

Atanu Acharya

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,019
citations

566801

15
h-index

642321

23
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26
all docs

26
docs citations

26
times ranked

1754
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolving the Hydride Transfer Pathway in Oxidative Conversion of Proline to Pyrrole. <i>Biochemistry</i> , 2022, 61, 206-215.	1.2	5
2	A 300-fold conductivity increase in microbial cytochrome nanowires due to temperature-induced restructuring of hydrogen bonding networks. <i>Science Advances</i> , 2022, 8, eabm7193.	4.7	28
3	Restoring and Enhancing the Potency of Existing Antibiotics against Drug-Resistant Gram-Negative Bacteria through the Development of Potent Small-Molecule Adjuvants. <i>ACS Infectious Diseases</i> , 2022, 8, 1491-1508.	1.8	10
4	Gatekeeping Ketosynthases Dictate Initiation of Assembly Line Biosynthesis of Pyrrolic Polyketides. <i>Journal of the American Chemical Society</i> , 2021, 143, 7617-7622.	6.6	10
5	Machine Learning Reveals the Critical Interactions for SARS-CoV-2 Spike Protein Binding to ACE2. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5494-5502.	2.1	44
6	Inward-facing glycine residues create sharp turns in β^2 -barrel membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183662.	1.4	7
7	ACE2 glycans preferentially interact with SARS-CoV-2 over SARS-CoV. <i>Chemical Communications</i> , 2021, 57, 5949-5952.	2.2	26
8	Inhibitor binding influences the protonation states of histidines in SARS-CoV-2 main protease. <i>Chemical Science</i> , 2021, 12, 1513-1527.	3.7	47
9	Allosteric Motions of the CRISPR-Cas9 HNH Nuclease Probed by NMR and Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2020, 142, 1348-1358.	6.6	78
10	Electric field stimulates production of highly conductive microbial OmcZ nanowires. <i>Nature Chemical Biology</i> , 2020, 16, 1136-1142.	3.9	112
11	Supercomputer-Based Ensemble Docking Drug Discovery Pipeline with Application to Covid-19. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 5832-5852.	2.5	134
12	The Effect of (-)-Epigallocatechin-3-Gallate on the β^2 Secondary Structure. <i>Biophysical Journal</i> , 2020, 118, 47a.	0.2	0
13	The Effect of (β^2)-Epigallocatechin-3-Gallate on the Amyloid- β^2 Secondary Structure. <i>Biophysical Journal</i> , 2020, 119, 349-359.	0.2	18
14	Influence of the First Chromophore-Forming Residue on Photobleaching and Oxidative Photoconversion of EGFP and EYFP. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5229.	1.8	18
15	Regioselective Ultrafast Photoinduced Electron Transfer from Naphthols to Halocarbon Solvents. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2657-2662.	2.1	10
16	Can TDDFT Describe Excited Electronic States of Naphthol Photoacids? A Closer Look with EOM-CCSD. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 867-876.	2.3	27
17	Phenothiazine Radical Cation Excited States as Super-oxidants for Energy-Demanding Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 5290-5299.	6.6	89
18	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. <i>Chemical Reviews</i> , 2017, 117, 758-795.	23.0	203

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19	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry A, 2017, 121, 9680-9681.	1.1	1
20	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry C, 2017, 121, 28212-28213.	1.5	1
21	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry B, 2017, 121, 11425-11426.	1.2	2
22	Extension of the Effective Fragment Potential Method to Macromolecules. Journal of Physical Chemistry B, 2016, 120, 6562-6574.	1.2	72
23	Turning On and Off Photoinduced Electron Transfer in Fluorescent Proteins by π -Stacking, Halide Binding, and Tyr145 Mutations. Journal of the American Chemical Society, 2016, 138, 4807-4817.	6.6	52
24	Toward Understanding the Redox Properties of Model Chromophores from the Green Fluorescent Protein Family: An Interplay between Conjugation, Resonance Stabilization, and Solvent Effects. Journal of Physical Chemistry B, 2012, 116, 12398-12405.	1.2	20