

Connor J Cooper

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

769
citations

840728

11
h-index

713444

21
g-index

25
all docs

25
docs citations

25
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	Property space mapping of <i>Pseudomonas aeruginosa</i> permeability to small molecules. <i>Scientific Reports</i> , 2022, 12, 8220.	3.3	9
2	β -Barrel proteins tether the outer membrane in many Gram-negative bacteria. <i>Nature Microbiology</i> , 2021, 6, 19-26.	13.3	46
3	Machine learning-based prediction of enzyme substrate scope: Application to bacterial nitrilases. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 336-347.	2.6	30
4	Antitumor T-cell Immunity Contributes to Pancreatic Cancer Immune Resistance. <i>Cancer Immunology Research</i> , 2021, 9, 386-400.	3.4	9
5	Hotspot Coevolution Is a Key Identifier of Near-Native Protein Complexes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6058-6067.	2.6	1
6	Mechanistic Investigation of Dimethylmercury Formation Mediated by a Sulfide Mineral Surface. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5397-5405.	2.5	3
7	Pretreatment with Sodium Methyl Mercaptide Increases Carbohydrate Yield during Kraft Pulping. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11571-11580.	6.7	3
8	Mechanistic Duality of Bacterial Efflux Substrates and Inhibitors: Example of Simple Substituted Cinnamoyl and Naphthyl Amides. <i>ACS Infectious Diseases</i> , 2021, 7, 2650-2665.	3.8	16
9	Lpp positions peptidoglycan at the AcrA-TolC interface in the AcrAB-TolC multidrug efflux pump. <i>Biophysical Journal</i> , 2021, 120, 3973-3982.	0.5	13
10	Supercomputer-Based Ensemble Docking Drug Discovery Pipeline with Application to Covid-19. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 5832-5852.	5.4	134
11	Structure determination of the HgcAB complex using metagenome sequence data: insights into microbial mercury methylation. <i>Communications Biology</i> , 2020, 3, 320.	4.4	30
12	Discovery of multidrug efflux pump inhibitors with a novel chemical scaffold. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129546.	2.4	33
13	Co(salen)-Catalyzed Oxidation of Lignin Models to Form Benzoquinones and Benzaldehydes: A Computational and Experimental Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7225-7234.	6.7	18
14	Horizontal transfer of a pathway for coumarate catabolism unexpectedly inhibits purine nucleotide biosynthesis. <i>Molecular Microbiology</i> , 2019, 112, 1784-1797.	2.5	5
15	Environmental Mercury Chemistry "In Silico". <i>Accounts of Chemical Research</i> , 2019, 52, 379-388.	15.6	40
16	Exceptional response and multisystem autoimmune-like toxicities associated with the same T cell clone in a patient with uveal melanoma treated with immune checkpoint inhibitors. , 2019, 7, 61.		40
17	Targeted isolation and cultivation of uncultivated bacteria by reverse genomics. <i>Nature Biotechnology</i> , 2019, 37, 1314-1321.	17.5	231
18	Substrate Binding Induces Conformational Changes in a Class A β -lactamase That Prime It for Catalysis. <i>ACS Catalysis</i> , 2018, 8, 2428-2437.	11.2	27

#	ARTICLE	IF	CITATIONS
19	The role of differing probe and target strand lengths in DNA microarrays investigated via Monte Carlo molecular simulation. <i>Chemical Physics Letters</i> , 2018, 693, 127-131.	2.6	1
20	Molecular Properties That Define the Activities of Antibiotics in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 1223-1234.	3.8	54
21	Modeling of the Passive Permeation of Mercury and Methylmercury Complexes Through a Bacterial Cytoplasmic Membrane. <i>Environmental Science & Technology</i> , 2017, 51, 10595-10604.	10.0	15
22	The effect of unequal strand length on short DNA duplex hybridization in a model microarray system: A Monte Carlo simulation study. <i>Chemical Physics Letters</i> , 2015, 634, 230-235.	2.6	2