

Harlan R Barker

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9156403/harlan-r-barker-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Carbonic Anhydrases in Metazoan Model Organisms: Molecules, Mechanisms, and Physiology.. <i>Physiological Reviews</i> , 2022 ,	47.9	12
38	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
37	Evaluating Targeted Therapies in Ovarian Cancer Metabolism: Novel Role for PCSK9 and Second Generation mTOR Inhibitors. <i>Cancers</i> , 2021 , 13,	6.6	2
36	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2. <i>PLoS ONE</i> , 2020 , 15, e0240647	3.7	17
35	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
34	Glucocorticoids induce differentiation and chemoresistance in ovarian cancer by promoting ROR1-mediated stemness. <i>Cell Death and Disease</i> , 2020 , 11, 790	9.8	17
33	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
32	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
31	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
30	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
29	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
28	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2 2020 , 15, e0240647		
27	Efficacy of Novel CA IX Inhibitors in Biological Models 2019 , 265-287		
26	Molecular Mechanisms Associated with ROR1-Mediated Drug Resistance: Crosstalk with Hippo-YAP/TAZ and BMI-1 Pathways. <i>Cells</i> , 2019 , 8,	7.9	21
25	Carbonic anhydrases from pathogens 2019 , 449-475		3
24	Genotyping determination of <i>Acanthamoeba</i> strains: an original study and a systematic review in Iran. <i>Journal of Water and Health</i> , 2019 , 17, 717-727	2.2	4
23	R-Ras regulates vascular permeability, but not overall healing in skin wounds. <i>Experimental Dermatology</i> , 2019 , 28, 202-206	4	3

22	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. <i>Oncogene</i> , 2019 , 38, 3288-3300	9.2	27
21	Interaction between ROR1 and MuSK activation complex in myogenic cells. <i>FEBS Letters</i> , 2018 , 592, 434-445	3.8	6
20	Furin deficiency in myeloid cells leads to attenuated revascularization in a mouse-model of oxygen-induced retinopathy. <i>Experimental Eye Research</i> , 2018 , 166, 160-167	3.7	9
19	Chromatin accessibility is associated with CRISPR-Cas9 efficiency in the zebrafish (Danio rerio). <i>PLoS ONE</i> , 2018 , 13, e0196238	3.7	52
18	Targeting Wnt signaling pseudokinases in hematological cancers. <i>European Journal of Haematology</i> , 2018 , 101, 457-465	3.8	9
17	Involvement of Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	9
16	Nitroimidazole-based inhibitors DTP338 and DTP348 are safe for zebrafish embryos and efficiently inhibit the activity of human CA IX in Xenopus oocytes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 1064-1073	5.6	13
15	Carbonic anhydrase related protein expression in astrocytomas and oligodendroglial tumors. <i>BMC Cancer</i> , 2018 , 18, 584	4.8	11
14	Role of carbonic anhydrases in skin wound healing. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e334	12.8	23
13	CA-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
12	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
11	Identification and characterization of a novel zebrafish () pentraxin-carbonic anhydrase. <i>PeerJ</i> , 2017 , 5, e4128	3.1	5
10	Identification and inhibition of carbonic anhydrases from nematodes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 176-184	5.6	15
9	Horizontal transfer of carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. <i>Parasites and Vectors</i> , 2016 , 9, 152	4	14
8	Altered gene expression in the lower respiratory tract of Car6 (-/-) mice. <i>Transgenic Research</i> , 2016 , 25, 649-64	3.3	4
7	Carbonic Anhydrase XIII		207-219
6	Ascaris lumbricoides carbonic anhydrase: a potential target enzyme for treatment of ascariasis. <i>Parasites and Vectors</i> , 2015 , 8, 479	4	20
5	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

4	Bioinformatic analysis of beta carbonic anhydrase sequences from protozoans and metazoans. <i>Parasites and Vectors</i> , 2014 , 7, 38	4	23
3	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
2	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2		2
1	Evolution is in the details: Regulatory differences in modern human and Neanderthal		2