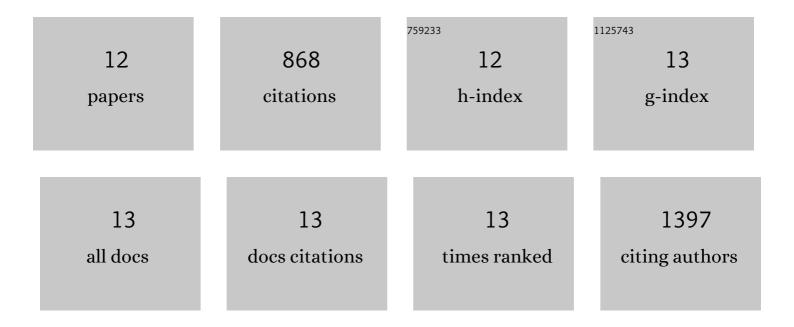
Yao Sha

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Theoretical Study of Solvent Effects on the Platinum-Catalyzed Oxygen Reduction Reaction. Journal of Physical Chemistry Letters, 2010, 1, 856-861. | 4.6 | 195 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | DFT Prediction of Oxygen Reduction Reaction on Palladium–Copper Alloy Surfaces. ACS Catalysis, 2014, 4, 1189-1197. | 11.2 | 84 |
| 6 | Mechanism for Oxygen Reduction Reaction on Pt ₃ Ni Alloy Fuel Cell Cathode. Journal of Physical Chemistry C, 2012, 116, 21334-21342. | 3.1 | 62 |
| 7 | 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 |
| 8 | Density Functional Theory Study of Pt ₃ M Alloy Surface Segregation with Adsorbed O/OH and Pt ₃ Os as Catalysts for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2014, 118, 26703-26712. | 3.1 | 37 |
| 9 | 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 |
| 10 | A Cyclic Hexapeptide Comprising Alternating α-Aminoxy and α-Amino Acids is a Selective Chloride Ion Receptor. Chemistry - A European Journal, 2005, 11, 3005-3009. | 3.3 | 30 |
| 11 | 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 |
| 12 | The effect of different environments on Nafion degradation: Quantum mechanics study. Journal of Membrane Science, 2013, 437, 276-285. | 8.2 | 20 |