

Harlan R Barker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9156403/publications.pdf>

Version: 2024-02-01

38
papers

650
citations

567247

15
h-index

610883

24
g-index

41
all docs

41
docs citations

41
times ranked

969
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatin accessibility is associated with CRISPR-Cas9 efficiency in the zebrafish (<i>Danio rerio</i>). <i>PLoS ONE</i> , 2018, 13, e0196238.	2.5	82
2	Carbonic anhydrases in metazoan model organisms: molecules, mechanisms, and physiology. <i>Physiological Reviews</i> , 2022, 102, 1327-1383.	28.8	44
3	Zebrafish as a Model Organism for the Development of Drugs for Skin Cancer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1550.	4.1	39
4	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.	5.9	39
5	Glucocorticoids induce differentiation and chemoresistance in ovarian cancer by promoting ROR1-mediated stemness. <i>Cell Death and Disease</i> , 2020, 11, 790.	6.3	38
6	\hat{I}^2 -CA-specific inhibitor dithiocarbamate Fc14 \hat{a} 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.	5.2	36
7	Molecular Mechanisms Associated with ROR1-Mediated Drug Resistance: Crosstalk with Hippo-YAP/TAZ and BMI-1 Pathways. <i>Cells</i> , 2019, 8, 812.	4.1	30
8	Role of carbonic anhydrases in skin wound healing. <i>Experimental and Molecular Medicine</i> , 2017, 49, e334-e334.	7.7	29
9	Bioinformatic analysis of beta carbonic anhydrase sequences from protozoans and metazoans. <i>Parasites and Vectors</i> , 2014, 7, 38.	2.5	28
10	<i>Ascaris lumbricoides</i> \hat{I}^2 carbonic anhydrase: a potential target enzyme for treatment of ascariasis. <i>Parasites and Vectors</i> , 2015, 8, 479.	2.5	26
11	Bioinformatic characterization of angiotensin-converting enzyme 2, the entry receptor for SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0240647.	2.5	24
12	Identification and inhibition of carbonic anhydrases from nematodes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 176-184.	5.2	23
13	Horizontal transfer of \hat{I}^2 -carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. <i>Parasites and Vectors</i> , 2016, 9, 152.	2.5	21
14	Design, synthesis, <i>in vitro</i> 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.	5.2	20
15	Inactivation of ca10a and ca10b Genes Leads to Abnormal Embryonic Development and Alters Movement Pattern in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0134263.	2.5	16
16	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, 1503-1510.	3.0	14
17	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.	2.6	14
18	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.	5.2	14

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19	Carbonic anhydrase related protein expression in astrocytomas and oligodendroglial tumors. BMC Cancer, 2018, 18, 584.	2.6	13
20	Targeting Wnt signaling pseudokinases in hematological cancers. European Journal of Haematology, 2018, 101, 457-465.	2.2	13
21	Involvement of $\hat{1}^2$ -Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. Applied and Environmental Microbiology, 2018, 84, .	3.1	13
22	Evaluating Targeted Therapies in Ovarian Cancer Metabolism: Novel Role for PCSK9 and Second Generation mTOR Inhibitors. Cancers, 2021, 13, 3727.	3.7	13
23	Cloning, purification, kinetic and anion inhibition studies of a recombinant $\hat{1}^2$ -carbonic anhydrase from the Atlantic salmon parasite platyhelminth <i>Cyrodactylus salaris</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1577-1586.	5.2	10
24	Interaction between $\langle \text{ROR} \rangle 1$ and $\text{Mu} \langle \text{SK} \rangle$ activation complex in myogenic cells. FEBS Letters, 2018, 592, 434-445.	2.8	8
25	Ras regulates vascular permeability, but not overall healing in skin wounds. Experimental Dermatology, 2019, 28, 202-206.	2.9	8
26	Identification and characterization of a novel zebrafish (<i>Danio rerio</i>) pentraxin-carbonic anhydrase. PeerJ, 2017, 5, e4128.	2.0	8
27	Altered gene expression in the lower respiratory tract of Car6 $\hat{\wedge}^{\wedge}$ mice. Transgenic Research, 2016, 25, 649-664.	2.4	7
28	Genotyping determination of Acanthamoeba strains: an original study and a systematic review in Iran. Journal of Water and Health, 2019, 17, 717-727.	2.6	6
29	Carbonic anhydrases from pathogens. , 2019, , 449-475.		3
30	The production and biochemical characterization of $\hat{1}^{\pm}$ -carbonic anhydrase from Lactobacillus rhamnosus GG. Applied Microbiology and Biotechnology, 2022, 106, 4065-4074.	3.6	3
31	Carbonic Anhydrase XIII. , 2015, , 207-219.		0
32	Efficacy of Novel CA IX Inhibitors in Biological Models. , 2019, , 265-287.		0
33	Title is missing!. , 2020, 15, e0240647.		0
34	Title is missing!. , 2020, 15, e0240647.		0
35	Title is missing!. , 2020, 15, e0240647.		0
36	Title is missing!. , 2020, 15, e0240647.		0

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37	Title is missing!. , 2020, 15, e0240647.		0
38	Title is missing!. , 2020, 15, e0240647.		0