Katie J Simmons

List of Publications by Year
in descending order

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	Recent developments in the structural characterisation of the IR and IGF1R: implications for the design of IRâ€“IGF1R hybrid receptor modulators. RSC Medicinal Chemistry, 2022, 13, 360-374.	1.7	12
2	PTPRD and DCC Are Novel BACE1 Substrates Differentially Expressed in Alzheimerâ€™s Disease: A Data Mining and Bioinformatics Study. International Journal of Molecular Sciences, 2022, 23, 4568.	1.8	4
3	Cixutumumab reveals a critical role for IGF-1 in adipose and hepatic tissue remodelling during the development of diet-induced obesity. Adipocyte, 2022, 11, 366-378.	1.3	2
4	Fibrinogen interaction with complement C3: a potential therapeutic target to reduce thrombosis risk. Haematologica, 2021, 106, 1616-1623.	1.7	9
5	Affinity-based proteomics reveals novel binding partners for Rab46 in endothelial cells. Scientific Reports, 2021, 11, 4054.	1.6	6
6	Novel Paracrine Action of Endothelium Enhances Glucose Uptake in Muscle and Fat. Circulation Research, 2021, 129, 720-734.	2.0	7
7	Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. PLoS Pathogens, 2020, 16, e1008716.	2.1	9
8	Human TRPC5 structures reveal interaction of a xanthine-based TRPC1/4/5 inhibitor with a conserved lipid binding site. Communications Biology, 2020, 3, 704.	2.0	36
9	Xanthine-based photoaffinity probes allow assessment of ligand engagement by TRPC5 channels. RSC Chemical Biology, 2020, 1, 436-448.	2.0	9
10	Divergent effects of genetic and pharmacological inhibition of Nox2 NADPH oxidase on insulin resistance-related vascular damage. American Journal of Physiology - Cell Physiology, 2020, 319, C64-C74.	2.1	11
11	Title is missing!. , 2020, 16, e1008716.		0
12	Title is missing!. , 2020, 16, e1008716.		0
13	Title is missing!. , 2020, 16, e1008716.		0
14	Title is missing!. , 2020, 16, e1008716.		0
15	Title is missing!. , 2020, 16, e1008716.		0
16	Title is missing!. , 2020, 16, e1008716.		0
17	Extending enzyme molecular recognition with an expanded amino acid alphabet. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2610-2615.	3.3	30
18	Tris-N-alkylpyridinium-functionalised cyclotriguaiacylene hosts as axles in branched [4]pseudorotaxane formation. Supramolecular Chemistry, 2017, 29, 430-440.	1.5	2

#	Article	IF	Citations
19	Inhibition of D-Ala:D-Ala ligase through a phosphorylated form of the antibiotic D-cycloserine. Nature Communications, 2017, 8, 1939.	5.8	59
20	Mitoketoscins: Novel mitochondrial inhibitors for targeting ketone metabolism in cancer stem cells (CSCs). Oncotarget, 2017, 8, 78340-78350.	0.8	31
21	Docking of competitive inhibitors to the P2X7 receptor family reveals key differences responsible for changes in response between rat and human. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3164-3167.	1.0	24
22	Inhibition of complement C3 and fibrinogen interaction: a potential novel therapeutic target to reduce cardiovascular disease in diabetes. Lancet, The, 2015, 385, S57.	6.3	19
23	Cyclic dinucleotides bind the C-linker of HCN4 to control channel cAMP responsiveness. Nature Chemical Biology, 2014, 10, 457-462.	3.9	50
24	Applications of structure-based design to antibacterial drug discovery. Bioorganic Chemistry, 2014, 55, 69-76.	2.0	18
25	Molecular mechanism of ligand recognition by membrane transport protein, Mhp1. EMBO Journal, 2014, 33, 1831-1844.	3.5	79
26	A virtual high-throughput screening approach to the discovery of novel inhibitors of the bacterial leucine transporter, LeuT. Molecular Membrane Biology, 2013, 30, 184-194.	2.0	3
27	Structure Guided Development of Potent Reversibly Binding Penicillin Binding Protein Inhibitors. ACS Medicinal Chemistry Letters, 2011, 2, 219-223.	1.3	28