

# Catherine E Mccusker

## List of Publications by Citations

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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	Design of a long-lifetime, earth-abundant, aqueous compatible Cu(I) photosensitizer using cooperative steric effects. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8114-20	5.1	135
27	Robust cuprous phenanthroline sensitizer for solar hydrogen photocatalysis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14068-70	16.4	124
26	Bidirectional "ping-pong" energy transfer and 3000-fold lifetime enhancement in a Re(I) charge transfer complex. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7820-30	5.1	86
25	Transient absorption dynamics of sterically congested Cu(I) MLCT excited states. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 3181-93	2.8	82
24	Spectroelectrochemical identification of charge-transfer excited states in transition metal-based polypyridyl complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17635-46	4.3	60
23	Mono- and dinuclear cationic iridium(III) complexes bearing a 2,5-dipyridylpyrazine (2,5-dpp) ligand. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8495-504	5.1	56
22	Ligand-localized triplet-state photophysics in a platinum(II) terpyridyl perylenediimideacetylde. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 8589-98	5.1	53
21	Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(I) MLCT sensitizer. <i>Chemical Communications</i> , <b>2013</b> , 49, 3537-9	5.8	42
20	Synthesis and spectroscopic characterization of CN-substituted bipyridyl complexes of Ru(II). <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 1656-69	5.1	41
19	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10628-10636	5.1	38
18	Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6035-42	5.1	37
17	Excited state equilibrium induced lifetime extension in a dinuclear platinum(II) complex. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 10391-9	2.8	37
16	Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2296-2307	5.1	33
15	Tracking of tuning effects in bis-cyclometalated iridium complexes: a combined time resolved infrared spectroscopy, electrochemical, and computational study. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8795-804	5.1	29
14	Dondorff rings: synthesis, isolation, and properties of 60 $\pi$ -directed bisterpyridine-based folded tetramers. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11569-72	4.8	29
13	Metal coordination induced $\pi$ -extension and triplet state production in diketopyrrolopyrrole chromophores. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 7957-9	5.1	29
12	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 17906-10	4.3	28

11	Spectroscopy and Photophysics in Cyclometalated Ru(II) Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 4004-4011	2.3	28
10	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> , <b>2016</b> , 2016, 1808-1818	2.3	27
9	Materials Integrating Photochemical Upconversion. <i>Topics in Current Chemistry</i> , <b>2016</b> , 374, 19	7.2	26
8	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> , <b>2018</b> , 122, 7941-7953	2.8	15
7	Triplet state formation in homo- and heterometallic diketopyrrolopyrrole chromophores. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12564-71	5.1	13
6	Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 920-924	6.6	8
5	Reflections on Transitioning to Online General Chemistry in Southern Appalachia. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 2913-2916	2.4	4
4	Quantifying Triplet State Formation in Zinc Dipyrrin Complexes. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 10011-10018	2.8	3
3	Optical and Infrared Spectroelectrochemical Studies of CN-Substituted Bipyridyl Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3514-3523	5.1	1
2	Preparation and structure of an unexpected dehydrogenation product from 2,6-diphenylcyclohexanone oxime. <i>Journal of Chemical Crystallography</i> , <b>2004</b> , 34, 103-110	0.5	0
1	Back Cover: Dondorff Rings: Synthesis, Isolation, and Properties of 60 $\pi$ -Directed Bisterpyridine-Based Folded Tetramers (Chem. Eur. J. 37/2012). <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11840-11840	4.8	