Harlan R Barker

List of Publications by Citations

39 papers	416 citations	13 h-index	19 g-index
41 ext. papers	544 ext. citations	6.5 avg, IF	3.74 L-index

#	Paper	IF	Citations
39	Chromatin accessibility is associated with CRISPR-Cas9 efficiency in the zebrafish (Danio rerio). *PLoS ONE*, **2018**, 13, e0196238	3.7	52
38	CA-specific inhibitor dithiocarbamate Fc14-584B: a novel antimycobacterial agent with potential to treat drug-resistant tuberculosis. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2017**, 32, 832-840	5.6	29
37	Wnt5a and ROR1 activate non-canonical Wnt signaling via RhoA in TCF3-PBX1 acute lymphoblastic leukemia and highlight new treatment strategies via Bcl-2 co-targeting. *Oncogene*, **2019**, 38, 3288-3300	9.2	27
36	Role of carbonic anhydrases in skin wound healing. *Experimental and Molecular Medicine*, **2017**, 49, e334	12.8	23
35	Bioinformatic analysis of beta carbonic anhydrase sequences from protozoans and metazoans. *Parasites and Vectors*, **2014**, 7, 38	4	23
34	Zebrafish as a Model Organism for the Development of Drugs for Skin Cancer. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	23
33	Molecular Mechanisms Associated with ROR1-Mediated Drug Resistance: Crosstalk with Hippo-YAP/TAZ and BMI-1 Pathways. *Cells*, **2019**, 8,	7.9	21
32	Ascaris lumbricoides carbonic anhydrase: a potential target enzyme for treatment of ascariasis. *Parasites and Vectors*, **2015**, 8, 479	4	20
31	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2. *PLoS ONE*, **2020**, 15, e0240647	3.7	17
30	Glucocorticoids induce differentiation and chemoresistance in ovarian cancer by promoting ROR1-mediated stemness. *Cell Death and Disease*, **2020**, 11, 790	9.8	17
29	Identification and inhibition of carbonic anhydrases from nematodes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2016**, 31, 176-184	5.6	15
28	Horizontal transfer of carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. *Parasites and Vectors*, **2016**, 9, 152	4	14
27	Inactivation of ca10a and ca10b Genes Leads to Abnormal Embryonic Development and Alters Movement Pattern in Zebrafish. *PLoS ONE*, **2015**, 10, e0134263	3.7	14
26	Nitroimidazole-based inhibitors DTP338 and DTP348 are safe for zebrafish embryos and efficiently inhibit the activity of human CA IX in Xenopus oocytes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 1064-1073	5.6	13
25	Design, synthesis, inhibition and toxicological evaluation of human carbonic anhydrases I, II and IX inhibitors in 5-nitroimidazole series. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2020**, 35, 109-117	5.6	12
24	Carbonic Anhydrases in Metazoan Model Organisms: Molecules, Mechanisms, and Physiology.. *Physiological Reviews*, **2022**,	47.9	12
23	Analysis of evolution of carbonic anhydrases IV and XV reveals a rich history of gene duplications and a new group of isozymes. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 1503-10	3.4	11

22	Carbonic anhydrase related protein expression in astrocytomas and oligodendroglial tumors. *BMC Cancer*, **2018**, 18, 584	4.8	11
21	Furin deficiency in myeloid cells leads to attenuated revascularization in a mouse-model of oxygen-induced retinopathy. *Experimental Eye Research*, **2018**, 166, 160-167	3.7	9
20	Targeting Wnt signaling pseudokinases in hematological cancers. *European Journal of Haematology*, **2018**, 101, 457-465	3.8	9
19	Involvement of Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	9
18	Interaction between ROR1 and MuSK activation complex in myogenic cells. *FEBS Letters*, **2018**, 592, 434-445	3.8	6
17	Identification and characterization of a novel zebrafish () pentraxin-carbonic anhydrase. *PeerJ*, **2017**, 5, e4128	3.1	5
16	Genotyping determination of Acanthamoeba strains: an original study and a systematic review in Iran. *Journal of Water and Health*, **2019**, 17, 717-727	2.2	4
15	Altered gene expression in the lower respiratory tract of Car6 (-/-) mice. *Transgenic Research*, **2016**, 25, 649-64	3.3	4
14	Cloning, purification, kinetic and anion inhibition studies of a recombinant carbonic anhydrase from the Atlantic salmon parasite platyhelminth Gyrodactylus salaris. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2022**, 37, 1577-1586	5.6	4
13	Carbonic anhydrases from pathogens **2019**, 449-475		3
12	R-Ras regulates vascular permeability, but not overall healing in skin wounds. *Experimental Dermatology*, **2019**, 28, 202-206	4	3
11	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2		2
10	Evolution is in the details: Regulatory differences in modern human and Neanderthal		2
9	Evaluating Targeted Therapies in Ovarian Cancer Metabolism: Novel Role for PCSK9 and Second Generation mTOR Inhibitors. *Cancers*, **2021**, 13,	6.6	2
8	Efficacy of Novel CA IX Inhibitors in Biological Models **2019**, 265-287		
7	Carbonic Anhydrase XIII **2015**, 207-219		
6	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 **2020**, 15, e0240647		
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1 Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 **2020**, 15, e0240647