

Daniel C. Ashley

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

640
citations

687363

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677142

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all docs

22
docs citations

22
times ranked

918
citing authors

#	ARTICLE	IF	CITATIONS
1	Ironing out the photochemical and spin-crossover behavior of Fe(II) coordination compounds with computational chemistry. <i>Coordination Chemistry Reviews</i> , 2017, 337, 97-111.	18.8	103
2	Mechanistic Investigation of Bis(imino)pyridine Manganese Catalyzed Carbonyl and Carboxylate Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 4901-4915.	13.7	88
3	A flexible, redox-active macrocycle enables the electrocatalytic reduction of nitrate to ammonia by a cobalt complex. <i>Chemical Science</i> , 2018, 9, 4950-4958.	7.4	63
4	Visible Light-Induced Catalyst-Free Activation of Peroxydisulfate: Pollutant-Dependent Production of Reactive Species. <i>Environmental Science & Technology</i> , 2022, 56, 2626-2636.	10.0	58
5	Carbon Dioxide Promoted H ⁺ Reduction Using a Bis(imino)pyridine Manganese Electrocatalyst. <i>Inorganic Chemistry</i> , 2015, 54, 4475-4482.	4.0	45
6	Tuning the Redox Potentials and Ligand Field Strength of Fe(II) Polypyridines: The Dual π -Donor and π -Acceptor Character of Bipyridine. <i>Inorganic Chemistry</i> , 2018, 57, 9907-9917.	4.0	44
7	Intramolecular Hydrogen Bonding Facilitates Electrocatalytic Reduction of Nitrite in Aqueous Solutions. <i>Inorganic Chemistry</i> , 2019, 58, 9443-9451.	4.0	40
8	Enhanced Degradation of Micropollutants in a Peracetic Acid-Fe(III) System with Picolinic Acid. <i>Environmental Science & Technology</i> , 2022, 56, 4437-4446.	10.0	30
9	The Electronic Structure of [Mn(V)O]: What is the Connection between Oxo Radical Character, Physical Oxidation State, and Reactivity?. <i>ACS Catalysis</i> , 2016, 6, 7202-7216.	11.2	28
10	Oxygen Isotope Effects as Structural and Mechanistic Probes in Inorganic Oxidation Chemistry. <i>Inorganic Chemistry</i> , 2010, 49, 3661-3675.	4.0	26
11	Ray-Dutt and Bailar Twists in Fe(II)-Tris(2,2'-bipyridine): Spin States, Sterics, and Fe-N Bond Strengths. <i>Inorganic Chemistry</i> , 2018, 57, 5585-5596.	4.0	25
12	Mechanistic Studies of Bismuth(V)-Mediated Thioglycoside Activation Reveal Differential Reactivity of Anomers. <i>Journal of Organic Chemistry</i> , 2016, 81, 5949-5962.	3.2	19
13	Electrode-adsorption activates <i>trans</i> -[Cr(cyclam)Cl ₂] ⁺ for electrocatalytic nitrate reduction. <i>Chemical Communications</i> , 2020, 56, 603-606.	4.1	15
14	How a Redox-Innocent Metal Promotes the Formal Reductive Elimination of Biphenyl Using Redox-Active Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 4308-4314.	3.3	12
15	Designing air-stable cyclometalated Fe(ⁱⁱ) complexes: stabilization <i>via</i> electrostatic effects. <i>Dalton Transactions</i> , 2019, 48, 374-378.	3.3	12
16	Amphiphile self-assembly dynamics at the solution-solid interface reveal asymmetry in head/tail desorption. <i>Chemical Communications</i> , 2018, 54, 10076-10079.	4.1	8
17	Factors Affecting the Production of Aromatic Immonium Ions in MALDI 157 nm Photodissociation Studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 834-846.	2.8	7
18	Halogenation affects driving forces, reorganization energies and ω -rocking motions in strained [Fe(tpy) ₂] ²⁺ complexes. <i>Dalton Transactions</i> , 2021, 50, 14566-14575.	3.3	6

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19	Predicting the electrochemical behavior of Fe(II) complexes from ligand orbital energies. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 376, 7-11.	3.9	4
20	Effects of varying the 6-position oxidation state of hexopyranoses: a systematic comparative computational analysis of 48 monosaccharide stereoisomers. Journal of Molecular Modeling, 2017, 23, 214.	1.8	3
21	Are all charge-transfer parameters created equally? A study of functional dependence and excited-state charge-transfer quantification across two dye families. Physical Chemistry Chemical Physics, 2021, 23, 20583-20597.	2.8	3