Ming-Hsun Ho

List of Publications by Year
in descending order

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18	917	516710 16	839539 18
papers	citations	h-index	g-index

19	19	19	982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High Catalytic Rates for Hydrogen Production Using Nickel Electrocatalysts with Seven-Membered Cyclic Diphosphine Ligands Containing One Pendant Amine. Journal of the American Chemical Society, 2013, 135, 6033-6046.	13.7	137
2	Proton Delivery and Removal in [Ni(P^R₂N^{R^{â€²}}₂)₂]²⁺ Hydrogen Production and Oxidation Catalysts. Journal of the American Chemical Society, 2012, 134, 19409-19424.	13.7	122
3	The Role of Pendant Amines in the Breaking and Forming of Molecular Hydrogen Catalyzed by Nickel Complexes. Chemistry - A European Journal, 2012, 18, 6493-6506.	3.3	102
4	Hydrogen Production Using Nickel Electrocatalysts with Pendant Amines: Ligand Effects on Rates and Overpotentials. ACS Catalysis, 2013, 3, 2527-2535.	11.2	70
5	Computing Free Energy Landscapes: Application to Ni-based Electrocatalysts with Pendant Amines for H₂ Production and Oxidation. ACS Catalysis, 2014, 4, 229-242.	11.2	68
6	Toward Molecular Catalysts by Computer. Accounts of Chemical Research, 2015, 48, 248-255.	15.6	65
7	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?. Journal of the American Chemical Society, 2010, 132, 13702-13712.	13.7	49
8	The Role of a Dipeptide Outerâ€Coordination Sphere on H₂â€Production Catalysts: Influence on Catalytic Rates and Electron Transfer. Chemistry - A European Journal, 2013, 19, 1928-1941.	3.3	38
9	Ab Initio-Based Kinetic Modeling for the Design of Molecular Catalysts: The Case of H₂ Production Electrocatalysts. ACS Catalysis, 2015, 5, 5436-5452.	11.2	38
10	Conformational Dynamics and Proton Relay Positioning in Nickel Catalysts for Hydrogen Production and Oxidation. Organometallics, 2013, 32, 7034-7042.	2.3	36
11	Unraveling the Catalytic Pathway of Metalloenzyme Farnesyltransferase through QM/MM Computation. Journal of Chemical Theory and Computation, 2009, 5, 1657-1666.	5.3	35
12	Controlling proton movement: electrocatalytic oxidation of hydrogen by a nickel(<scp>II</scp>) complex containing proton relays in the second and outer coordination spheres. Dalton Transactions, 2014, 43, 2744-2754.	3.3	35
13	Incorporating Amino Acid Esters into Catalysts for Hydrogen Oxidation: Steric and Electronic Effects and the Role of Water as a Base. Organometallics, 2012, 31, 6719-6731.	2.3	33
14	Bulk and Interfacial Aqueous Fluoride: An Investigation via First Principles Molecular Dynamics. Journal of Physical Chemistry A, 2009, 113, 2070-2074.	2.5	28
15	Water-assisted proton delivery and removal in bio-inspired hydrogen production catalysts. Dalton Transactions, 2015, 44, 10969-10979.	3.3	28
16	Quantum Mechanical and Quantum Mechanical/Molecular Mechanical Studies of the Ironâ^'Dioxygen Intermediates and Proton Transfer in Superoxide Reductase. Journal of Chemical Theory and Computation, 2010, 6, 2896-2909.	5.3	19
17	Evaluation of the Role of Water in the H₂ Bond Formation by Ni(II)-Based Electrocatalysts. Journal of Chemical Theory and Computation, 2013, 9, 3505-3514.	5.3	7
18	Bio-Inspired Molecular Catalysts for Hydrogen Oxidation and Hydrogen Production. ACS Symposium Series, 2013, , 89-111.	0.5	7