

Ming-Hsun Ho

List of Publications by Year in descending order

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docs citations

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times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Molecular Catalysts by Computer. <i>Accounts of Chemical Research</i> , 2015, 48, 248-255.	15.6	65
2	Water-assisted proton delivery and removal in bio-inspired hydrogen production catalysts. <i>Dalton Transactions</i> , 2015, 44, 10969-10979.	3.3	28
3	Ab Initio-Based Kinetic Modeling for the Design of Molecular Catalysts: The Case of H ₂ Production Electrocatalysts. <i>ACS Catalysis</i> , 2015, 5, 5436-5452.	11.2	38
4	Controlling proton movement: electrocatalytic oxidation of hydrogen by a nickel complex containing proton relays in the second and outer coordination spheres. <i>Dalton Transactions</i> , 2014, 43, 2744-2754.	3.3	35
5	Computing Free Energy Landscapes: Application to Ni-based Electrocatalysts with Pendant Amines for H ₂ Production and Oxidation. <i>ACS Catalysis</i> , 2014, 4, 229-242.	11.2	68
6	Evaluation of the Role of Water in the H ₂ Bond Formation by Ni(II)-Based Electrocatalysts. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3505-3514.	5.3	7
7	Hydrogen Production Using Nickel Electrocatalysts with Pendant Amines: Ligand Effects on Rates and Overpotentials. <i>ACS Catalysis</i> , 2013, 3, 2527-2535.	11.2	70
8	High Catalytic Rates for Hydrogen Production Using Nickel Electrocatalysts with Seven-Membered Cyclic Diphosphine Ligands Containing One Pendant Amine. <i>Journal of the American Chemical Society</i> , 2013, 135, 6033-6046.	13.7	137
9	Bio-Inspired Molecular Catalysts for Hydrogen Oxidation and Hydrogen Production. <i>ACS Symposium Series</i> , 2013, , 89-111.	0.5	7
10	Conformational Dynamics and Proton Relay Positioning in Nickel Catalysts for Hydrogen Production and Oxidation. <i>Organometallics</i> , 2013, 32, 7034-7042.	2.3	36
11	The Role of a Dipeptide Outer Coordination Sphere on H ₂ Production Catalysts: Influence on Catalytic Rates and Electron Transfer. <i>Chemistry - A European Journal</i> , 2013, 19, 1928-1941.	3.3	38
12	Proton Delivery and Removal in [Ni(P ^R) ₂ N ^R] ₂ H ₂ Production and Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 19409-19424.	13.7	122
13	Incorporating Amino Acid Esters into Catalysts for Hydrogen Oxidation: Steric and Electronic Effects and the Role of Water as a Base. <i>Organometallics</i> , 2012, 31, 6719-6731.	2.3	33
14	The Role of Pendant Amines in the Breaking and Forming of Molecular Hydrogen Catalyzed by Nickel Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 6493-6506.	3.3	102
15	Quantum Mechanical and Quantum Mechanical/Molecular Mechanical Studies of the Iron Dioxxygen Intermediates and Proton Transfer in Superoxide Reductase. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 2896-2909.	5.3	19
16	Understanding the Effect of Magnesium Ion Concentration on the Catalytic Activity of Ribonuclease H through Computation: Does a Third Metal Binding Site Modulate Endonuclease Catalysis?. <i>Journal of the American Chemical Society</i> , 2010, 132, 13702-13712.	13.7	49
17	Unraveling the Catalytic Pathway of Metalloenzyme Farnesyltransferase through QM/MM Computation. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1657-1666.	5.3	35
18	Bulk and Interfacial Aqueous Fluoride: An Investigation via First Principles Molecular Dynamics. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2070-2074.	2.5	28