Lokendra Poudel

List of Publications by Year
in descending order

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15 papers	324 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	420 citing authors

#	Article	IF	Citations
1	Thermodynamic Dissection of the Intercalation Binding Process of Doxorubicin to dsDNA with Implications of Ionic and Solvent Effects. Journal of Physical Chemistry B, 2020, 124, 7803-7818.	2.6	24
2	Synthesis of monodisperse rod-shaped silica particles through biotemplating of surface-functionalized bacteria. Nanoscale, 2020, 12, 8732-8741.	5.6	10
3	Molecular mechanism and binding free energy of doxorubicin intercalation in DNA. Physical Chemistry Chemical Physics, 2019, 21, 3877-3893.	2.8	70
4	Interfacial Interaction between Suolunite Crystal and Silica Binding Peptide for Novel Bioinspired Cement. ACS Combinatorial Science, 2019, 21, 794-804.	3.8	8
5	Molecular Dynamic and Free Energy Analysis of Doxorubicin and DNA Complex. Biophysical Journal, 2018, 114, 528a.	0.5	2
6	Interaction between Capsid Coat Protein and MS2 Bacteriophage SSRNA with Different Loop Motif for Virus Assembly Process. Biophysical Journal, 2018, 114, 252a.	0.5	1
7	Impact of Hydrogen Bonding in the Binding Site between Capsid Protein and MS2 Bacteriophage ssRNA. Journal of Physical Chemistry B, 2017, 121, 6321-6330.	2.6	30
8	The Hydration Effect and Selectivity of Alkali Metal Ions on Poly(ethylene glycol) Models in Cyclic and Linear Topology. Journal of Physical Chemistry A, 2017, 121, 4721-4731.	2.5	32
9	Atomic-Scale Quantification of Interfacial Binding between Peptides and Inorganic Crystals: The Case of Calcium Carbonate Binding Peptide on Aragonite. Journal of Physical Chemistry C, 2017, 121, 28354-28363.	3.1	24
10	Implication of the solvent effect, metal ions and topology in the electronic structure and hydrogen bonding of human telomeric G-quadruplex DNA. Physical Chemistry Chemical Physics, 2016, 18, 21573-21585.	2.8	41
11	Electronic Structure and Partial Charge Distribution of Doxorubicin in Different Molecular Environments. ChemPhysChem, 2015, 16, 1451-1460.	2.1	26
12	Optical properties and electronic transitions of DNA oligonucleotides as a function of composition and stacking sequence. Physical Chemistry Chemical Physics, 2015, 17, 4589-4599.	2.8	17
13	van der Waals Interactions on the Mesoscale: Open-Science Implementation, Anisotropy, Retardation, and Solvent Effects. Langmuir, 2015, 31, 10145-10153.	3.5	17
14	Publisher's Note: Electronic structure, stacking energy, partial charge, and hydrogen bonding in four periodic B-DNA models [Phys. Rev. E90, 022705 (2014)]. Physical Review E, 2014, 90, .	2.1	1
15	Electronic structure, stacking energy, partial charge, and hydrogen bonding in four periodic B-DNA models. Physical Review E, 2014, 90, 022705.	2.1	21