Samantha I Johnson

List of Publications by Year
in descending order

27 papers	862 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1329 citing authors

#	Article	IF	Citations
1	Computational Investigations of the Reactivity of Metalloporphyrins for Ammonia Oxidation. Topics in Catalysis, 2022, 65, 341-353.	2.8	4
2	Protonation of Serine in Gas and Condensed and Microsolvated States in Aqueous Solution. Journal of Physical Chemistry A, 2022, 126, 44-52.	2.5	0
3	Exploring Detailed Reaction Pathways for Hydrogen Storage with Borohydrides Using DFT Calculations. Energy & Fuels, 2022, 36, 5513-5527.	5.1	2
4	Weakening the Nâ€“H Bonds of NH₃ Ligands: Triple Hydrogen-Atom Abstraction to Form a Chromium(V) Nitride. Inorganic Chemistry, 2022, 61, 11165-11172.	4.0	6
5	Design of robust 2,2â€²-bipyridine ligand linkers for the stable immobilization of molecular catalysts on silicon(111) surfaces. Physical Chemistry Chemical Physics, 2021, 23, 9921-9929.	2.8	6
6	Ethanol as a Liquid Organic Hydrogen Carrier for Seasonal Microgrid Application: Catalysis, Theory, and Engineering Feasibility. ACS Sustainable Chemistry and Engineering, 2021, 9, 7130-7138.	6.7	16
7	Multiple Nâ€“H and Câ€“H Hydrogen Atom Abstractions Through Coordination-Induced Bond Weakening at Fe-Amine Complexes. Inorganic Chemistry, 2021, 60, 8242-8251.	4.0	10
8	Intramolecular Electrostatic Effects on O₂, CO₂, and Acetate Binding to a Cationic Iron Porphyrin. Inorganic Chemistry, 2020, 59, 17402-17414.	4.0	20
9	Oxidation of Ammonia with Molecular Complexes. Journal of the American Chemical Society, 2020, 142, 17845-17858.	13.7	70
10	Selectivity-Determining Steps in O₂ Reduction Catalyzed by Iron(tetramesitylporphyrin). Journal of the American Chemical Society, 2020, 142, 4108-4113.	13.7	41
11	Diversion of Catalytic Câ€“N Bond Formation to Catalytic Oxidation of NH₃ through Modification of the Hydrogen Atom Abstractor. Journal of the American Chemical Society, 2020, 142, 3361-3365.	13.7	46
12	Anion control of tautomeric equilibria: Feâ€“H vs. Nâ€“H influenced by NHâ‹¯F hydrogen bonding. Chemical Science, 2019, 10, 1410-1418.	7.4	14
13	Catalytic Ammonia Oxidation to Dinitrogen by Hydrogen Atom Abstraction. Angewandte Chemie - International Edition, 2019, 58, 11618-11624.	13.8	52
14	Mechanism of Catalytic O₂ Reduction by Iron Tetraphenylporphyrin. Journal of the American Chemical Society, 2019, 141, 8315-8326.	13.7	99
15	Evaluation of attractive interactions in the second coordination sphere of iron complexes containing pendant amines. Dalton Transactions, 2019, 48, 4867-4878.	3.3	12
16	Design and reactivity of pentapyridyl metal complexes for ammonia oxidation. Chemical Communications, 2019, 55, 5083-5086.	4.1	27
17	Triple hydrogen atom abstraction from Mnâ€“NH₃ complexes results in cyclophosphazenium cations. Chemical Communications, 2019, 55, 14058-14061.	4.1	17
18	Catalytic Silylation of N2and Synthesis of NH3and N2H4by Net Hydrogen Atom Transfer Reactions Using a Chromium P4Macrocycle. Journal of the American Chemical Society, 2018, 140, 2528-2536.	13.7	78

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19	Role of Ligand Protonation in Dihydrogen Evolution from a Pentamethylcyclopentadienyl Rhodium Catalyst. Inorganic Chemistry, 2017, 56, 11375-11386.	4.0	40
20	Protonâ€“hydride tautomerism in hydrogen evolution catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6409-6414.	7.1	114
21	Selectivity for HCO₂^{â€“} over H₂ in the Electrochemical Catalytic Reduction of CO₂ by (POCOP)IrH₂. ACS Catalysis, 2016, 6, 6362-6371.	11.2	33
22	Transition-Metal-Mediated Nucleophilic Aromatic Substitution with Acids. Organometallics, 2016, 35, 2053-2056.	2.3	17
23	Activation and Oxidation of Mesitylene Câ€“H Bonds by (Phebox)Iridium(III) Complexes. Organometallics, 2015, 34, 2879-2888.	2.3	18
24	Reactivity of a Series of Isostructural Cobalt Pincer Complexes with CO₂, CO, and H⁺. Inorganic Chemistry, 2014, 53, 13031-13041.	4.0	41
25	Improved thermoelectric properties in Zn-doped Ca5Ga2Sb6. Journal of Materials Chemistry A, 2013, 1, 4244.	10.3	44
26	Crystal Phase Evolution in Quantum Confined ZnO Domains on Particles via Atomic Layer Deposition. Crystal Growth and Design, 2009, 9, 2828-2834.	3.0	12
27	Atomic layer deposition of quantum-confined ZnO nanostructures. Nanotechnology, 2009, 20, 195401.	2.6	23