Laibin Zhang

List of Publications by Year
in descending order

21	178	1163117 8	1125743 13
papers	citations	h-index	g-index

21	21	21	110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Absorption and Fluorescence Emission Spectroscopic Characters of Size-Expanded yDNA Bases and Effect of Deoxyribose and Base Pairing. Journal of Physical Chemistry B, 2009, 113, 1173-1181.	2.6	24
2	Photophysical Characters of Rationally Designed Hetero-Ring-Expanded Guanine Analogues and Effect of Cytosine Pairing. Journal of Physical Chemistry B, 2008, 112, 10723-10731.	2.6	20
3	Electronic promotion effect of double proton transfer on conduction of DNA through improvement of transverse electronic communication of base pairs. Journal of Chemical Physics, 2011, 135, 134315.	3.0	15
4	Absorption and fluorescence emission spectroscopic characters of naphthoâ€homologated yyâ€DNA bases and effect of methanol solution and base pairing. Journal of Computational Chemistry, 2010, 31, 825-836.	3.3	14
5	Exploration of the Biological Micro-Surrounding Effect on the Excited States of the Size-Expanded Fluorescent Base x-Cytosine in DNA. Journal of Physical Chemistry B, 2010, 114, 3726-3734.	2.6	14
6	Intermolecular interactions of a sizeâ€expanded guanine analogue with gold nanoclusters. International Journal of Quantum Chemistry, 2013, 113, 2234-2242.	2.0	14
7	Excited State Properties of Naphtho-Homologated xxDNA Bases and Effect of Methanol Solution, Deoxyribose, and Base Pairing. Journal of Physical Chemistry B, 2013, 117, 3983-3992.	2.6	11
8	Hetero-ring-expansion design for purine analogs: A theoretical study on the structural, electronic, and excited-state properties. Chemical Physics Letters, 2014, 597, 69-74.	2.6	8
9	Photophysical properties of the isomorphic emissive RNA nucleobase analogues and effect of water solution, ribose, and base pairing: A theoretical study. International Journal of Quantum Chemistry, 2017, 117, e25377.	2.0	7
10	Corresponding state-based correlations for the surface tensionÂofÂsaturated fluids. Modern Physics Letters B, 2017, 31, 1750110.	1.9	7
11	Theoretical prediction of sizeâ€expansion effect on the C8â€site activity in the modified guanineâ€cytosine analogs. Journal of Physical Organic Chemistry, 2009, 22, 1114-1119.	1.9	6
12	Structural, electronic, and photophysical properties of thieno-expanded tricyclic purine analogs: a theoretical study. Physical Chemistry Chemical Physics, 2014, 16, 4338.	2.8	6
13	Contribution to modeling the viscosity Arrhenius-type equation for saturated pure fluids. International Journal of Modern Physics B, 2016, 30, 1650202.	2.0	6
14	A new size-expanded RNA alphabet: Computational design of benzo-homologated (xtz-) isothiazole RNA and comparisons to the x-thieno RNA. Journal of Molecular Graphics and Modelling, 2017, 77, 339-349.	2.4	5
15	A new correlation in predicting temperature-dependent viscosity of saturated liquids. Modern Physics Letters B, 2017, 31, 1750014.	1.9	4
16	Corresponding state-based correlations for the temperature-dependent surface tension of saturated hydrocarbons. Modern Physics Letters B, 2017, 31, 1750259.	1.9	4
17	Distinguishing yyâ€tautomers by their spectroscopic signatures: A theoretical investigation. International Journal of Quantum Chemistry, 2013, 113, 1225-1233.	2.0	3
18	New size-expanded RNA nucleobase analogs: A detailed theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 407-415.	3.9	3

#	Article	IF	Citations
19	New correlation for the temperature-dependent viscosity for saturated liquids. Modern Physics Letters B, 2016, 30, 1650399.	1.9	3
20	A new corresponding state-based correlation forÂtheÂsurfaceÂtensionÂofÂorganic fatty acids. Modern Physics Letters B, 2018, 32, 1750361.	1.9	3
21	Computational design and characterization of new thienoâ€expanded tricyclic purine analogs. International Journal of Quantum Chemistry, 2019, 119, e25870.	2.0	1