

# Travis Williams

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

439  
citations

10  
h-index

20  
g-index

26  
ext. papers

541  
ext. citations

7.3  
avg, IF

4.32  
L-index

#	Paper	IF	Citations
25	Kinetics and mechanistic details of bulk ZnO dissolution using a thiol-imidazole system.. <i>Chemical Science</i> , <b>2022</b> , 13, 3208-3215	9.4	0
24	Direct Oxidation of Primary Alcohols to Carboxylic Acids. <i>Synthesis</i> , <b>2021</b> , 53, 1023-1034	2.9	6
23	Catalyst carbonylation: a hidden, but essential, step in reaction initiation. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 2361-2368	5.5	0
22	Catalytic, aerobic depolymerization of epoxy thermoset composites. <i>Green Chemistry</i> , <b>2021</b> , 23, 6356-6360	6.0	1
21	Ruthenium Catalyzed Tandem Pictet-Spengler Reaction. <i>Organic Letters</i> , <b>2020</b> , 22, 4979-4984	6.2	11
20	Surface coordination chemistry of germanium nanocrystals synthesized by microwave-assisted reduction in oleylamine. <i>Nanoscale</i> , <b>2020</b> , 12, 2764-2772	7.7	8
19	Catalyst Evolution in Ruthenium-Catalyzed Coupling of Amines and Alcohols. <i>ACS Catalysis</i> , <b>2020</b> , 10, 56-65	13.1	10
18	Heterobimetallic complexes of IrM (M = Fe, Co, and Ni) core and bridging 2-(diphenylphosphino)pyridine: electronic structure and electrochemical behavior. <i>Dalton Transactions</i> , <b>2020</b> , 49, 10509-10515	4.3	2
17	A structural chemistry look at composites recycling. <i>Materials Horizons</i> , <b>2020</b> , 7, 2479-2486	14.4	7
16	Optical pKa Control in a Bifunctional Iridium Complex. <i>Organometallics</i> , <b>2019</b> , 38, 200-204	3.8	7
15	Upgrading Biodiesel from Vegetable Oils by Hydrogen Transfer to its Fatty Esters. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5749-5753	8.3	9
14	Mechanism and Catalysis of Oxidative Degradation of Fiber-Reinforced Epoxy Composites. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 704-709	2.3	15
13	Iridium Catalysts for Acceptorless Dehydrogenation of Alcohols to Carboxylic Acids: Scope and Mechanism. <i>ACS Catalysis</i> , <b>2018</b> , 8, 3754-3763	13.1	51
12	Iridium-based hydride transfer catalysts: from hydrogen storage to fine chemicals. <i>Chemical Communications</i> , <b>2018</b> , 54, 7711-7724	5.8	21
11	Conformational twisting of a formate-bridged diiridium complex enables catalytic formic acid dehydrogenation. <i>Dalton Transactions</i> , <b>2018</b> , 47, 13559-13564	4.3	4
10	Recycling Benzoxazine/Epoxy Composites via Catalytic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7227-7231	8.3	36
9	Ruthenium-Catalyzed Ammonia Borane Dehydrogenation: Mechanism and Utility. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 86-95	24.3	50

- 8 A Base and Solvent-Free Ruthenium-Catalyzed Alkylation of Amines. *ACS Catalysis*, **2017**, 7, 1136-1142 13.1 55
- 7 Comparison of three methods for the methylation of aliphatic and aromatic compounds. *Rapid Communications in Mass Spectrometry*, **2017**, 31, 1633-1640 2.2 10
- 6 Dehydrogenation of ammonia borane through the third equivalent of hydrogen. *Dalton Transactions*, **2016**, 45, 7672-7 4.3 17
- 5 Non-covalent self assembly controls the relaxivity of magnetically active guests. *Chemical Communications*, **2014**, 50, 1375-7 5.8 5
- 4 A dual site catalyst for mild, selective nitrile reduction. *Chemical Communications*, **2014**, 50, 5391-3 5.8 43
- 3 A noncovalent, fluoroalkyl coating monomer for phosphonate-covered nanoparticles. *Tetrahedron*, **2013**, 69, 7741-7746 2.4 4
- 2 DUAL SITE CATALYSTS FOR HYDRIDE MANIPULATION. *Comments on Inorganic Chemistry*, **2011**, 32, 195-218 3.8 6
- 1 Mechanism of Hydride Abstraction by Cyclopentadienone-Ligated Carbonylmetal Complexes (M = Ru, Fe). *European Journal of Inorganic Chemistry*, **2009**, 2009, 295-302 2.3 61