

Seppo Parkkila

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

300
papers

13,567
citations

62
h-index

103
g-index

311
ext. papers

14,511
ext. citations

5.2
avg. IF

5.98
L-index

#	Paper	IF	Citations
300	Carbonic Anhydrases in Metazoan Model Organisms: Molecules, Mechanisms, and Physiology.. <i>Physiological Reviews</i> , 2022 ,	47.9	12
299	Cloning, purification, kinetic and anion inhibition studies of a recombinant β carbonic anhydrase from the Atlantic salmon parasite platyhelminth <i>Gyrodactylus salaris</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022 , 37, 1577-1586	5.6	4
298	Beta-Carbonic Anhydrase 1 from <i>Trichomonas Vaginalis</i> as New Antiprotozoan Drug Target. <i>Topics in Medicinal Chemistry</i> , 2021 , 1	0.4	
297	<i>Trichomonas vaginalis</i> Pharmacological Treatment. <i>Topics in Medicinal Chemistry</i> , 2021 , 1	0.4	
296	Biochemical and structural characterization of beta-carbonic anhydrase from the parasite <i>Trichomonas vaginalis</i> . <i>Journal of Molecular Medicine</i> , 2021 , 1	5.5	1
295	Carbonic Anhydrases II and IX in Non-ampullary Duodenal Adenomas and Adenocarcinoma. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 69, 677-690	3.4	1
294	Carbonic Anhydrase Isozymes as Diagnostic Biomarkers and Therapeutic Targets. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2021 , 13-36		
293	Targeting Carbonic Anhydrase Isozymes in the Treatment of Neurological Disorders. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2021 , 103-120		
292	Inhibition of the β carbonic anhydrase from the protozoan pathogen with sulphonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 329-334	5.6	3
291	Infections and systemic inflammation are associated with lower plasma concentration of insulin-like growth factor I among Malawian children. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 380-390	7	0
290	Carbonic Anhydrases II, IX, and XII in Reflux Esophagitis. <i>Digestive Diseases and Sciences</i> , 2021 , 1	4	1
289	Tuberculosis vaccine BCG: the magical effect of the old vaccine in the fight against the COVID-19 pandemic. <i>International Reviews of Immunology</i> , 2021 , 1-14	4.6	11
288	COVID-19 pandemic: SARS-CoV-2 specific vaccines and challenges, protection via BCG trained immunity, and clinical trials. <i>Expert Review of Vaccines</i> , 2021 , 20, 857-880	5.2	11
287	Faecal regenerating 1B protein concentration is not associated with child growth in rural Malawi. <i>Journal of Paediatrics and Child Health</i> , 2021 , 57, 388-394	1.3	1
286	Activation of the β carbonic anhydrase from the protozoan pathogen with amines and amino acids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 758-763	5.6	3
285	Use of pH-interfering agents as chemosensitizers: Clinical studies survey 2021 , 35-43		0
284	The hypoxia-sensor carbonic anhydrase IX affects macrophage metabolism, but is not a suitable biomarker for human cardiovascular disease. <i>Scientific Reports</i> , 2021 , 11, 425	4.9	1

283	An anion and small molecule inhibition study of the β -carbonic anhydrase from. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1088-1092	5.6	5
282	Application of beta and gamma carbonic anhydrase sequences as tools for identification of bacterial contamination in the whole genome sequence of inbred Wuzhishan minipig (<i>Sus scrofa</i>) annotated in databases. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	1
281	Identification and characterization of the first fish parvalbumin-like protein data from a pathogenic fungal species,. <i>Data in Brief</i> , 2020 , 33, 106420	1.2	
280	Hypoxia-Activated Prodrug Derivatives of Carbonic Anhydrase Inhibitors in Benzenesulfonamide Series: Synthesis and Biological Evaluation. <i>Molecules</i> , 2020 , 25,	4.8	5
279	Assessment of databases to determine the validity of β and γ carbonic anhydrase sequences from vertebrates. <i>BMC Genomics</i> , 2020 , 21, 352	4.5	7
278	Biochemical and structural characterisation of a protozoan beta-carbonic anhydrase from. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 1292-1299	5.6	18
277	Tellurides Bearing Sulfonamides as Novel Inhibitors of Leishmanial Carbonic Anhydrase with Potent Antileishmanial Activity. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4306-4314	8.3	17
276	The Expression of Carbonic Anhydrases II, IX and XII in Brain Tumors. <i>Cancers</i> , 2020 , 12,	6.6	11
275	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2. <i>PLoS ONE</i> , 2020 , 15, e0240647	3.7	17
274	Design, synthesis, inhibition and toxicological evaluation of human carbonic anhydrases I, II and IX inhibitors in 5-nitroimidazole series. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 109-117	5.6	12
273	inhibition of γ -carbonic anhydrase 3 with Mono- and dithiocarbamates and evaluation of their toxicity using zebrafish developing embryos. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 65-71	5.6	11
272	Inhibition of the newly discovered β -carbonic anhydrase from the protozoan pathogen <i>Trichomonas vaginalis</i> with inorganic anions and small molecules. <i>Journal of Inorganic Biochemistry</i> , 2020 , 213, 111274	4.2	8
271	Sulphonamide inhibition profile of β -carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 1834-1839	5.6	8
270	Toxicity evaluation of sulfamides and coumarins that efficiently inhibit human carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 1765-1772	5.6	4
269	A structure-based approach towards the identification of novel antichagasic compounds: carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 21-30	5.6	8
268	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
267	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
266	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		

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264	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
263	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
262	Engineered Carbonic Anhydrase VI-Mimic Enzyme Switched the Structure and Affinities of Inhibitors. <i>Scientific Reports</i> , 2019 , 9, 12710	4.9	3
261	Rapid Evaluation of Toxicity of Chemical Compounds Using Zebrafish Embryos. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	8
260	Discovery of new organoselenium compounds as antileishmanial agents. <i>Bioorganic Chemistry</i> , 2019 , 86, 339-345	5.1	23
259	Catalytically inactive carbonic anhydrase-related proteins enhance transport of lactate by MCT1. <i>FEBS Open Bio</i> , 2019 , 9, 1204-1211	2.7	8
258	Phytochemicals as Modulators of Long Non-Coding RNAs and Inhibitors of Cancer-Related Carbonic Anhydrases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	28
257	Efficacy of Novel CA IX Inhibitors in Biological Models 2019 , 265-287		
256	Activation Studies of the β Carbonic Anhydrase from the Pathogenic Protozoan with Amino Acids and Amines. <i>Metabolites</i> , 2019 , 9,	5.6	7
255	Carbonic anhydrases from pathogens 2019 , 449-475		3
254	β -Carbonic Anhydrases: Novel Targets for Developing Antituberculosis Drugs. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
253	R-Ras regulates vascular permeability, but not overall healing in skin wounds. <i>Experimental Dermatology</i> , 2019 , 28, 202-206	4	3
252	Activation studies with amines and amino acids of the β carbonic anhydrase from the pathogenic protozoan <i>Leishmania donovani</i> chagasi. <i>Bioorganic Chemistry</i> , 2018 , 78, 406-410	5.1	17
251	Anion inhibition studies of a beta carbonic anhydrase from the malaria mosquito <i>Anopheles gambiae</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 359-363	5.6	5
250	Surveillance and diagnosis of zoonotic foodborne parasites. <i>Food Science and Nutrition</i> , 2018 , 6, 3-17	3.2	18
249	Carbonic anhydrases II, IX, and XII in Barrett's esophagus and adenocarcinoma. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2018 , 473, 567-575	5.1	10
248	An Update on the Metabolic Roles of Carbonic Anhydrases in the Model Alga <i>Chlamydomonas reinhardtii</i> . <i>Metabolites</i> , 2018 , 8,	5.6	26

247	Activation studies with amines and amino acids of the α -carbonic anhydrase from the pathogenic protozoan <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 4187-4190	3.4	12
246	Weak HIF-1 α expression indicates poor prognosis in resectable pancreatic ductal adenocarcinoma. <i>World Journal of Surgical Oncology</i> , 2018 , 16, 127	3.4	5
245	Involvement of α -Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	9
244	Nitroimidazole-based inhibitors DTP338 and DTP348 are safe for zebrafish embryos and efficiently inhibit the activity of human CA IX in <i>Xenopus</i> oocytes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 1064-1073	5.6	13
243	Sulfonamide Inhibition Studies of a New α -Carbonic Anhydrase from the Pathogenic Protozoan. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	7
242	Carbonic Anhydrase Inhibitors as Novel Drugs against Mycobacterial α -Carbonic Anhydrases: An Update on and Studies. <i>Molecules</i> , 2018 , 23,	4.8	14
241	Cloning, Characterization and Anion Inhibition Studies of a α -Carbonic Anhydrase from the Pathogenic Protozoan. <i>Molecules</i> , 2018 , 23,	4.8	7
240	Carbonic anhydrase related protein expression in astrocytomas and oligodendroglial tumors. <i>BMC Cancer</i> , 2018 , 18, 584	4.8	11
239	Toll-like receptors 2, 4 and 9 and hypoxia markers HIF-1 α and CAIX in pancreatic intraepithelial neoplasia. <i>Apmis</i> , 2018 , 126, 852-863	3.4	5
238	Carbonic anhydrase II: a novel biomarker for pseudomyxoma peritonei. <i>Apmis</i> , 2017 , 125, 207-212	3.4	9
237	Role of carbonic anhydrases in skin wound healing. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e334	12.8	23
236	ECA-specific inhibitor dithiocarbamate Fc14-584B: a novel antimycobacterial agent with potential to treat drug-resistant tuberculosis. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 832-840	5.6	29
235	An update on anticancer drug development and delivery targeting carbonic anhydrase IX. <i>PeerJ</i> , 2017 , 5, e4068	3.1	15
234	Fluorinated benzenesulfonamide anticancer inhibitors of carbonic anhydrase IX exhibit lower toxic effects on zebrafish embryonic development than ethoxzolamide. <i>Drug and Chemical Toxicology</i> , 2017 , 40, 309-319	2.3	13
233	Identification and characterization of a novel zebrafish (<i>Danio rerio</i>) pentraxin-carbonic anhydrase. <i>PeerJ</i> , 2017 , 5, e4128	3.1	5
232	Anti-carbonic anhydrase autoantibodies and serum beta-2 microglobulin correlate with the ClinESDAI score in patients with Sjögren's syndrome. <i>Clinical and Experimental Rheumatology</i> , 2017 , 35, 351	2.2	1
231	Identification and inhibition of carbonic anhydrases from nematodes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 176-184	5.6	15
230	Horizontal transfer of α -carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. <i>Parasites and Vectors</i> , 2016 , 9, 152	4	14

229	Carbonic anhydrase enzymes II, VII, IX and XII in colorectal carcinomas. <i>World Journal of Gastroenterology</i> , 2016 , 22, 8168-77	5.6	32
228	Altered gene expression in the lower respiratory tract of Car6 (-/-) mice. <i>Transgenic Research</i> , 2016 , 25, 649-64	3.3	4
227	Innovative molecular diagnosis of Trichinella species based on β carbonic anhydrase genomic sequence. <i>Microbial Biotechnology</i> , 2016 , 9, 172-9	6.3	11
226	Carbonic anhydrase IX deposits are associated with increased ascending aortic dilatation. <i>Scandinavian Cardiovascular Journal</i> , 2016 , 50, 162-6	2	2
225	Carbonic Anhydrase XIII 2015 , 207-219		
224	The β carbonic anhydrase from the malaria mosquito Anopheles gambiae is highly inhibited by sulfonamides. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 2303-9	3.4	20
223	Discovery of 1,1'-Biphenyl-4-sulfonamides as a New Class of Potent and Selective Carbonic Anhydrase XIV Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8564-72	8.3	34
222	Ascaris lumbricoides β carbonic anhydrase: a potential target enzyme for treatment of ascariasis. <i>Parasites and Vectors</i> , 2015 , 8, 479	4	20
221	Drosophila melanogaster: a model organism for controlling Dipteran vectors and pests. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 505-13	5.6	33
220	β carbonic anhydrase is required for female fertility in Drosophila melanogaster. <i>Frontiers in Zoology</i> , 2015 , 12, 19	2.8	6
219	Inactivation of ca10a and ca10b Genes Leads to Abnormal Embryonic Development and Alters Movement Pattern in Zebrafish. <i>PLoS ONE</i> , 2015 , 10, e0134263	3.7	14
218	Secreted Carbonic Anhydrase Isoenzyme VI 2015 , 139-149		
217	A new class of quinazoline-sulfonamides acting as efficient inhibitors against the β carbonic anhydrase from Trypanosoma cruzi. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 581-5	5.6	19
216	Bioinformatic analysis of beta carbonic anhydrase sequences from protozoans and metazoans. <i>Parasites and Vectors</i> , 2014 , 7, 38	4	23
215	Expression pattern of carbonic anhydrase IX in Medullary thyroid carcinoma supports a role for RET-mediated activation of the HIF pathway. <i>American Journal of Pathology</i> , 2014 , 184, 953-965	5.8	27
214	The role of carbonic anhydrase VI in bitter taste perception: evidence from the Car6 ^{+/?} mouse model. <i>Journal of Biomedical Science</i> , 2014 , 21, 82	13.3	37
213	Expression of the CHOP-inducible carbonic anhydrase CAVI-b is required for BDNF-mediated protection from hypoxia. <i>Brain Research</i> , 2014 , 1543, 28-37	3.7	6
212	Design, synthesis, and evaluation of hydroxamic acid derivatives as promising agents for the management of Chagas disease. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 298-308	8.3	64

211	Development and characterization of new monoclonal antibodies against human recombinant CA XII. <i>BioMed Research International</i> , 2014 , 2014, 309307	3	7
210	Expression of cancer-related carbonic anhydrases IX and XII in normal skin and skin neoplasms. <i>Apmis</i> , 2014 , 122, 880-9	3.4	16
209	The structural comparison between membrane-associated human carbonic anhydrases provides insights into drug design of selective inhibitors. <i>Biopolymers</i> , 2014 , 101, 769-78	2.2	39
208	Carbonic anhydrase related proteins: molecular biology and evolution. <i>Sub-Cellular Biochemistry</i> , 2014 , 75, 135-56	5.5	50
207	Beta carbonic anhydrases: novel targets for pesticides and anti-parasitic agents in agriculture and livestock husbandry. <i>Parasites and Vectors</i> , 2014 , 7, 403	4	18
206	Sulfonamide inhibition studies of the β -carbonic anhydrase from <i>Drosophila melanogaster</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2797-801	2.9	10
205	Expression patterns and subcellular localization of carbonic anhydrases are developmentally regulated during tooth formation. <i>PLoS ONE</i> , 2014 , 9, e96007	3.7	25
204	Hsp27 and its expression pattern in diffusely infiltrating astrocytomas. <i>Histology and Histopathology</i> , 2014 , 29, 1161-8	1.4	6
203	A class of sulfonamides with strong inhibitory action against the β -carbonic anhydrase from <i>Trypanosoma cruzi</i> . <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 5773-81	8.3	51
202	An update on carbonic anhydrase-related proteins VIII, X and XI. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013 , 28, 1129-42	5.6	23
201	Carbonic anhydrase IX in malignant pleural mesotheliomas: a potential target for anti-cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1483-8	3.4	11
200	Cloning, characterization, and sulfonamide and thiol inhibition studies of an β -carbonic anhydrase from <i>Trypanosoma cruzi</i> , the causative agent of Chagas disease. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1761-71	8.3	81
199	Characterization, bioinformatic analysis and dithiocarbamate inhibition studies of two new β -carbonic anhydrases, CAH1 and CAH2, from the fruit fly <i>Drosophila melanogaster</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1516-21	3.4	15
198	Anion inhibition studies of the β -carbonic anhydrase from the protozoan pathogen <i>Trypanosoma cruzi</i> , the causative agent of Chagas disease. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 4472-6	3.4	45
197	Analysis of evolution of carbonic anhydrases IV and XV reveals a rich history of gene duplications and a new group of isozymes. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1503-10	3.4	11
196	Cloning, characterization, and inhibition studies of a β -carbonic anhydrase from <i>Leishmania donovani chagasi</i> , the protozoan parasite responsible for leishmaniasis. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 7372-81	8.3	79
195	Carbonic anhydrase III: a neglected isozyme is stepping into the limelight. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013 , 28, 231-9	5.6	69
194	Bone morphogenetic protein 4 expression in multiple normal and tumor tissues reveals its importance beyond development. <i>Modern Pathology</i> , 2013 , 26, 10-21	9.8	39

193	Abnormal cerebellar development and ataxia in CARP VIII morphant zebrafish. <i>Human Molecular Genetics</i> , 2013 , 22, 417-32	5.6	32
192	Effect of genetic polymorphisms in CA6 gene on the expression and catalytic activity of human salivary carbonic anhydrase VI. <i>Caries Research</i> , 2013 , 47, 414-20	4.2	22
191	Expression of carbonic anhydrase IX in human fetal joints, ligaments and tendons: a potential marker of mechanical stress in fetal development?. <i>Anatomy and Cell Biology</i> , 2013 , 46, 272-84	1.4	2
190	Expression of carbonic anhydrase in the fetal eye and extra-ocular tissues. <i>Okajimas Folia Anatomica Japonica</i> , 2013 , 90, 59-68	0.3	3
189	The expression patterns of gremlin 1 and noggin in normal adult and tumor tissues. <i>International Journal of Clinical and Experimental Pathology</i> , 2013 , 6, 1400-8	1.4	20
188	Brain phenotype of carbonic anhydrase IX-deficient mice. <i>Transgenic Research</i> , 2012 , 21, 163-76	3.3	22
187	Serendipitous fragment-based drug discovery: ketogenic diet metabolites and statins effectively inhibit several carbonic anhydrases. <i>Chemical Communications</i> , 2012 , 48, 3551-3	5.8	22
186	Protein-protein interactions: inhibition of mammalian carbonic anhydrases I-XV by the murine inhibitor of carbonic anhydrase and other members of the transferrin family. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 5529-35	8.3	25
185	Carbonic anhydrase isozymes II, IX, and XII in uterine tumors. <i>Apmis</i> , 2012 , 120, 117-29	3.4	27
184	Novel monoclonal antibodies specific for CTLD-SSC and sialomucin domains of endosialin, a mural cell marker of tumor vasculature. <i>International Journal of Oncology</i> , 2012 , 41, 1365-72	4.4	3
183	Astrocytic Tumors: Role of Carbonic Anhydrase IX 2012 , 65-71		
182	Oral colonization by <i>Streptococcus mutans</i> and caries development is reduced upon deletion of carbonic anhydrase VI expression in saliva. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011 , 1812, 1567-76	6.9	28
181	Characterization of non-specific cytotoxic cell receptor protein 1: a new member of the lectin-type subfamily of F-box proteins. <i>PLoS ONE</i> , 2011 , 6, e27152	3.7	15
180	Gene expression profiling in the submandibular gland, stomach, and duodenum of CAVI-deficient mice. <i>Transgenic Research</i> , 2011 , 20, 675-98	3.3	14
179	Glucocorticoid receptor-mediated transcriptional activation of S100P gene coding for cancer-related calcium-binding protein. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 3373-84	4.7	4
178	Novel carbonic anhydrase autoantibodies and renal manifestations in patients with primary Sjogren's syndrome. <i>Rheumatology</i> , 2011 , 50, 1453-7	3.9	37
177	Acetaldehyde-derived modifications on cytosolic human carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011 , 26, 862-70	5.6	18
176	Carbonic anhydrase VIII potential prognostic marker in gliomas. <i>Health</i> , 2011 , 03, 6-12	0.4	10

175	Inhibition and binding studies of carbonic anhydrase isozymes I, II and IX with benzimidazo[1,2-c][1,2,3]thiadiazole-7-sulphonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 863-70	5.6	64
174	Carbonic anhydrase II. A novel biomarker for gastrointestinal stromal tumors. <i>Modern Pathology</i> , 2010 , 23, 743-50	9.8	68
173	The coumarin-binding site in carbonic anhydrase accommodates structurally diverse inhibitors: the antiepileptic lacosamide as an example and lead molecule for novel classes of carbonic anhydrase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 850-4	8.3	110
172	Analysis of a shortened form of human carbonic anhydrase VII expressed in vitro compared to the full-length enzyme. <i>Biochimie</i> , 2010 , 92, 1072-80	4.6	28
171	Serum 25-hydroxyvitamin D at pregnancy and risk of breast cancer in a prospective study. <i>European Journal of Cancer</i> , 2010 , 46, 467-70	7.5	17
170	Carbonic anhydrases II and XII are up-regulated in osteoclast-like cells in advanced human atherosclerotic plaques-Tampere Vascular Study. <i>Annals of Medicine</i> , 2010 , 42, 360-70	1.5	38
169	The effects of storage time and sampling season on the stability of serum 25-hydroxy vitamin D and androstenedione. <i>Nutrition and Cancer</i> , 2010 , 62, 51-7	2.8	86
168	Carbonic anhydrase related protein VIII and its role in neurodegeneration and cancer. <i>Current Pharmaceutical Design</i> , 2010 , 16, 3264-76	3.3	34
167	Carbonic anhydrases in the mouse harderian gland. <i>Journal of Molecular Histology</i> , 2010 , 41, 411-7	3.3	3
166	Global transcriptional response to carbonic anhydrase IX deficiency in the mouse stomach. <i>BMC Genomics</i> , 2010 , 11, 397	4.5	10
165	Specific expression profile and prognostic significance of peroxiredoxins in grade II-IV astrocytic brain tumors. <i>BMC Cancer</i> , 2010 , 10, 104	4.8	22
164	The tumour-associated carbonic anhydrases CA II, CA IX and CA XII in a group of medulloblastomas and supratentorial primitive neuroectodermal tumours: an association of CA IX with poor prognosis. <i>BMC Cancer</i> , 2010 , 10, 148	4.8	60
163	Crystal structure of the C183S/C217S mutant of human CA VII in complex with acetazolamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 5023-6	2.9	73
162	Characterization of the first beta-class carbonic anhydrase from an arthropod (<i>Drosophila melanogaster</i>) and phylogenetic analysis of beta-class carbonic anhydrases in invertebrates. <i>BMC Biochemistry</i> , 2010 , 11, 28	4.8	57
161	Phylogeny and expression of carbonic anhydrase-related proteins. <i>BMC Molecular Biology</i> , 2010 , 11, 25	4.5	58
160	The most recently discovered carbonic anhydrase, CA XV, is expressed in the thick ascending limb of Henle and in the collecting ducts of mouse kidney. <i>PLoS ONE</i> , 2010 , 5, e9624	3.7	4
159	T tubules and surface membranes provide equally effective pathways of carbonic anhydrase-facilitated lactic acid transport in skeletal muscle. <i>PLoS ONE</i> , 2010 , 5, e15137	3.7	26
158	Global transcriptional response to Hfe deficiency and dietary iron overload in mouse liver and duodenum. <i>PLoS ONE</i> , 2009 , 4, e7212	3.7	10

157	Carbonic anhydrases in meningiomas: association of endothelial carbonic anhydrase II with aggressive tumor features. <i>Journal of Neurosurgery</i> , 2009 , 111, 472-7	3.2	17
156	Crystal structure of the catalytic domain of the tumor-associated human carbonic anhydrase IX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16233-8	11.5	399
155	Expression of iron-related genes in human brain and brain tumors. <i>BMC Neuroscience</i> , 2009 , 10, 36	3.2	50
154	Crystal structure of human carbonic anhydrase XIII and its complex with the inhibitor acetazolamide. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 74, 164-75	4.2	90
153	Carbonic anhydrase activators. Activation of the membrane-associated isoform XV with amino acids and amines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3430-3	2.9	11
152	Carbonic anhydrase inhibitors: the membrane-associated isoform XV is highly inhibited by inorganic anions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1155-8	2.9	13
151	The protein tyrosine kinase inhibitors imatinib and nilotinib strongly inhibit several mammalian alpha-carbonic anhydrase isoforms. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 4102-6	2.9	64
150	Cloning, expression, post-translational modifications and inhibition studies on the latest mammalian carbonic anhydrase isoform, CA XV. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 646-54	8.3	23
149	Alternative splicing variant of the hypoxia marker carbonic anhydrase IX expressed independently of hypoxia and tumour phenotype. <i>British Journal of Cancer</i> , 2008 , 98, 129-36	8.7	65
148	Hypoxia upregulates expression of human endosialin gene via hypoxia-inducible factor 2. <i>British Journal of Cancer</i> , 2008 , 99, 1348-56	8.7	46
147	Significance of pH regulation and carbonic anhydrases in tumour progression and implications for diagnostic and therapeutic approaches. <i>BJU International</i> , 2008 , 101 Suppl 4, 16-21	5.6	38
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