

Travis Williams

List of Publications by Year in descending order

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26
papers

651
citations

566801

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580395

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docs citations

26
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruthenium-Catalyzed Ammonia Borane Dehydrogenation: Mechanism and Utility. <i>Accounts of Chemical Research</i> , 2017, 50, 86-95.	7.6	74
2	Iridium Catalysts for Acceptorless Dehydrogenation of Alcohols to Carboxylic Acids: Scope and Mechanism. <i>ACS Catalysis</i> , 2018, 8, 3754-3763.	5.5	74
3	Mechanism of Hydride Abstraction by Cyclopentadienone-Ligated Carbonylmetal Complexes (M = Ru, Fe). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 295-302.	1.0	68
4	A Base and Solvent-Free Ruthenium-Catalyzed Alkylation of Amines. <i>ACS Catalysis</i> , 2017, 7, 1136-1142.	5.5	60
5	Recycling Benzoxazine-Epoxy Composites via Catalytic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7227-7231.	3.2	50
6	A dual site catalyst for mild, selective nitrile reduction. <i>Chemical Communications</i> , 2014, 50, 5391-5393.	2.2	48
7	A structural chemistry look at composites recycling. <i>Materials Horizons</i> , 2020, 7, 2479-2486.	6.4	38
8	Iridium-based hydride transfer catalysts: from hydrogen storage to fine chemicals. <i>Chemical Communications</i> , 2018, 54, 7711-7724.	2.2	32
9	Mechanism and Catalysis of Oxidative Degradation of Fiber-Reinforced Epoxy Composites. <i>Topics in Catalysis</i> , 2018, 61, 704-709.	1.3	24
10	Dehydrogenation of ammonia borane through the third equivalent of hydrogen. <i>Dalton Transactions</i> , 2016, 45, 7672-7677.	1.6	23
11	Ruthenium Catalyzed Tandem Pictet-Spengler Reaction. <i>Organic Letters</i> , 2020, 22, 4979-4984.	2.4	19
12	Catalyst Evolution in Ruthenium-Catalyzed Coupling of Amines and Alcohols. <i>ACS Catalysis</i> , 2020, 10, 56-65.	5.5	18
13	Catalytic, aerobic depolymerization of epoxy thermoset composites. <i>Green Chemistry</i> , 2021, 23, 6356-6360.	4.6	18
14	Comparison of three methods for the methylation of aliphatic and aromatic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1633-1640.	0.7	17
15	Direct Oxidation of Primary Alcohols to Carboxylic Acids. <i>Synthesis</i> , 2021, 53, 1023-1034.	1.2	17
16	Upgrading Biodiesel from Vegetable Oils by Hydrogen Transfer to Its Fatty Esters. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5749-5753.	3.2	14
17	Optical K_a Control in a Bifunctional Iridium Complex. <i>Organometallics</i> , 2019, 38, 200-204.	1.1	14
18	Surface coordination chemistry of germanium nanocrystals synthesized by microwave-assisted reduction in oleylamine. <i>Nanoscale</i> , 2020, 12, 2764-2772.	2.8	11

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19	DUAL SITE CATALYSTS FOR HYDRIDE MANIPULATION. Comments on Inorganic Chemistry, 2011, 32, 195-218.	3.0	6
20	Conformational twisting of a formate-bridged diiridium complex enables catalytic formic acid dehydrogenation. Dalton Transactions, 2018, 47, 13559-13564.	1.6	6
21	Non-covalent self assembly controls the relaxivity of magnetically active guests. Chemical Communications, 2014, 50, 1375-1377.	2.2	5
22	Heterobimetallic complexes of IrM (M = Fe ^{II} , Co ^{II} , and Ni ^{II}) core and bridging 2-(diphenylphosphino)pyridine: electronic structure and electrochemical behavior. Dalton Transactions, 2020, 49, 10509-10515.	1.6	5
23	Kinetics and mechanistic details of bulk ZnO dissolution using a thiol-imidazole system. Chemical Science, 2022, 13, 3208-3215.	3.7	5
24	A noncovalent, fluoroalkyl coating monomer for phosphonate-covered nanoparticles. Tetrahedron, 2013, 69, 7741-7745.	1.0	4
25	Catalyst carbonylation: a hidden, but essential, step in reaction initiation. Catalysis Science and Technology, 2021, 11, 2361-2368.	2.1	1
26	Out of Thin Air? Catalytic Oxidation of Trace Aqueous Aldehydes with Ambient Dissolved Oxygen. Environmental Science & Technology, 2022, 56, 8756-8764.	4.6	0