

Katie J Simmons

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

453
citations

840119

11
h-index

752256

20
g-index

31
all docs

31
docs citations

31
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanism of ligand recognition by membrane transport protein, Mhp1. <i>EMBO Journal</i> , 2014, 33, 1831-1844.	3.5	79
2	Inhibition of D-Ala:D-Ala ligase through a phosphorylated form of the antibiotic D-cycloserine. <i>Nature Communications</i> , 2017, 8, 1939.	5.8	59
3	Cyclic dinucleotides bind the C-linker of HCN4 to control channel cAMP responsiveness. <i>Nature Chemical Biology</i> , 2014, 10, 457-462.	3.9	50
4	Human TRPC5 structures reveal interaction of a xanthine-based TRPC1/4/5 inhibitor with a conserved lipid binding site. <i>Communications Biology</i> , 2020, 3, 704.	2.0	36
5	Mitoketoscins: Novel mitochondrial inhibitors for targeting ketone metabolism in cancer stem cells (CSCs). <i>Oncotarget</i> , 2017, 8, 78340-78350.	0.8	31
6	Extending enzyme molecular recognition with an expanded amino acid alphabet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2610-2615.	3.3	30
7	Structure Guided Development of Potent Reversibly Binding Penicillin Binding Protein Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 219-223.	1.3	28
8	Docking of competitive inhibitors to the P2X7 receptor family reveals key differences responsible for changes in response between rat and human. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3164-3167.	1.0	24
9	Inhibition of complement C3 and fibrinogen interaction: a potential novel therapeutic target to reduce cardiovascular disease in diabetes. <i>Lancet, The</i> , 2015, 385, S57.	6.3	19
10	Applications of structure-based design to antibacterial drug discovery. <i>Bioorganic Chemistry</i> , 2014, 55, 69-76.	2.0	18
11	Recent developments in the structural characterisation of the IR and IGF1R: implications for the design of IR-IGF1R hybrid receptor modulators. <i>RSC Medicinal Chemistry</i> , 2022, 13, 360-374.	1.7	12
12	Divergent effects of genetic and pharmacological inhibition of Nox2 NADPH oxidase on insulin resistance-related vascular damage. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C64-C74.	2.1	11
13	Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. <i>PLoS Pathogens</i> , 2020, 16, e1008716.	2.1	9
14	Xanthine-based photoaffinity probes allow assessment of ligand engagement by TRPC5 channels. <i>RSC Chemical Biology</i> , 2020, 1, 436-448.	2.0	9
15	Fibrinogen interaction with complement C3: a potential therapeutic target to reduce thrombosis risk. <i>Haematologica</i> , 2021, 106, 1616-1623.	1.7	9
16	Novel Paracrine Action of Endothelium Enhances Glucose Uptake in Muscle and Fat. <i>Circulation Research</i> , 2021, 129, 720-734.	2.0	7
17	Affinity-based proteomics reveals novel binding partners for Rab46 in endothelial cells. <i>Scientific Reports</i> , 2021, 11, 4054.	1.6	6
18	PTPRD and DCC Are Novel BACE1 Substrates Differentially Expressed in Alzheimer's Disease: A Data Mining and Bioinformatics Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4568.	1.8	4

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19	A virtual high-throughput screening approach to the discovery of novel inhibitors of the bacterial leucine transporter, LeuT. <i>Molecular Membrane Biology</i> , 2013, 30, 184-194.	2.0	3
20	<i>N</i> -alkylpyridinium-functionalised cyclotrighuaiacylene hosts as axles in branched [4]pseudorotaxane formation. <i>Supramolecular Chemistry</i> , 2017, 29, 430-440.	1.5	2
21	Cixutumumab reveals a critical role for IGF-1 in adipose and hepatic tissue remodelling during the development of diet-induced obesity. <i>Adipocyte</i> , 2022, 11, 366-378.	1.3	2
22	Title is missing!. , 2020, 16, e1008716.		0
23	Title is missing!. , 2020, 16, e1008716.		0
24	Title is missing!. , 2020, 16, e1008716.		0
25	Title is missing!. , 2020, 16, e1008716.		0
26	Title is missing!. , 2020, 16, e1008716.		0
27	Title is missing!. , 2020, 16, e1008716.		0