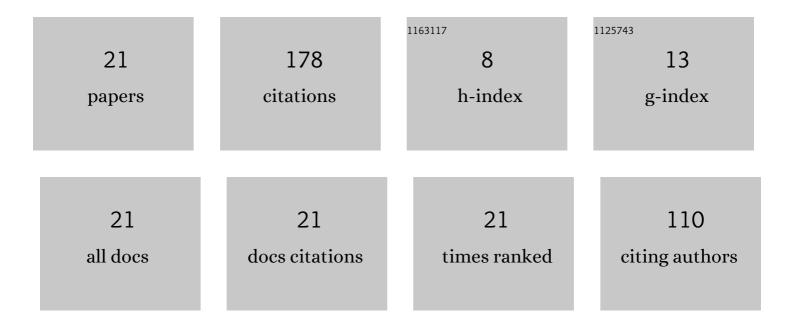
Laibin Zhang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3973943/publications.pdf Version: 2024-02-01



LAIRIN ZHANC

#	Article	IF	CITATIONS
1	Computational design and characterization of new thienoâ€expanded tricyclic purine analogs. International Journal of Quantum Chemistry, 2019, 119, e25870.	2.0	1
2	A new corresponding state-based correlation forÂtheÂsurfaceÂtensionÂofÂorganic fatty acids. Modern Physics Letters B, 2018, 32, 1750361.	1.9	3
3	A new correlation in predicting temperature-dependent viscosity of saturated liquids. Modern Physics Letters B, 2017, 31, 1750014.	1.9	4
4	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
5	Corresponding state-based correlations for the surface tensionÂofÂsaturated fluids. Modern Physics Letters B, 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. Journal of Molecular Graphics and Modelling, 2017, 77, 339-349.	2.4	5
7	Corresponding state-based correlations for the temperature-dependent surface tension of saturated hydrocarbons. Modern Physics Letters B, 2017, 31, 1750259.	1.9	4
8	New correlation for the temperature-dependent viscosity for saturated liquids. Modern Physics Letters B, 2016, 30, 1650399.	1.9	3
9	Contribution to modeling the viscosity Arrhenius-type equation for saturated pure fluids. International Journal of Modern Physics B, 2016, 30, 1650202.	2.0	6
10	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
11	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
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	Distinguishing $yy\hat{a}\in G$ tautomers by their spectroscopic signatures: A theoretical investigation. International Journal of Quantum Chemistry, 2013, 113, 1225-1233.	2.0	3
14	Intermolecular interactions of a sizeâ€expanded guanine analogue with gold nanoclusters. International Journal of Quantum Chemistry, 2013, 113, 2234-2242.	2.0	14
15	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
16	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
17	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
18	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

#	Article	IF	CITATIONS
19	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
20	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
21	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