedding of the ectodomain and endocytosis	M. ZAŤOVIČOVÁ , S. PASTOREKOVÁ	Acta Virologica	Vol. 57/Issue 2	AEP - Academic Electronic Press Ltd.		01/01/2013	257-264
435	<a href="https://doi.org/10.3389/fphys.2013.00400">10.3389/fphys.2013.00400</a>	Carbonic anhydrase IX, a hypoxia-induced catalytic component of the pH regulating machinery in tumors	Olga Sedlakova	Frontiers in Physiology	Vol. 4	Frontiers	Switzerland	01/01/2014	400



Nº	D.O.I.	Title	Author(s)	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages
436	<a href="https://doi.org/10.1016/j.ajpath.2014.01.002">10.1016/j.ajpath.2014.01.002</a>	Expression Pattern of Carbonic Anhydrase IX in Medullary Thyroid Carcinoma Supports a Role for RET-Mediated Activation of the HIF Pathway	Martina Takacova, Petra Bullova, Veronika Simko, Lucia Skvarkova, Martina Poturnajova, Lucia Feketeova, Pavel Babal, Antti J. Kivela, Teijo Kuopio, Juraj Kopacek, Jaromir Pastorek, Seppo Parkkila, Silvia Pastorekova	American Journal of Pathology	Vol. 184/Issue 4	Elsevier Inc.	United States	01/04/2014	953-965
437	<a href="https://doi.org/10.1111/apm.12251">10.1111/apm.12251</a>	Expression of cancer-related carbonic anhydrases IX and XII in normal skin and skin neoplasms	Leo Syrjänen, Tiina Luukkaala, Mari Leppilampi, Matti Kallioinen, Silvia Pastorekova, Jaromir Pastorek, Abdul Waheed, William S. Sly, Seppo Parkkila, Tuomo Karttunen	APMIS : acta pathologica, microbiologica, et immunologica Scandinavica	Vol. 122/Issue 9	Blackwell Munksgaard	Denmark	01/09/2014	880-889
438	<a href="https://doi.org/10.1186/1471-2407-14-358">10.1186/1471-2407-14-358</a>	Carnosine inhibits carbonic anhydrase IX-mediated extracellular acidosis and suppresses growth of HeLa tumor xenografts	Zuzana Ditte, Peter Ditte, Martina Labudova, Veronika Simko, Filippo Iuliano, Miriam Zatovicova, Lucia Csaderova, Silvia Pastorekova, Jaromir Pastorek	BMC Cancer	Vol. 14/Issue 1	BioMed Central	United Kingdom	01/01/2014	358
439	<a href="https://doi.org/10.1016/j.semcancer.2014.08.002">10.1016/j.semcancer.2014.08.002</a>	Hypoxia-induced carbonic anhydrase IX as a target for cancer therapy: From biology to clinical use	Jaromir Pastorek, Silvia Pastorekova	Seminars in Cancer Biology	Vol.27	Academic Press Inc.	United States	01/08/2014	-
440		Cellular hypoxia changes alternative pre-mRNA splicing by regulating SR protein phosphorylation levels.	Jakubauskiene E., Vilys L, Makino Y, Poellinger L, Kanopka A.	Nucleic Acids Research	Submitted.	Oxford University Press		31/07/2014	-
441	<a href="https://doi.org/10.1016/j.radonc.2013.06.018">10.1016/j.radonc.2013.06.018</a>	Targeting carbonic anhydrase IX by nitroimidazole based sulfamides enhances the therapeutic effect of tumor irradiation: A new concept of dual targeting drugs	Ludwig Dubois, Sarah G.J.A. Peeters, Simon J.A. van Kuijk, Ala Yaromina, Natasja G. Lieuwes, Ruchi Saraya, Rianne Biemans, Marouan Rami, Nanda Kumar Parvathaneni, Daniela Vullo, Marc Vooijs, Claudiu T. Supuran, Jean-Yves Winum, Philippe Lambin	Radiotherapy and Oncology	Vol. 108/Issue 3	Elsevier Ireland Ltd	Ireland	01/09/2013	523-528
442	<a href="https://doi.org/10.1021/im4009532">10.1021/im4009532</a>	Hypoxia-Targeting Carbonic Anhydrase IX Inhibitors by a New Series of Nitroimidazole-Sulfonamides/Sulfamides/Sulfamates	Marouan Rami, Ludwig Dubois, Nanda-Kumar Parvathaneni, Vincenzo Alterio, Simon J. A. van Kuijk, Simona Maria Monti, Philippe Lambin, Giuseppina De Simone, Claudiu T. Supuran, Jean-Yves Winum	Journal of Medicinal Chemistry	Vol. 56/Issue 21	American Chemical Society	United States	14/11/2013	8512-8520
443	<a href="https://doi.org/10.1016/j.semradi.2013.05.006">10.1016/j.semradi.2013.05.006</a>	The Roles of Reactive Oxygen Species and Autophagy in Mediating the Tolerance of Tumor Cells to Cycling Hypoxia	Marianne Koritzinsky, Bradley G. Wouters	Seminars in Radiation Oncology	Vol. 23/Issue 4	W.B. Saunders Ltd	United Kingdom	01/10/2013	252-261
444	<a href="https://doi.org/10.1158/1078-0432.CCR-13-0526">10.1158/1078-0432.CCR-13-0526</a>	Hypoxic Activation of the PERK/eIF2 Arm of the Unfolded Protein Response Promotes Metastasis through Induction of LAMP3	H. Mujic, A. Nagelkerke, K. M. A. Rouschop, S. Chung, N. Chaudary, P. N. Span, B. Clarke, M. Milosevic, J. Sykes, R. P. Hill, M. Koritzinsky, B. G. Wouters	Clinical Cancer Research	Vol. 19/Issue 22	American Association for Cancer Research Inc.	United States	15/11/2013	6126-6137
445	<a href="https://doi.org/10.1073/pnas.1210633110">10.1073/pnas.1210633110</a>	PERK/eIF2 signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS	K. M. Rouschop, L. J. Dubois, T. G. Keulers, T. van den Beucken, P. Lambin, J. Bussink, A. J. van der Kogel, M. Koritzinsky, B. G. Wouters	Proceedings of the National Academy of Sciences of the United States	Vol. 110/Issue 12	National Academy of Sciences	United States	19/03/2013	4622-4627
446	<a href="https://doi.org/10.1016/j.jirop.2013.07.023">10.1016/j.jirop.2013.07.023</a>	Hypoxia-Independent Downregulation of Hypoxia-Inducible Factor 1 Targets by Androgen Deprivation Therapy in Prostate Cancer	Harald Bull Ragnum, Kathrine Røe, Ruth Holm, Ljiljana Vlatkovic, Jahn Marthin Nesland, Eva-Katrine Aarnes, Anne Hansen Røe, Kjersti Flatmark, Therese Seierstad, Wolfgang Lilleby, Heidi Lyng	International Journal of Radiation Oncology Biology Physics	Vol. 87/Issue 4	Elsevier Inc.	United States	01/11/2013	753-760
447	<a href="https://doi.org/10.1371/journal.pone.0063723">10.1371/journal.pone.0063723</a>	Hypoxic Tumor Kinase Signaling Mediated by STAT5A in Development of Castration-Resistant Prostate Cancer	Kathrine Røe, Åse Bratland, Ljiljana Vlatkovic, Harald Bull Ragnum, Marie Grøn Sælen, Dag Rune Olsen, Laure Marignol, Anne Hansen Røe	PLoS One	Vol. 8/Issue 5	Public Library of Science	United States	10/05/2013	e63723
448		Targeting Tumour Hypoxia to Prevent Cancer Metastasis. From Biology, Biosensing and Technology to Drug Development: the METOXIA Consortium.	Pettersen EO, Ebbesen P, Gieling RG, Williams KJ, Dubois L, Lambin P et al.	Journal of Enzyme Inhibition and Medicinal Chemistry	In press	Informa Healthcare		31/07/2014	-