

Zhi Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1597144/publications.pdf>

Version: 2024-02-01

19
papers

138
citations

1163117

8
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Dioxide in the Nitrosation of Amine: Catalyst or Inhibitor?. Journal of Physical Chemistry A, 2011, 115, 7753-7764.	2.5	27
2	Theoretical investigation of the isomerization of N ₂ O ₃ and the N-nitrosation of dimethylamine by asym-N ₂ O ₃ , sym-N ₂ O ₃ , and trans- <i>cis</i> N ₂ O ₃ isomers. Computational and Theoretical Chemistry, 2009, 908, 107-113.	1.5	15
3	Theoretical Investigation of <i>N</i> -Nitrosodimethylamine Formation from Nitrosation of Trimethylamine. Journal of Physical Chemistry A, 2010, 114, 455-465.	2.5	13
4	Does the metal-metal sextuple bond exist in the bimetallic sandwich compounds Cr ₂ (C ₆ H ₆) ₂ , Mo ₂ (C ₆ H ₆) ₂ , and W ₂ (C ₆ H ₆) ₂ ? <i>Molecular Physics</i> , 2013, 111, 2523-2535.	1.7	11
5	The Hydrogen Abstraction Reaction H ₂ S + OH → H ₂ O + SH: Convergent Quantum Mechanical Predictions. Journal of Physical Chemistry A, 2017, 121, 9136-9145.	2.5	11
6	Theoretical investigation of reactivities of amines in the N-nitrosation reactions by N ₂ O ₃ . Journal of Molecular Modeling, 2011, 17, 669-680.	1.8	9
7	Vibrational frequencies, structures, and energetics of the highly challenging alkali metal trifluorides MF ₃ (M = Li, Na, K, Rb, and Cs). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18986-18994.	2.8	9
8	Alkali-Metal Trihalides: M+X ₃ Ion Pair or MX ₂ Complex?. Journal of Physical Chemistry B, 2018, 122, 3339-3353.	2.6	8
9	Prediction and Characterization of Alkaline-Earth (M=Be, Mg, Ca, Sr, and Ba) Metallacyclopentadienes and Relevant Derivatives. <i>ChemistrySelect</i> , 2017, 2, 1442-1453.	1.5	7
10	The reactions of Cr(CO) ₆ , Fe(CO) ₅ , and Ni(CO) ₄ with O ₂ yield viable oxo-metal carbonyls. <i>Journal of Computational Chemistry</i> , 2014, 35, 998-1009.	3.3	6
11	Thioformaldehyde <i>S</i> -Sulfide, Sulfur Analogue of the Criegee Intermediate: Structures, Energetics, and Rovibrational Analysis. <i>Journal of Physical Chemistry A</i> , 2017, 121, 998-1006.	2.5	6
12	Communication: The Al + CO ₂ → AlO + CO reaction: Experiment vs. theory. <i>Journal of Chemical Physics</i> , 2017, 147, 171101.	3.0	5
13	The Influence of Phosphate Buffer on the Formation of N-Nitrosodimethylamine from Dimethylamine Nitrosation. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	1.9	4
14	Cyclobutyne: Minimum or Transition State?. <i>Journal of Organic Chemistry</i> , 2019, 84, 5548-5553.	3.2	3
15	Theoretical Investigation of N-Nitrosation Mechanism of Amino Acids Mediated by N ₂ O ₃ . , 2009, , .		1
16	Theoretical investigation of the isomerization and dissociation reactions of all the HOONO ₂ isomers. <i>Computational and Theoretical Chemistry</i> , 2010, 959, 42-48.	1.5	1
17	Reactions of Amine and Peroxynitrite: Evidence for Hydroxylation as Predominant Reaction and New Insight into the Modulation of CO ₂ . <i>Journal of Physical Chemistry A</i> , 2012, 116, 8058-8066.	2.5	1
18	Experimental and Theoretical Investigation of Effects of Ethanol and Acetic Acid on Carcinogenic NDMA Formation in Simulated Gastric Fluid. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4505-4513.	2.5	1

#	ARTICLE	IF	CITATIONS
19	Prototypical metal-oxo bonds: the reactions of Cr(PF ₃) ₆ , Fe(PF ₃) ₅ , and Ni(PF ₃) ₄ with oxygen. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	1.4	0