

Subhrakant Jena

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

463
citations

933447

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19
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncovalent interactions in proteins and nucleic acids: beyond hydrogen bonding and π -stacking. <i>Chemical Society Reviews</i> , 2022, 51, 4261-4286.	38.1	57
2	Doubling Förster Resonance Energy Transfer Efficiency in Proteins with Extrinsic Thioamide Probes: Implications for Thiomodified Nucleobases. <i>Chemistry - A European Journal</i> , 2021, 27, 4373-4383.	3.3	6
3	Gram-Scale Synthesis of 1,8-Naphthyridines in Water: The Friedlander Reaction Revisited. <i>ACS Omega</i> , 2021, 6, 19304-19313.	3.5	11
4	Extraterrestrial Organic Molecules from [SiX] ⁺ Ions: A Coupled Cluster Theory Inquest for Plausible Reaction Pathways. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2086-2093.	2.7	0
5	Structural Dynamics of RNA in the Presence of Choline Amino Acid Based Ionic Liquid: A Spectroscopic and Computational Outlook. <i>ACS Central Science</i> , 2021, 7, 1688-1697.	11.3	8
6	Quantification of the electric field inside protein active sites and fullerenes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14755-14763.	2.8	1
7	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
8	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
9	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
10	Non-conventional Hydrogen Bonding and Aromaticity: A Systematic Study on Model Nucleobases and Their Solvated Clusters. <i>ChemPhysChem</i> , 2020, 21, 1826-1835.	2.1	11
11	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
12	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
13	One pot, three component synthesis of spiroindenoquinoxaline pyrrolidine fused nitrochromene derivatives following 1,3-dipolar cycloaddition. <i>Synthetic Communications</i> , 2019, 49, 1823-1835.	2.1	17
14	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.	2.9	23
15	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
16	Noncovalent Carbon Bonding Interactions in Proteins. <i>Angewandte Chemie</i> , 2018, 130, 16734-16738.	2.0	14
17	Noncovalent Carbon Bonding Interactions in Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16496-16500.	13.8	93
18	Nature and Strength of the Inner-Core π - π Interactions in Porphyrinoids. <i>ChemPhysChem</i> , 2017, 18, 3625-3633.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Hydrogen Bonding with Polonium. Physical Chemistry Chemical Physics, 0, , .	2.8	6