Subhrakant Jena

List of Publications by Year
in descending order

19	463	933447 10	888059 17
papers	citations	h-index	g-index

19	19	19	370
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noncovalent Carbonâ€Bonding Interactions in Proteins. Angewandte Chemie - International Edition, 2018, 57, 16496-16500.	13.8	93
2	The Prodigious Hydrogen Bonds with Sulfur and Selenium in Molecular Assemblies, Structural Biology, and Functional Materials. Accounts of Chemical Research, 2020, 53, 1580-1592.	15.6	85
3	Noncovalent interactions in proteins and nucleic acids: beyond hydrogen bonding and Ï€-stacking. Chemical Society Reviews, 2022, 51, 4261-4286.	38.1	57
4	Critical Assessment of the Interaction between DNA and Choline Amino Acid Ionic Liquids: Evidences of Multimodal Binding and Stability Enhancement. ACS Central Science, 2018, 4, 1642-1651.	11.3	40
5	Amino-Acid-Based Ionic Liquids for the Improvement in Stability and Activity of Cytochrome c: A Combined Experimental and Molecular Dynamics Study. Journal of Physical Chemistry B, 2019, 123, 10100-10109.	2.6	38
6	Nature and Strength of Mâ€“HÂ·Â·Â·S and Mâ€“HÂ·Â·Â·Se (M = Mn, Fe, & Co) Hydrogen Bond. Journal of Physical Chemistry A, 2019, 123, 2227-2236.	2.5	23
7	Non-covalent interactions with inverted carbon: a carbo-hydrogen bond or a new type of hydrogen bond?. Physical Chemistry Chemical Physics, 2020, 22, 8988-8997.	2.8	21
8	One pot, three component synthesis of spiroindenoquinoxaline pyrrolidine fused nitrochromene derivatives following 1,3-dipolar cycloaddition. Synthetic Communications, 2019, 49, 1823-1835.	2.1	17
9	Noncovalent Carbonâ€Bonding Interactions in Proteins. Angewandte Chemie, 2018, 130, 16734-16738.	2.0	14
10	Nature and Strength of the Innerâ€Core Hâ‹…â‹…â‹…H Interactions in Porphyrinoids. ChemPhysChem, 2017, 18, 3625-3633.	2.1	13
11	Nonâ€conventional Hydrogen Bonding and Aromaticity: A Systematic Study on Model Nucleobases and Their Solvated Clusters. ChemPhysChem, 2020, 21, 1826-1835.	2.1	11
12	Gram-Scale Synthesis of 1,8-Naphthyridines in Water: The Friedlander Reaction Revisited. ACS Omega, 2021, 6, 19304-19313.	3.5	11
13	Hydrogen-bond-driven thiouracil dissolution in aqueous ionic liquid: A combined microscopic, spectroscopic and molecular dynamics study. Journal of Molecular Liquids, 2020, 319, 114275.	4.9	10
14	Implication of Threonineâ€Based Ionic Liquids on the Structural Stability, Binding and Activity of Cytochromeâ€…c. ChemPhysChem, 2020, 21, 2525-2535.	2.1	9
15	Structural Dynamics of RNA in the Presence of Choline Amino Acid Based Ionic Liquid: A Spectroscopic and Computational Outlook. ACS Central Science, 2021, 7, 1688-1697.	11.3	8
16	Doubling FÃ¶rster Resonance Energy Transfer Efficiency in Proteins with Extrinsic Thioamide Probes: Implications for Thiomodified Nucleobases. Chemistry - A European Journal, 2021, 27, 4373-4383.	3.3	6
17	Hydrogen Bonding with Polonium. Physical Chemistry Chemical Physics, 0, , .	2.8	6
18	Quantification of the electric field inside protein active sites and fullerenes. Physical Chemistry Chemical Physics, 2021, 23, 14755-14763.	2.8	1

#	Article	IF	Citations
19	Extraterrestrial Organic Molecules from [SiX]+ Ions: A Coupled Cluster Theory Inquest for Plausible Reaction Pathways. ACS Earth and Space Chemistry, 2021, 5, 2086-2093.	2.7	0