Prabhat K Sahu

List of Publications by Year
in descending order

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18	250	1040056	940533
papers	citations	9 h-index	16 g-index

19	19	19	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectroscopic probe on Nâ€“Hâ‹¯N, Nâ€“Hâ‹¯O and controversial Câ€“Hâ‹¯O contact in Aâ€“T base pair: A DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 542-547.	3.9	5
2	Model calculations for the base-pairing specificity of mutagenic exocyclic DNA adduct 1,N 6-ethenoadenine. Structural Chemistry, 2014, 25, 561-573.	2.0	2
3	Quantum Mechanical Calculations for the Misincorporation of Nucleotides Opposite Mutagenic 3,N⁴-Ethenocytosine. Journal of Physical Chemistry B, 2012, 116, 11173-11179.	2.6	15
4	Model Calculations for the Misincorporation of Nucleotides Opposite Five-Membered Exocyclic DNA Adduct: N²,3-Ethenoguanine. Journal of Physical Chemistry B, 2011, 115, 10537-10546.	2.6	8
5	On the Development and Application of Net-Sign Graph Theory. , 2011, , 127-151.		0
6	Interaction of Serotonin and Fluoxetine: Toward Understanding the Importance of the Chirality of Fluoxetine (S form and R form). Journal of Physical Chemistry B, 2009, 113, 14529-14535.	2.6	6
7	Effect of microsolvation on zwitterionic glycine: an ab initio and density functional theory study. Journal of Molecular Modeling, 2008, 14, 385-392.	1.8	17
8	Net-sign identity information index: A novel approach towards numerical characterization of chemical signed graph theory. Chemical Physics Letters, 2008, 454, 133-138.	2.6	11
9	Interaction of Adenine Adducts with Thymine:Â A Computational Study. Journal of Physical Chemistry B, 2007, 111, 2991-2998.	2.6	9
10	Hydrogen-bond interactions in THFâ€“H2Oâ€“HF: A theoretical study. International Journal of Quantum Chemistry, 2007, 107, 2015-2023.	2.0	9
11	Density functional theory study of formaldehyde oligomers. International Journal of Quantum Chemistry, 2005, 101, 67-72.	2.0	6
12	Hydrogen bonding interaction in sarcosine-water complex using ab initio and DFT method. International Journal of Quantum Chemistry, 2005, 101, 97-103.	2.0	14
13	Many-body interactions of carbon monoxide cyclic oligomers: A computational study. International Journal of Quantum Chemistry, 2005, 103, 314-321.	2.0	5
14	Hydrogen-bond interaction in 1:1 complexes of tetrahydrofuran with water, hydrogen fluoride, and ammonia: A theoretical study. Journal of Chemical Physics, 2005, 123, 044308.	3.0	20
15	A Density Functional Theory Study for the Hydrogen-Bonded Nucleic Acid Base Pair:Â Cytosine Dimer. Journal of Physical Chemistry A, 2005, 109, 2887-2893.	2.5	14
16	Many-body interaction in glycineâ€“(water)3 complex using density functional theory method. Journal of Chemical Physics, 2004, 120, 170-174.	3.0	71
17	Theoretical investigation for the hydrogen bond interaction in THFâ€“water complex. Chemical Physics Letters, 2004, 386, 351-355.	2.6	32
18	Novel information theoretic topological index Ik for unsaturated hydrocarbons. Chemical Physics Letters, 2004, 396, 465-468.	2.6	4