

Rana Hussein Ali

List of Publications by Year in descending order

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10
papers

1,145
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

1342
citing authors

#	ARTICLE	IF	CITATIONS
1	Room temperature XFEL crystallography reveals asymmetry in the vicinity of the two phylloquinones in photosystem I. <i>Scientific Reports</i> , 2021, 11, 21787.	3.3	11
2	Effects of x-ray free-electron laser pulse intensity on the Mn K β $1,3$ x-ray emission spectrum in photosystem II—A case study for metalloprotein crystals and solutions. <i>Structural Dynamics</i> , 2021, 8, 064302.	2.3	10
3	Structural dynamics in the water and proton channels of photosystem II during the S2 to S3 transition. <i>Nature Communications</i> , 2021, 12, 6531.	12.8	73
4	Solution Structure of the Detergent—Photosystem II Core Complex Investigated by Small-Angle Scattering Techniques. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8583-8592.	2.6	13
5	Untangling the sequence of events during the S ₂ \rightarrow S ₃ transition in photosystem II and implications for the water oxidation mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12624-12635.	7.1	149
6	Extending electron paramagnetic resonance to nanoliter volume protein single crystals using a self-resonant microhelix. <i>Science Advances</i> , 2019, 5, eaay1394.	10.3	21
7	Optimizing Crystal Size of Photosystem II by Macroseeding: Toward Neutron Protein Crystallography. <i>Crystal Growth and Design</i> , 2018, 18, 85-94.	3.0	9
8	Structures of the intermediates of Kok's photosynthetic water oxidation clock. <i>Nature</i> , 2018, 563, 421-425.	27.8	386
9	Drop-on-demand sample delivery for studying biocatalysts in action at X-ray free-electron lasers. <i>Nature Methods</i> , 2017, 14, 443-449.	19.0	150
10	Structure of photosystem II and substrate binding at room temperature. <i>Nature</i> , 2016, 540, 453-457.	27.8	323