

Lars Br autigam

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,005
citations

623734

14
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	MTH1 inhibition eradicates cancer by preventing sanitation of the dNTP pool. <i>Nature</i> , 2014, 508, 215-221.	27.8	419
2	Glutaredoxin regulates vascular development by reversible glutathionylation of sirtuin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20057-20062.	7.1	77
3	Vertebrate-specific glutaredoxin is essential for brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20532-20537.	7.1	71
4	Zebrafish heart development is regulated via glutaredoxin 2 dependent migration and survival of neural crest cells. <i>Redox Biology</i> , 2014, 2, 673-678.	9.0	43
5	Hypoxic Signaling and the Cellular Redox Tumor Environment Determine Sensitivity to MTH1 Inhibition. <i>Cancer Research</i> , 2016, 76, 2366-2375.	0.9	40
6	MGST1, a GSH transferase/peroxidase essential for development and hematopoietic stem cell differentiation. <i>Redox Biology</i> , 2018, 17, 171-179.	9.0	37
7	An orthotopic glioblastoma animal model suitable for high-throughput screenings. <i>Neuro-Oncology</i> , 2018, 20, 1475-1484.	1.2	37
8	VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5944-53.	7.1	33
9	Visualization of human T lymphocyte-mediated eradication of cancer cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22910-22919.	7.1	32
10	CCT3- <i>LINC00326</i> axis regulates hepatocarcinogenic lipid metabolism. <i>Gut</i> , 2022, 71, 2081-2092.	12.1	32
11	Glioblastoma and glioblastoma stem cells are dependent on functional MTH1. <i>Oncotarget</i> , 2017, 8, 84671-84684.	1.8	29
12	Nitric oxide-dependent biodegradation of graphene oxide reduces inflammation in the gastrointestinal tract. <i>Nanoscale</i> , 2020, 12, 16730-16737.	5.6	26
13	AXL and CAV-1 play a role for MTH1 inhibitor TH1579 sensitivity in cutaneous malignant melanoma. <i>Cell Death and Differentiation</i> , 2020, 27, 2081-2098.	11.2	20
14	Mutations in Cancer Cause Gain of Cysteine, Histidine, and Tryptophan at the Expense of a Net Loss of Arginine on the Proteome Level. <i>Biomolecules</i> , 2017, 7, 49.	4.0	19
15	A Chemical Screen Identifies Compounds Limiting the Toxicity of C9ORF72 Dipeptide Repeats. <i>Cell Chemical Biology</i> , 2019, 26, 235-243.e5.	5.2	16
16	An unusual mode of iron-sulfur-cluster coordination in a teleost glutaredoxin. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 491-496.	2.1	15
17	Development of a chemical probe against NUDT15. <i>Nature Chemical Biology</i> , 2020, 16, 1120-1128.	8.0	14
18	MutT homologue 1 (MTH1) catalyzes the hydrolysis of mutagenic O6-methyl-dGTP. <i>Nucleic Acids Research</i> , 2018, 46, 10888-10904.	14.5	13

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19	MutT homologue 1 (MTH1) removes N6-methyl-dATP from the dNTP pool. <i>Journal of Biological Chemistry</i> , 2020, 295, 4761-4772.	3.4	10
20	Oxidants and Redox Signaling: Perspectives in Cancer Therapy, Inflammation, and Plasma Medicine. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.	4.0	8
21	MTH1 as a target to alleviate T cell driven diseases by selective suppression of activated T cells. <i>Cell Death and Differentiation</i> , 2021, , .	11.2	6
22	Glutaredoxin 2 promotes SP-1-dependent CSPG4 transcription and migration of wound healing NG2 glia and glioma cells: Enzymatic Taoism. <i>Redox Biology</i> , 2022, 49, 102221.	9.0	6
23	A Systematic Analysis of Metal and Metalloid Concentrations in Eight Zebrafish Recirculating Water Systems. <i>Zebrafish</i> , 2021, 18, 252-264.	1.1	2
24	Novel loss-of-function variant in DENND5A impedes melanosomal cargo transport and predisposes to familial cutaneous melanoma. <i>Genetics in Medicine</i> , 2022, 24, 157-169.	2.4	0