Yao Sha

List of Publications by Year
in descending order

12	868	759233 12	1125743 13
papers	citations	h-index	g-index

13	13	13	1397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DFT Prediction of Oxygen Reduction Reaction on Palladiumâ€“Copper Alloy Surfaces. ACS Catalysis, 2014, 4, 1189-1197.	11.2	84
2	Dramatic Increase in the Oxygen Reduction Reaction for Platinum Cathodes from Tuning the Solvent Dielectric Constant. Angewandte Chemie - International Edition, 2014, 53, 6669-6672.	13.8	33
3	Density Functional Theory Study of Pt₃M Alloy Surface Segregation with Adsorbed O/OH and Pt₃Os as Catalysts for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2014, 118, 26703-26712.	3.1	37
4	The effect of different environments on Nafion degradation: Quantum mechanics study. Journal of Membrane Science, 2013, 437, 276-285.	8.2	20
5	Finding Correlations of the Oxygen Reduction Reaction Activity of Transition Metal Catalysts with Parameters Obtained from Quantum Mechanics. Journal of Physical Chemistry C, 2013, 117, 26598-26607.	3.1	89
6	Prediction of the Dependence of the Fuel Cell Oxygen Reduction Reactions on Operating Voltage from DFT Calculations. Journal of Physical Chemistry C, 2012, 116, 6166-6173.	3.1	30
7	Mechanism for Oxygen Reduction Reaction on Pt₃Ni Alloy Fuel Cell Cathode. Journal of Physical Chemistry C, 2012, 116, 21334-21342.	3.1	62
8	Oxygen Hydration Mechanism for the Oxygen Reduction Reaction at Pt and Pd Fuel Cell Catalysts. Journal of Physical Chemistry Letters, 2011, 2, 572-576.	4.6	110
9	Mechanism for Degradation of Nafion in PEM Fuel Cells from Quantum Mechanics Calculations. Journal of the American Chemical Society, 2011, 133, 19857-19863.	13.7	128
10	Improved Non-Pt Alloys for the Oxygen Reduction Reaction at Fuel Cell Cathodes Predicted from Quantum Mechanics. Journal of Physical Chemistry C, 2010, 114, 11527-11533.	3.1	43
11	Theoretical Study of Solvent Effects on the Platinum-Catalyzed Oxygen Reduction Reaction. Journal of Physical Chemistry Letters, 2010, 1, 856-861.	4.6	195
12	A Cyclic Hexapeptide Comprising Alternating Î±-Aminoxy and Î±-Amino Acids is a Selective Chloride Ion Receptor. Chemistry - A European Journal, 2005, 11, 3005-3009.	3.3	30