

Stuart A Macgowan

List of Publications by Year in descending order

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14
papers

1,029
citations

933447

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h-index

996975

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g-index

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docs citations

22
times ranked

1844
citing authors

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