

Eric J M Lang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

346
citations

1040056

9
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Born Implicit Solvent Models Do Not Reproduce Secondary Structures of <i>De Novo</i> -Designed Glu/Lys Peptides. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4070-4076.	5.3	9
2	Structural resolution of switchable states of a <i>de novo</i> peptide assembly. <i>Nature Communications</i> , 2021, 12, 1530.	12.8	16
3	Constructing ion channels from water-soluble α -helical barrels. <i>Nature Chemistry</i> , 2021, 13, 643-650.	13.6	59
4	Multiscale Workflow for Modeling Ligand Complexes of Zinc Metalloproteins. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 5658-5672.	5.4	10
5	Diverse allosteric componentry and mechanisms control entry into aromatic metabolite biosynthesis. <i>Current Opinion in Structural Biology</i> , 2020, 65, 159-167.	5.7	11
6	Resistance to the β -lactam antibiotic colistin: a single-zinc mechanism for phosphointermediate formation in MCR enzymes. <i>Chemical Communications</i> , 2020, 56, 6874-6877.	4.1	10
7	Domain cross-talk within a bifunctional enzyme provides catalytic and allosteric functionality in the biosynthesis of aromatic amino acids. <i>Journal of Biological Chemistry</i> , 2019, 294, 4828-4842.	3.4	8
8	Maintaining and breaking symmetry in homomeric coiled-coil assemblies. <i>Nature Communications</i> , 2018, 9, 4132.	12.8	45
9	Structural and functional characterisation of the entry point to pyocyanin biosynthesis in <i>Pseudomonas aeruginosa</i> defines a new 3-deoxy- α -arabino-heptulosonate 7-phosphate synthase subclass. <i>Bioscience Reports</i> , 2018, 38, .	2.4	14
10	<i>De Novo</i> -Designed α -Helical Barrels as Receptors for Small Molecules. <i>ACS Synthetic Biology</i> , 2018, 7, 1808-1816.	3.8	60
11	Interdomain Conformational Changes Provide Allosteric Regulation en Route to Chorismate. <i>Journal of Biological Chemistry</i> , 2016, 291, 21836-21847.	3.4	22
12	Calculated pK_a Variations Expose Dynamic Allosteric Communication Networks. <i>Journal of the American Chemical Society</i> , 2016, 138, 2036-2045.	13.7	18
13	Allosteric ACTION: the varied ACT domains regulating enzymes of amino-acid metabolism. <i>Current Opinion in Structural Biology</i> , 2014, 29, 102-111.	5.7	64