Brian D Mccarthy

List of Publications by Year
in descending order

26	4,383	394421 19	526287 27
papers	citations	h-index	g-index

29	29	29	6205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Practical Beginnerâ€™s Guide to Cyclic Voltammetry. Journal of Chemical Education, 2018, 95, 197-206.	2.3	2,137
2	Turn-On Fluorescence in Tetraphenylethylene-Based Metalâ€“Organic Frameworks: An Alternative to Aggregation-Induced Emission. Journal of the American Chemical Society, 2011, 133, 20126-20129.	13.7	623
3	Evaluation of Homogeneous Electrocatalysts by Cyclic Voltammetry. Inorganic Chemistry, 2014, 53, 9983-10002.	4.0	403
4	Electrochemical Reduction of BrÃ¸nsted Acids by Glassy Carbon in Acetonitrileâ€”Implications for Electrocatalytic Hydrogen Evolution. Inorganic Chemistry, 2014, 53, 8350-8361.	4.0	211
5	Reaction Pathways of Hydrogen-Evolving Electrocatalysts: Electrochemical and Spectroscopic Studies of Proton-Coupled Electron Transfer Processes. ACS Catalysis, 2016, 6, 3644-3659.	11.2	117
6	On decomposition, degradation, and voltammetric deviation: the electrochemist's field guide to identifying precatalyst transformation. Chemical Society Reviews, 2019, 48, 2927-2945.	38.1	92
7	Linear Free Energy Relationships in the Hydrogen Evolution Reaction: Kinetic Analysis of a Cobaloxime Catalyst. ACS Catalysis, 2016, 6, 3326-3335.	11.2	89
8	Analysis of electrocatalytic metal-organic frameworks. Coordination Chemistry Reviews, 2020, 406, 213137.	18.8	77
9	Transport Phenomena: Challenges and Opportunities for Molecular Catalysis in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 11941-11956.	13.7	74
10	Decoding Proton-Coupled Electron Transfer with Potentialâ€“pK_a Diagrams. Inorganic Chemistry, 2017, 56, 1225-1231.	4.0	68
11	Charge Transfer or J-Coupling? Assignment of an Unexpected Red-Shifted Absorption Band in a Naphthalenediimide-Based Metalâ€“Organic Framework. Journal of Physical Chemistry Letters, 2013, 4, 453-458.	4.6	65
12	Immobilization, Trapping, and Anion Exchange of Perrhenate Ion Using Copper-Based Tripodal Complexes. Inorganic Chemistry, 2011, 50, 9499-9507.	4.0	55
13	Electrode initiated proton-coupled electron transfer to promote degradation of a nickel(<scp>ii</scp>) coordination complex. Chemical Science, 2015, 6, 2827-2834.	7.4	55
14	Electrochemical hydrogenation of a homogeneous nickel complex to form a surface adsorbed hydrogen-evolving species. Chemical Communications, 2015, 51, 5290-5293.	4.1	47
15	Oxygen Reduction to Water Mediated by a Dirhodium Hydrido-Chloride Complex. Journal of the American Chemical Society, 2011, 133, 8114-8117.	13.7	42
16	Qualitative extension of the ECâ€² Zone Diagram to a molecular catalyst for a multi-electron, multi-substrate electrochemical reaction. Dalton Transactions, 2016, 45, 9970-9976.	3.3	37
17	Redox Chemistry, Acid Reactivity, and Hydrogenation Reactions of Two-Electron Mixed Valence Diiridium and Dirhodium Complexes. Inorganic Chemistry, 2011, 50, 5223-5233.	4.0	35
18	Halogen Oxidation and Halogen Photoelimination Chemistry of a Platinumâ€“Rhodium Heterobimetallic Core. Inorganic Chemistry, 2012, 51, 5152-5163.	4.0	31

#	Article	IF	Citations
19	Identification of an Electrode-Adsorbed Intermediate in the Catalytic Hydrogen Evolution Mechanism of a Cobalt Dithiolene Complex. Inorganic Chemistry, 2017, 56, 1988-1998.	4.0	29
20	Decoding Proton-Coupled Electron Transfer with Potentialâ€“pK_a Diagrams: Applications to Catalysis. Inorganic Chemistry, 2019, 58, 6647-6658.	4.0	20
21	Post synthetic exchange enables orthogonal click chemistry in a metal organic framework. Dalton Transactions, 2019, 48, 45-49.	3.3	17
22	Cultivating Advanced Technical Writing Skills through a Graduate-Level Course on Writing Research Proposals. Journal of Chemical Education, 2017, 94, 696-702.	2.3	15
23	Enhancing photovoltages at p-type semiconductors through a redox-active metal-organic framework surface coating. Nature Communications, 2020, 11, 5819.	12.8	15
24	Facile Orientational Control of M2L2P SURMOFs on âŸ¨100âŸ© Silicon Substrates and Growth Mechanism Insights for Defective MOFs. ACS Applied Materials & Interfaces, 2019, 11, 38294-38302.	8.0	14
25	Synthesis and electrochemical characterization of a tridentate Schiff-base ligated Fe(II) complex. Polyhedron, 2016, 114, 200-204.	2.2	10
26	Elemental Depth Profiling of Intact Metalâ€“Organic Framework Single Crystals by Scanning Nuclear Microprobe. Journal of the American Chemical Society, 2021, 143, 18626-18634.	13.7	4