

Catherine E Mccusker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2620357/publications.pdf>

Version: 2024-02-01

28
papers

1,275
citations

361045

20
h-index

525886

27
g-index

29
all docs

29
docs citations

29
times ranked

1951
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Design of a Long-Lifetime, Earth-Abundant, Aqueous Compatible Cu(I) Photosensitizer Using Cooperative Steric Effects. <i>Inorganic Chemistry</i> , 2013, 52, 8114-8120. | 1.9 | 161 |
| 2 | Robust Cuprous Phenanthroline Sensitizer for Solar Hydrogen Photocatalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 14068-14070. | 6.6 | 149 |
| 3 | Transient Absorption Dynamics of Sterically Congested Cu(I) MLCT Excited States. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3181-3193. | 1.1 | 102 |
| 4 | Bidirectional "Ping-Pong" Energy Transfer and 3000-Fold Lifetime Enhancement in a Re(I) Charge Transfer Complex. <i>Inorganic Chemistry</i> , 2011, 50, 7820-7830. | 1.9 | 96 |
| 5 | Spectroelectrochemical identification of charge-transfer excited states in transition metal-based polypyridyl complexes. <i>Dalton Transactions</i> , 2014, 43, 17635-17646. | 1.6 | 75 |
| 6 | Mono- and Dinuclear Cationic Iridium(III) Complexes Bearing a 2,5-Dipyridylpyrazine (2,5-dpp) Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 8495-8504. | 1.9 | 67 |
| 7 | Ligand-Localized Triplet-State Photophysics in a Platinum(II) Terpyridyl Perylenediimideacetylde. <i>Inorganic Chemistry</i> , 2012, 51, 8589-8598. | 1.9 | 55 |
| 8 | Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. <i>Inorganic Chemistry</i> , 2018, 57, 2296-2307. | 1.9 | 53 |
| 9 | Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , 2016, 55, 10628-10636. | 1.9 | 51 |
| 10 | Synthesis and Spectroscopic Characterization of CN-Substituted Bipyridyl Complexes of Ru(II). <i>Inorganic Chemistry</i> , 2011, 50, 1656-1669. | 1.9 | 49 |
| 11 | Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. <i>Inorganic Chemistry</i> , 2015, 54, 6035-6042. | 1.9 | 46 |
| 12 | Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(i) MLCT sensitizer. <i>Chemical Communications</i> , 2013, 49, 3537. | 2.2 | 45 |
| 13 | Excited State Equilibrium Induced Lifetime Extension in a Dinuclear Platinum(II) Complex. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10391-10399. | 1.1 | 44 |
| 14 | Spectroscopy and Photophysics in Cyclometalated Ru ^{II} "Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4004-4011. | 1.0 | 35 |
| 15 | 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. | 1.0 | 34 |
| 16 | MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , 2015, 44, 17906-17910. | 1.6 | 32 |
| 17 | Metal Coordination Induced "Extension and Triplet State Production in Diketopyrrolopyrrole Chromophores. <i>Inorganic Chemistry</i> , 2012, 51, 7957-7959. | 1.9 | 31 |
| 18 | Dondorff Rings: Synthesis, Isolation, and Properties of 60 "Directed Bisterpyridine-Based Folded Tetramers. <i>Chemistry - A European Journal</i> , 2012, 18, 11569-11572. | 1.7 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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, 8795-8804. | 1.9 | 30 |
| 20 | Materials Integrating Photochemical Upconversion. <i>Topics in Current Chemistry</i> , 2016, 374, 19. | 3.0 | 28 |
| 21 | 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. | 1.1 | 20 |
| 22 | Triplet State Formation in Homo- and Heterometallic Diketopyrrolopyrrole Chromophores. <i>Inorganic Chemistry</i> , 2014, 53, 12564-12571. | 1.9 | 15 |
| 23 | Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. <i>ACS Macro Letters</i> , 2017, 6, 920-924. | 2.3 | 12 |
| 24 | Quantifying Triplet State Formation in Zinc Dipyrrin Complexes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10011-10018. | 1.1 | 5 |
| 25 | Reflections on Transitioning to Online General Chemistry in Southern Appalachia. <i>Journal of Chemical Education</i> , 2020, 97, 2913-2916. | 1.1 | 4 |
| 26 | Optical and Infrared Spectroelectrochemical Studies of CN-Substituted Bipyridyl Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , 2021, 60, 3514-3523. | 1.9 | 4 |
| 27 | 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 | 2 |
| 28 | Back Cover: Dondorff Rings: Synthesis, Isolation, and Properties of 60°-Directed Bisterpyridine-Based Folded Tetramers (<i>Chem. Eur. J.</i> 37/2012). <i>Chemistry - A European Journal</i> , 2012, 18, 11840-11840. | 1.7 | 0 |