

Catherine E Mccusker

List of Publications by Year in Descending Order

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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.

28
papers

1,064
citations

20
h-index

29
g-index

29
ext. papers

1,167
ext. citations

4.6
avg, IF

4.74
L-index

#	Paper	IF	Citations
28	Optical and Infrared Spectroelectrochemical Studies of CN-Substituted Bipyridyl Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , 2021 , 60, 3514-3523	5.1	1
27	Reflections on Transitioning to Online General Chemistry in Southern Appalachia. <i>Journal of Chemical Education</i> , 2020 , 97, 2913-2916	2.4	4
26	Quantifying Triplet State Formation in Zinc Dipyrrin Complexes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10011-10018	2.8	3
25	Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. <i>Inorganic Chemistry</i> , 2018 , 57, 2296-2307	5.1	33
24	Vibrational Relaxation and Redistribution Dynamics in Ruthenium(II) Polypyridyl-Based Charge-Transfer Excited States: A Combined Ultrafast Electronic and Infrared Absorption Study. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7941-7953	2.8	15
23	Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. <i>ACS Macro Letters</i> , 2017 , 6, 920-924	6.6	8
22	Exposing the Excited-State Equilibrium in an Ir(III) Bichromophore: A Combined Time Resolved Spectroscopy and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1808-1818 ^{2,3}	2.3	27
21	Materials Integrating Photochemical Upconversion. <i>Topics in Current Chemistry</i> , 2016 , 374, 19	7.2	26
20	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , 2016 , 55, 10628-10636	5.1	38
19	Transient absorption dynamics of sterically congested Cu(I) MLCT excited states. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 3181-93	2.8	82
18	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , 2015 , 44, 17906-10	4.3	28
17	Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. <i>Inorganic Chemistry</i> , 2015 , 54, 6035-42	5.1	37
16	Spectroelectrochemical identification of charge-transfer excited states in transition metal-based polypyridyl complexes. <i>Dalton Transactions</i> , 2014 , 43, 17635-46	4.3	60
15	Excited state equilibrium induced lifetime extension in a dinuclear platinum(II) complex. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 10391-9	2.8	37
14	Triplet state formation in homo- and heterometallic diketopyrrolopyrrole chromophores. <i>Inorganic Chemistry</i> , 2014 , 53, 12564-71	5.1	13
13	Mono- and dinuclear cationic iridium(III) complexes bearing a 2,5-dipyridylpyrazine (2,5-dpp) ligand. <i>Inorganic Chemistry</i> , 2013 , 52, 8495-504	5.1	56
12	Tracking of tuning effects in bis-cyclometalated iridium complexes: a combined time resolved infrared spectroscopy, electrochemical, and computational study. <i>Inorganic Chemistry</i> , 2013 , 52, 8795-804 ^{5,1}	5.1	29

11	Robust cuprous phenanthroline sensitizer for solar hydrogen photocatalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14068-70	16.4	124
10	Design of a long-lifetime, earth-abundant, aqueous compatible Cu(I) photosensitizer using cooperative steric effects. <i>Inorganic Chemistry</i> , 2013 , 52, 8114-20	5.1	135
9	Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(I) MLCT sensitizer. <i>Chemical Communications</i> , 2013 , 49, 3537-9	5.8	42
8	Dondorff rings: synthesis, isolation, and properties of 60 π -directed bisterpyridine-based folded tetramers. <i>Chemistry - A European Journal</i> , 2012 , 18, 11569-72	4.8	29
7	Back Cover: Dondorff Rings: Synthesis, Isolation, and Properties of 60 π -Directed Bisterpyridine-Based Folded Tetramers (Chem. Eur. J. 37/2012). <i>Chemistry - A European Journal</i> , 2012 , 18, 11840-11840	4.8	
6	Metal coordination induced π -extension and triplet state production in diketopyrrolopyrrole chromophores. <i>Inorganic Chemistry</i> , 2012 , 51, 7957-9	5.1	29
5	Ligand-localized triplet-state photophysics in a platinum(II) terpyridyl perylenediimideacetylde. <i>Inorganic Chemistry</i> , 2012 , 51, 8589-98	5.1	53
4	Spectroscopy and Photophysics in Cyclometalated RuII Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4004-4011	2.3	28
3	Synthesis and spectroscopic characterization of CN-substituted bipyridyl complexes of Ru(II). <i>Inorganic Chemistry</i> , 2011 , 50, 1656-69	5.1	41
2	Bidirectional "ping-pong" energy transfer and 3000-fold lifetime enhancement in a Re(I) charge transfer complex. <i>Inorganic Chemistry</i> , 2011 , 50, 7820-30	5.1	86
1	Preparation and structure of an unexpected dehydrogenation product from 2,6-diphenylcyclohexanone oxime. <i>Journal of Chemical Crystallography</i> , 2004 , 34, 103-110	0.5	0