

Lokendra Poudel

List of Publications by Year in descending order

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15
papers

324
citations

933447

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h-index

996975

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g-index

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all docs

15
docs citations

15
times ranked

420
citing authors

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