

Diana A Iovan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,235
citations

471509

17
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-mediated intermolecular N-group transfer chemistry with olefinic substrates. <i>Chemical Science</i> , 2014, 5, 1526-1532.	7.4	166
2	Characterization of Iron-Imido Species Relevant for N-Group Transfer Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 1983-1993.	13.7	153
3	Synthesis of a copper-supported triplet nitrene complex pertinent to copper-catalyzed amination. <i>Science</i> , 2019, 365, 1138-1143.	12.6	131
4	High-Spin Iron Imido Complexes Competent for C-H Bond Amination. <i>Journal of the American Chemical Society</i> , 2017, 139, 12043-12049.	13.7	107
5	Direct Comparison of C-H Bond Amination Efficacy through Manipulation of Nitrogen-Valence Centered Redox: Imido versus Iminyl. <i>Journal of the American Chemical Society</i> , 2017, 139, 14757-14766.	13.7	105
6	Diastereoselective C-H Bond Amination for Disubstituted Pyrrolidines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15599-15602.	13.8	95
7	Metal-Ligand Cooperativity via Exchange Coupling Promotes Iron-Catalyzed Electrochemical CO ₂ Reduction at Low Overpotentials. <i>Journal of the American Chemical Society</i> , 2020, 142, 20489-20501.	13.7	77
8	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. <i>Chemical Society Reviews</i> , 2020, 49, 2886-2915.	38.1	56
9	Inorganic Chemistry Approaches to Activity-Based Sensing: From Metal Sensors to Bioorthogonal Metal Chemistry. <i>Inorganic Chemistry</i> , 2019, 58, 13546-13560.	4.0	46
10	Distinct RNA N-demethylation pathways catalyzed by nonheme iron ALKBH5 and FTO enzymes enable regulation of formaldehyde release rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25284-25292.	7.1	42
11	Heterobimetallic Complexes Comprised of Nb and Fe: Isolation of a Coordinatively Unsaturated Nb ^{III} /Fe ⁰ Bimetallic Complex Featuring a Nb-Fe Triple Bond. <i>Journal of the American Chemical Society</i> , 2017, 139, 9627-9636.	13.7	40
12	Reactivity of a stable copper-dioxygen complex. <i>Chemical Communications</i> , 2017, 53, 10306-10309.	4.1	33
13	Diastereoselective C-H Bond Amination for Disubstituted Pyrrolidines. <i>Angewandte Chemie</i> , 2017, 129, 15805-15808.	2.0	25
14	[4 + 2] Cyclocondensation Reactions of Tungsten-Dihydropyridine Complexes and the Generation of Tri- and Tetrasubstituted Piperidines. <i>Journal of the American Chemical Society</i> , 2011, 133, 18378-18387.	13.7	24
15	Hyperdistorted Tungsten Allyl Complexes and Their Stereoselective Deprotonation to Form Dihapto-Coordinated Dienes. <i>Organometallics</i> , 2011, 30, 2587-2597.	2.3	24
16	Enantioenrichment of a Tungsten Dearomatization Agent Utilizing Chiral Acids. <i>Journal of the American Chemical Society</i> , 2015, 137, 3649-3655.	13.7	21
17	An Activity-Based Methionine Bioconjugation Approach To Developing Proximity-Activated Imaging Reporters. <i>ACS Central Science</i> , 2020, 6, 32-40.	11.3	20
18	Friedel-Crafts Ring-Coupling Reactions Promoted by Tungsten Dearomatization Agent. <i>Organometallics</i> , 2013, 32, 691-703.	2.3	19

#	ARTICLE	IF	CITATIONS
19	Electronic Structures and Reactivity Profiles of Aryl Nitrenoid-Bridged Dicopper Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 2264-2276.	13.7	18
20	Fine-Tuning Metal and Ligand-Centered Redox Potentials of Homoleptic Bis-Terpyridine Complexes with 4-Substituted Aryl Substituents. <i>Inorganic Chemistry</i> , 2021, 60, 9956-9969.	4.0	17
21	Exposing the inadequacy of redox formalisms by resolving redox inequivalence within isovalent clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15836-15841.	7.1	11