

Ashok Aspatwar

List of Publications by Citations

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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.

37 papers	502 citations	13 h-index	20 g-index
40 ext. papers	634 ext. citations	5.5 avg, IF	3.98 L-index

#	Paper	IF	Citations
37	Phylogeny and expression of carbonic anhydrase-related proteins. <i>BMC Molecular Biology</i> , 2010 , 11, 25	4.5	58
36	Carbonic anhydrase related proteins: molecular biology and evolution. <i>Sub-Cellular Biochemistry</i> , 2014 , 75, 135-56	5.5	50
35	Carbonic anhydrase related protein VIII and its role in neurodegeneration and cancer. <i>Current Pharmaceutical Design</i> , 2010 , 16, 3264-76	3.3	34
34	Abnormal cerebellar development and ataxia in CARP VIII morphant zebrafish. <i>Human Molecular Genetics</i> , 2013 , 22, 417-32	5.6	32
33	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
32	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
31	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
30	Zebrafish as a Model Organism for the Development of Drugs for Skin Cancer. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	23
29	-Carbonic Anhydrases: Novel Targets for Developing Antituberculosis Drugs. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
28	An update on anticancer drug development and delivery targeting carbonic anhydrase IX. <i>PeerJ</i> , 2017 , 5, e4068	3.1	15
27	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
26	Carbonic Anhydrase Inhibitors as Novel Drugs against Mycobacterial β -Carbonic Anhydrases: An Update on and Studies. <i>Molecules</i> , 2018 , 23,	4.8	14
25	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
24	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
23	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
22	Carbonic Anhydrases in Metazoan Model Organisms: Molecules, Mechanisms, and Physiology.. <i>Physiological Reviews</i> , 2022 ,	47.9	12
21	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

20	inhibition of -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
19	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
18	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
17	Carbonic anhydrase related protein expression in astrocytomas and oligodendroglial tumors. <i>BMC Cancer</i> , 2018 , 18, 584	4.8	11
16	Rapid Evaluation of Toxicity of Chemical Compounds Using Zebrafish Embryos. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	8
15	Catalytically inactive carbonic anhydrase-related proteins enhance transport of lactate by MCT1. <i>FEBS Open Bio</i> , 2019 , 9, 1204-1211	2.7	8
14	Cytokine profile and nitric oxide levels in peritoneal macrophages of BALB/c mice exposed to the fucose-mannose ligand of Leishmania infantum combined with glycyrrhizin. <i>Parasites and Vectors</i> , 2020 , 13, 363	4	8
13	Genetic diversity analysis of Blastocystis subtypes and their distribution among the domestic animals and pigeons in northwest of Iran. <i>Infection, Genetics and Evolution</i> , 2020 , 86, 104591	4.5	6
12	Hypoxia-Activated Prodrug Derivatives of Carbonic Anhydrase Inhibitors in Benzenesulfonamide Series: Synthesis and Biological Evaluation. <i>Molecules</i> , 2020 , 25,	4.8	5
11	Evolutionary analysis of WD40 super family proteins involved in spindle checkpoint and RNA export: molecular evolution of spindle checkpoint. <i>Bioinformation</i> , 2008 , 2, 461-8	1.1	5
10	Identification and characterization of a novel zebrafish () pentraxin-carbonic anhydrase. <i>PeerJ</i> , 2017 , 5, e4128	3.1	5
9	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
8	Cloning, purification, kinetic and anion inhibition studies of a recombinant E-carbonic anhydrase from the Atlantic salmon parasite platyhelminth Gyrodactylus salaris. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022 , 37, 1577-1586	5.6	4
7	SARS-CoV-2 variants and COVID-19 vaccines: Current challenges and future strategies. <i>International Reviews of Immunology</i> , 1-22	4.6	4
6	Carbonic anhydrases from pathogens 2019 , 449-475		3
5	Bionomics and phylo-molecular analysis of species isolated from human lesions using ITS1 genes in north-east of Iran. <i>Journal of Parasitic Diseases</i> , 2021 , 45, 754-761	1.3	0
4	Immunogenic properties of empty pcDNA3 plasmid against zoonotic cutaneous leishmaniasis in mice.. <i>PLoS ONE</i> , 2022 , 17, e0263993	3.7	0
3	Efficacy of Novel CA IX Inhibitors in Biological Models 2019 , 265-287		

2 Carbonic Anhydrase XIII **2015**, 207-219

1 Targeting Carbonic Anhydrase Isozymes in the Treatment of Neurological Disorders. *Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques*, **2021**, 103-120