Zachary D Pozun

List of Publications by Year
in descending order

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