

Zachary D Pozun

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

950
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

2034
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Investigation of <i>p</i> -Nitrophenol Reduction by Bimetallic Dendrimer Encapsulated Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7598-7604.	3.1	349
2	Hybrid density functional theory band structure engineering in hematite. <i>Journal of Chemical Physics</i> , 2011, 134, 224706.	3.0	152
3	Optimizing transition states via kernel-based machine learning. <i>Journal of Chemical Physics</i> , 2012, 136, 174101.	3.0	92
4	Model studies of heterogeneous catalytic hydrogenation reactions with gold. <i>Chemical Society Reviews</i> , 2013, 42, 5002.	38.1	89
5	Amino Acids from Ion-Irradiated Nitrile-Containing Ices. <i>Astrobiology</i> , 2008, 8, 771-779.	3.0	77
6	Mechanism for the water-gas shift reaction on monofunctional platinum and cause of catalyst deactivation. <i>Journal of Catalysis</i> , 2011, 282, 278-288.	6.2	58
7	Why Silver Nanoparticles Are Effective for Olefin/Paraffin Separations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1811-1818.	3.1	35
8	Structure Revealing H/D Exchange with Co-Adsorbed Hydrogen and Water on Gold. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1894-1899.	4.6	34
9	Establishing the Ground State of the Disjoint Diradical Tetramethyleneethane with Quantum Monte Carlo. <i>Journal of the American Chemical Society</i> , 2013, 135, 13862-13869.	13.7	34
10	Excited Electronic State Mixing in 7-Azaindole. Quantitative Measurements Using the Stark Effect. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15695-15700.	2.6	12
11	Low-Temperature Chemoselective Gold-Surface-Mediated Hydrogenation of Acetone and Propionaldehyde. <i>ChemCatChem</i> , 2012, 4, 1241-1244.	3.7	11
12	A model to optimize the selectivity of gas separation in membranes. <i>Journal of Membrane Science</i> , 2010, 364, 9-16.	8.2	7