

Stuart A Macgowan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,029
citations

933447

10
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

1844
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of common mutations in the SARS-CoV-2 Spike RBD and its ligand, the human ACE2 receptor on binding affinity and kinetics. <i>ELife</i> , 2021, 10, .	6.0	267
2	Chlorophylls, Symmetry, Chirality, and Photosynthesis. <i>Symmetry</i> , 2014, 6, 781-843.	2.2	169
3	Conformational control of cofactors in nature – the influence of protein-induced macrocycle distortion on the biological function of tetrapyrroles. <i>Chemical Communications</i> , 2015, 51, 17031-17063.	4.1	169
4	Severe dermatitis, multiple allergies, and metabolic wasting syndrome caused by a novel mutation in the N-terminal plakin domain of desmoplakin. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1268-1276.	2.9	103
5	PDBe-KB: a community-driven resource for structural and functional annotations. <i>Nucleic Acids Research</i> , 2020, 48, D344-D353.	14.5	87
6	Mutations involving the SRY-related gene SOX8 are associated with a spectrum of human reproductive anomalies. <i>Human Molecular Genetics</i> , 2018, 27, 1228-1240.	2.9	64
7	Expanding the clinical spectrum of hereditary fibrosing poikiloderma with tendon contractures, myopathy and pulmonary fibrosis due to FAM111B mutations. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 135.	2.7	42
8	Computational Quantification of the Physicochemical Effects of Heme Distortion: Redox Control in the Reaction Center Cytochrome Subunit of <i>Blastochloris viridis</i> . <i>Inorganic Chemistry</i> , 2013, 52, 1228-1237.	4.0	20
9	Conformational control of cofactors in nature – functional tetrapyrrole conformations in the photosynthetic reaction centers of purple bacteria. <i>Chemical Communications</i> , 2011, 47, 11621.	4.1	18
10	Contribution of bacteriochlorophyll conformation to the distribution of site-energies in the FMO protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 427-442.	1.0	17
11	The Dundee Resource for Sequence Analysis and Structure Prediction. <i>Protein Science</i> , 2020, 29, 277-297.	7.6	14
12	Missense variants in human ACE2 strongly affect binding to SARS-CoV-2 Spike providing a mechanism for ACE2 mediated genetic risk in Covid-19: A case study in affinity predictions of interface variants. <i>PLoS Computational Biology</i> , 2022, 18, e1009922.	3.2	9
13	Disease related single point mutations alter the global dynamics of a tetratricopeptide (TPR) \pm -solenoid domain. <i>Journal of Structural Biology</i> , 2020, 209, 107405.	2.8	7
14	Ankyrin repeats in context with human population variation. <i>PLoS Computational Biology</i> , 2021, 17, e1009335.	3.2	5