

# Kyle R Brimacombe

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,927  
citations

394421

19  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

6274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remdesivir: A Review of Its Discovery and Development Leading to Emergency Use Authorization for Treatment of COVID-19. <i>ACS Central Science</i> , 2020, 6, 672-683.	11.3	684
2	Pyruvate kinase M2 activators promote tetramer formation and suppress tumorigenesis. <i>Nature Chemical Biology</i> , 2012, 8, 839-847.	8.0	614
3	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. <i>Nature Chemical Biology</i> , 2016, 12, 452-458.	8.0	389
4	Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. <i>Nature</i> , 2015, 522, 216-220.	27.8	336
5	Synthesis and Structure-Activity Evaluation of Isatin- $\hat{I}^2$ -thiosemicarbazones with Improved Selective Activity toward Multidrug-Resistant Cells Expressing P-Glycoprotein. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5878-5889.	6.4	101
6	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9184-9204.	6.4	98
7	Assessing inhibitors of mutant isocitrate dehydrogenase using a suite of pre-clinical discovery assays. <i>Scientific Reports</i> , 2017, 7, 12758.	3.3	59
8	A Dual-Fluorescence High-Throughput Cell Line System for Probing Multidrug Resistance. <i>Assay and Drug Development Technologies</i> , 2009, 7, 233-249.	1.2	53
9	Lysosomal trapping of a radiolabeled substrate of P-glycoprotein as a mechanism for signal amplification in PET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2593-2598.	7.1	50
10	High-throughput screening with nucleosome substrate identifies small-molecule inhibitors of the human histone lysine methyltransferase NSD2. <i>Journal of Biological Chemistry</i> , 2018, 293, 13750-13765.	3.4	46
11	<i>N</i> -desmethyl-Loperamide Is Selective for P-Glycoprotein among Three ATP-Binding Cassette Transporters at the Blood-Brain Barrier. <i>Drug Metabolism and Disposition</i> , 2010, 38, 917-922.	3.3	40
12	Inhibition of Glutathione Peroxidase Mediates the Collateral Sensitivity of Multidrug-resistant Cells to Tiopronin. <i>Journal of Biological Chemistry</i> , 2014, 289, 21473-21489.	3.4	37
13	Collateral Sensitivity of Multidrug-Resistant Cells to the Orphan Drug Tiopronin. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4987-4997.	6.4	35
14	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
15	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10984-11011.	6.4	30
16	Identification of ML251, a Potent Inhibitor of <i>T. brucei</i> and <i>T. cruzi</i> Phosphofructokinase. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 12-17.	2.8	27
17	Cloning and embryonic expression patterns of the chicken CELF family. <i>Developmental Dynamics</i> , 2007, 236, 2216-2224.	1.8	26
18	Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1727-1739.	3.0	23

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19	A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. <i>Molecular Pharmacology</i> , 2019, 96, 629-640.	2.3	22
20	CELF-mediated alternative splicing is required for cardiac function during early, but not later, postnatal life. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 395-404.	1.9	20
21	Structure activity relationships of human galactokinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 721-727.	2.2	20
22	Muscleblind-like 1 is a negative regulator of TGF $\beta$ -dependent epithelial-mesenchymal transition of atrioventricular canal endocardial cells. <i>Developmental Dynamics</i> , 2009, 238, 3266-3272.	1.8	18
23	PKM2 activation sensitizes cancer cells to growth inhibition by 2-deoxy-D-glucose. <i>Oncotarget</i> , 2017, 8, 90959-90968.	1.8	14
24	Structure-activity relationship studies and biological characterization of human NAD <sup>+</sup> -dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 630-635.	2.2	13
25	Discovery and Optimization of 2-H <sup>1</sup> -Pyridin-2-one Inhibitors of Mutant Isocitrate Dehydrogenase 1 for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4913-4946.	6.4	12
26	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127974.	2.2	2