

Manoj Mandal

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Redox Potential of the Oxygen-Evolving Complex in the Electron Transfer Cascade of Photosystem II. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 249-255.	4.6	32
2	Proton exit pathways surrounding the oxygen evolving complex of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148446.	1.0	30
3	Energetics of Ionized Water Molecules in the H-Bond Network near the Ca ²⁺ and Cl ⁻ Binding Sites in Photosystem II. <i>Biochemistry</i> , 2020, 59, 3216-3224.	2.5	22
4	Role of redox-inactive metals in controlling the redox potential of heterometallic manganese-oxido clusters. <i>Photosynthesis Research</i> , 2021, 148, 153-159.	2.9	17
5	Redox potentials along the redox-active low-barrier H-bonds in electron transfer pathways. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25467-25473.	2.8	17
6	Microsecond molecular dynamics simulation of guanidinium chloride induced unfolding of ubiquitin. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21706-21716.	2.8	16
7	Tracing the Pathways of Waters and Protons in Photosystem II and Cytochrome c Oxidase. <i>Inorganics</i> , 2019, 7, 14.	2.7	15
8	Requirement of Chloride for the Downhill Electron Transfer Pathway from the Water-Splitting Center in Natural Photosynthesis. <i>Journal of Physical Chemistry B</i> , 2022, 126, 123-131.	2.6	13
9	Characterization of ammonia binding to the second coordination shell of the oxygen-evolving complex of photosystem II. <i>Dalton Transactions</i> , 2017, 46, 16089-16095.	3.3	12
10	Concentration-dependent like-charge pairing of guanidinium ions and effect of guanidinium chloride on the structure and dynamics of water from all-atom molecular dynamics simulation. <i>Physical Review E</i> , 2013, 88, 052708.	2.1	10
11	The Nature of the Short Oxygen-Oxygen Distance in the Mn ₄ CaO ₆ Complex of Photosystem II Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10262-10268.	4.6	10
12	Two Distinct Oxygen-Radical Conformations in the X-ray Free Electron Laser Structures of Photosystem II. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4032-4037.	4.6	5
13	Release of Electrons and Protons from Substrate Water Molecules at the Oxygen-Evolving Complex in Photosystem II. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	5
14	Ubiquitin folds via a flip-twist-lock mechanism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140299.	2.3	3
15	Localization and dynamics of the anticarcinogenic curcumin with GM1 and other micellar assemblies. <i>Glycoconjugate Journal</i> , 2017, 34, 171-179.	2.7	1
16	Release of a Proton and Formation of a Low-Barrier Hydrogen Bond between Tyrosine D and D2-His189 in Photosystem II. <i>ACS Physical Chemistry Au</i> , 0, , .	4.0	1