

Kyle R Brimacombe

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,927
citations

394286
19
h-index

477173
29
g-index

32
all docs

32
docs citations

32
times ranked

6274
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Discovery and Optimization of 2 <i>H</i> -1 ² -Pyridin-2-one Inhibitors of Mutant Isocitrate Dehydrogenase 1 for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4913-4946. | 2.9 | 12 |
| 2 | Optimization of ether and aniline based inhibitors of lactate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127974. | 1.0 | 2 |
| 3 | Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10984-11011. | 2.9 | 30 |
| 4 | 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. | 5.3 | 684 |
| 5 | A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. <i>Molecular Pharmacology</i> , 2019, 96, 629-640. | 1.0 | 22 |
| 6 | Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1727-1739. | 1.4 | 23 |
| 7 | Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741. | 5.3 | 32 |
| 8 | 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. | 1.6 | 46 |
| 9 | Assessing inhibitors of mutant isocitrate dehydrogenase using a suite of pre-clinical discovery assays. <i>Scientific Reports</i> , 2017, 7, 12758. | 1.6 | 59 |
| 10 | Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9184-9204. | 2.9 | 98 |
| 11 | PKM2 activation sensitizes cancer cells to growth inhibition by 2-deoxy-D-glucose. <i>Oncotarget</i> , 2017, 8, 90959-90968. | 0.8 | 14 |
| 12 | A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. <i>Nature Chemical Biology</i> , 2016, 12, 452-458. | 3.9 | 389 |
| 13 | Structure activity relationships of human galactokinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 721-727. | 1.0 | 20 |
| 14 | Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. <i>Nature</i> , 2015, 522, 216-220. | 13.7 | 336 |
| 15 | Inhibition of Glutathione Peroxidase Mediates the Collateral Sensitivity of Multidrug-resistant Cells to Tiopronin. <i>Journal of Biological Chemistry</i> , 2014, 289, 21473-21489. | 1.6 | 37 |
| 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. | 1.3 | 27 |
| 17 | Structure-activity relationship studies and biological characterization of human NAD ⁺ -dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 630-635. | 1.0 | 13 |
| 18 | Pyruvate kinase M2 activators promote tetramer formation and suppress tumorigenesis. <i>Nature Chemical Biology</i> , 2012, 8, 839-847. | 3.9 | 614 |

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|----|--|-----|-----------|
| 19 | Collateral Sensitivity of Multidrug-Resistant Cells to the Orphan Drug Tiopronin. Journal of Medicinal Chemistry, 2011, 54, 4987-4997. | 2.9 | 35 |
| 20 | Synthesis and Structure-Activity Evaluation of Isatin- β -thiosemicarbazones with Improved Selective Activity toward Multidrug-Resistant Cells Expressing P-Glycoprotein. Journal of Medicinal Chemistry, 2011, 54, 5878-5889. | 2.9 | 101 |
| 21 | Lysosomal trapping of a radiolabeled substrate of P-glycoprotein as a mechanism for signal amplification in PET. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2593-2598. | 3.3 | 50 |
| 22 | <i>N</i> -desmethyl-Loperamide Is Selective for P-Glycoprotein among Three ATP-Binding Cassette Transporters at the Blood-Brain Barrier. Drug Metabolism and Disposition, 2010, 38, 917-922. | 1.7 | 40 |
| 23 | A Dual-Fluorescence High-Throughput Cell Line System for Probing Multidrug Resistance. Assay and Drug Development Technologies, 2009, 7, 233-249. | 0.6 | 53 |
| 24 | Muscleblind-like 1 is a negative regulator of TGF β -dependent epithelial-mesenchymal transition of atrioventricular canal endocardial cells. Developmental Dynamics, 2009, 238, 3266-3272. | 0.8 | 18 |
| 25 | CELF-mediated alternative splicing is required for cardiac function during early, but not later, postnatal life. Journal of Molecular and Cellular Cardiology, 2009, 46, 395-404. | 0.9 | 20 |
| 26 | Cloning and embryonic expression patterns of the chicken CELF family. Developmental Dynamics, 2007, 236, 2216-2224. | 0.8 | 26 |