

Dipak Kumar Sahoo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

501
citations

759233

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all docs

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21
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncovalent Carbon-Bonding Interactions in Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16496-16500.	13.8	93
2	The Prodigious Hydrogen Bonds with Sulfur and Selenium in Molecular Assemblies, Structural Biology, and Functional Materials. <i>Accounts of Chemical Research</i> , 2020, 53, 1580-1592.	15.6	85
3	Spectroscopic Evidences for Strong Hydrogen Bonds with Selenomethionine in Proteins. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 794-800.	4.6	49
4	Thioamide, a Hydrogen Bond Acceptor in Proteins and Nucleic Acids. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4573-4579.	4.6	45
5	Critical Assessment of the Interaction between DNA and Choline Amino Acid Ionic Liquids: Evidences of Multimodal Binding and Stability Enhancement. <i>ACS Central Science</i> , 2018, 4, 1642-1651.	11.3	40
6	Amino-Acid-Based Ionic Liquids for the Improvement in Stability and Activity of Cytochrome c: A Combined Experimental and Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10100-10109.	2.6	38
7	Nature and Strength of M-H-S and M-H-Se (M = Mn, Fe, & Co) Hydrogen Bond. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2227-2236.	2.5	23
8	Non-covalent interactions with inverted carbon: a carbo-hydrogen bond or a new type of hydrogen bond?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8988-8997.	2.8	21
9	The Role of Molecular Polarizability in Designing Organic Piezoelectric Materials. <i>ChemistrySelect</i> , 2016, 1, 4326-4331.	1.5	14
10	Noncovalent Carbon-Bonding Interactions in Proteins. <i>Angewandte Chemie</i> , 2018, 130, 16734-16738.	2.0	14
11	Efficient SO ₂ Capture through Multiple Chalcogen Bonds, Sulfur-Centered Hydrogen Bonds and S-C-F Interactions: A Computational Study. <i>ChemistrySelect</i> , 2016, 1, 1688-1694.	1.5	13
12	Nature and Strength of the Inner-Core H...H Interactions in Porphyrinoids. <i>ChemPhysChem</i> , 2017, 18, 3625-3633.	2.1	13
13	A liquid crucible model for aggregation of phenylacetylene in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13623-13632.	2.8	11
14	Gram-Scale Synthesis of 1,8-Naphthyridines in Water: The Friedlander Reaction Revisited. <i>ACS Omega</i> , 2021, 6, 19304-19313.	3.5	11
15	Hydrogen-bond-driven thiouracil dissolution in aqueous ionic liquid: A combined microscopic, spectroscopic and molecular dynamics study. <i>Journal of Molecular Liquids</i> , 2020, 319, 114275.	4.9	10
16	Implication of Threonine-Based Ionic Liquids on the Structural Stability, Binding and Activity of Cytochrome c. <i>ChemPhysChem</i> , 2020, 21, 2525-2535.	2.1	9
17	Synthesis of urea derivatives <i>via</i> reductive carbon dioxide fixation into contracted porphyrin analogues. <i>Green Chemistry</i> , 2017, 19, 5772-5776.	9.0	8
18	Effect of confinement on the efficiency of bottle-shaped struts. <i>Magazine of Concrete Research</i> , 2019, 71, 965-974.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Cohesion coefficient of structural concrete made with recycled concrete coarse aggregate. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2020, 173, 93-106.	0.8	1
20	Quantification of the electric field inside protein active sites and fullerenes. Physical Chemistry Chemical Physics, 2021, 23, 14755-14763.	2.8	1
21	Strength enhancement in deep beams with engineered web openings via diagonal struts. Asian Journal of Civil Engineering, 0, , .	1.6	0