

# Laibin Zhang

## List of Publications by Year in descending order

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21  
papers

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citations

1163117

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1125743

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docs citations

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times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational design and characterization of new thieno-expanded tricyclic purine analogs. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25870.	2.0	1
2	A new corresponding state-based correlation for the surface tension of organic fatty acids. <i>Modern Physics Letters B</i> , 2018, 32, 1750361.	1.9	3
3	A new correlation in predicting temperature-dependent viscosity of saturated liquids. <i>Modern Physics Letters B</i> , 2017, 31, 1750014.	1.9	4
4	Photophysical properties of the isomorphous emissive RNA nucleobase analogues and effect of water solution, ribose, and base pairing: A theoretical study. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25377.	2.0	7
5	Corresponding state-based correlations for the surface tension of saturated fluids. <i>Modern Physics Letters B</i> , 2017, 31, 1750110.	1.9	7
6	A new size-expanded RNA alphabet: Computational design of benzo-homologated (xtz-) isothiazole RNA and comparisons to the x-thieno RNA. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 77, 339-349.	2.4	5
7	Corresponding state-based correlations for the temperature-dependent surface tension of saturated hydrocarbons. <i>Modern Physics Letters B</i> , 2017, 31, 1750259.	1.9	4
8	New correlation for the temperature-dependent viscosity for saturated liquids. <i>Modern Physics Letters B</i> , 2016, 30, 1650399.	1.9	3
9	Contribution to modeling the viscosity Arrhenius-type equation for saturated pure fluids. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650202.	2.0	6
10	New size-expanded RNA nucleobase analogs: A detailed theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 407-415.	3.9	3
11	Hetero-ring-expansion design for purine analogs: A theoretical study on the structural, electronic, and excited-state properties. <i>Chemical Physics Letters</i> , 2014, 597, 69-74.	2.6	8
12	Structural, electronic, and photophysical properties of thieno-expanded tricyclic purine analogs: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4338.	2.8	6
13	Distinguishing tautomers by their spectroscopic signatures: A theoretical investigation. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 1225-1233.	2.0	3
14	Intermolecular interactions of a size-expanded guanine analogue with gold nanoclusters. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 2234-2242.	2.0	14
15	Excited State Properties of Naphtho-Homologated DNA Bases and Effect of Methanol Solution, Deoxyribose, and Base Pairing. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3983-3992.	2.6	11
16	Electronic promotion effect of double proton transfer on conduction of DNA through improvement of transverse electronic communication of base pairs. <i>Journal of Chemical Physics</i> , 2011, 135, 134315.	3.0	15
17	Absorption and fluorescence emission spectroscopic characters of naphtho-homologated DNA bases and effect of methanol solution and base pairing. <i>Journal of Computational Chemistry</i> , 2010, 31, 825-836.	3.3	14
18	Exploration of the Biological Micro-Surrounding Effect on the Excited States of the Size-Expanded Fluorescent Base x-Cytosine in DNA. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3726-3734.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Theoretical prediction of size expansion effect on the C8 site activity in the modified guanine-cytosine analogs. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1114-1119.	1.9	6
20	Absorption and Fluorescence Emission Spectroscopic Characters of Size-Expanded $\gamma$ DNA Bases and Effect of Deoxyribose and Base Pairing. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1173-1181.	2.6	24
21	Photophysical Characters of Rationally Designed Hetero-Ring-Expanded Guanine Analogues and Effect of Cytosine Pairing. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10723-10731.	2.6	20