

Russell H Schmehl

List of Publications by Year in descending order

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35
papers

1,428
citations

361045

20
h-index

377514

34
g-index

36
all docs

36
docs citations

36
times ranked

2068
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruthenium complexes with asymmetric hydroxy- and methoxy-substituted bipyridine ligands. <i>Polyhedron</i> , 2021, 205, 115300.	1.0	7
2	Photophysics of Ru(II) complexes with hydroxylated diimine ligands: Photoinduced electron/proton transfer to anthraquinone. <i>Polyhedron</i> , 2021, 207, 115376.	1.0	2
3	Dodecaphenyltetracene. <i>Angewandte Chemie</i> , 2019, 131, 2857-2859.	1.6	17
4	Photochemical CO ₂ reduction with mononuclear and dinuclear rhenium catalysts bearing a pendant anthracene chromophore. <i>Chemical Communications</i> , 2019, 55, 993-996.	2.2	37
5	Photocatalytic H ₂ -Evolution by Homogeneous Molybdenum Sulfide Clusters Supported by Dithiocarbamate Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 16458-16474.	1.9	11
6	Dodecaphenyltetracene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2831-2833.	7.2	45
7	Direct Observation of Sequential Electron and Proton Transfer in Excited-State ET/PT Reactions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2728-2735.	1.5	7
8	A Mononuclear Tungsten Photocatalyst for H ₂ Production. <i>ACS Catalysis</i> , 2018, 8, 4838-4847.	5.5	21
9	An overview of photosubstitution reactions of Ru(II) imine complexes and their application in photobiology and photodynamic therapy. <i>Inorganica Chimica Acta</i> , 2017, 454, 7-20.	1.2	121
10	Ruthenium Complexes are pH-Activated Metallo Prodrugs (pHAMPs) with Light-Triggered Selective Toxicity Toward Cancer Cells. <i>Inorganic Chemistry</i> , 2017, 56, 7519-7532.	1.9	42
11	A Stable Panchromatic Green Dual Acceptor, Dual Donor Organic Dye for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8770-8780.	1.5	35
12	A Facile Electrochemical Reduction Method for Improving Photocatalytic Performance of $\text{Fe}^{2+}/\text{Fe}^{3+}$ Photoanode for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 381-390.	4.0	51
13	Molecular Engineering of Near Infrared Absorbing Thienopyrazine Double Donor Double Acceptor Organic Dyes for Dye-Sensitized Solar Cells. <i>Journal of Organic Chemistry</i> , 2017, 82, 12038-12049.	1.7	22
14			

#	ARTICLE	IF	CITATIONS
19	Vapor phase pH induced fluorescence switching of a dimethylaminostyryl terpyridine derivative in thin films. <i>New Journal of Chemistry</i> , 2012, 36, 52-55.	1.4	7
20	Synthesis, characterization, and photophysical properties of platinum(ii) terpyridyl-based multi-component systems. <i>Energy and Environmental Science</i> , 2008, 1, 573.	15.6	18
21	Photophysical behavior of Ru(II) and Os(II) terpyridyl phenylene vinylene complexes: perturbation of MLCT state by intra-ligand charge-transfer state. <i>Research on Chemical Intermediates</i> , 2007, 33, 63-77.	1.3	31
22	Polymer-Based Tris(2-phenylpyridine)iridium Complexes. <i>Macromolecules</i> , 2006, 39, 3140-3146.	2.2	62
23	Photophysical behavior and intramolecular energy transfer in Os(ii) diimine complexes covalently linked to anthracene. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 89.	1.6	25
24	Photophysics of Re(I) and Ru(II) Diimine Complexes Covalently Linked to Pyrene: Contributions from Intra-Ligand Charge Transfer States. <i>Inorganic Chemistry</i> , 2002, 41, 359-366.	1.9	94
25	Luminescent Ruthenium(II) Bipyridyl-Phosphonic Acid Complexes: A pH Dependent Photophysical Behavior and Quenching with Divalent Metal Ions. <i>Inorganic Chemistry</i> , 2000, 39, 76-84.	1.9	127
26	Electrogenerated chemiluminescence from Ru(ii) bipyridylphosphonic acid complexes adsorbed to mesoporous TiO ₂ /ITO electrodes. <i>Chemical Communications</i> , 2000, , 505-506.	2.2	18
27	A novel caesium selective fluorescent chemosensor. <i>Chemical Communications</i> , 2000, , 695-696.	2.2	35
28	A Highly Selective Fluorescent Chemosensor for K ⁺ from a Bis-15-Crown-5 Derivative. <i>Journal of the American Chemical Society</i> , 1999, 121, 5599-5600.	6.6	103
29	Photophysical and Photochemical Investigation of a Dodecafluorophthalocyanine Derivative. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5659-5664.	1.1	60
30	Intramolecular Electronic Energy Transfer in Ruthenium(II) Diimine Donor/Pyrene Acceptor Complexes Linked by a Single C-C Bond. <i>Journal of the American Chemical Society</i> , 1997, 119, 11012-11022.	6.6	178
31	Applications of Inorganic Photochemistry in the Chemical and Biological Sciences - Contemporary Developments. <i>Journal of Chemical Education</i> , 1997, 74, 633.	1.1	24
32	Intramolecular Exchange Energy Transfer in a Bridged Bimetallic Transition Metal Complex: Calculation of Rate Constants Using Emission Spectral Fitting Parameters. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18408-18414.	2.9	20
33	Convenient Synthesis of <i>bis</i> -Bipyridines and <i>bis</i> -Terpyridines Bridged by Phenyl and Biphenyl Tethers. <i>Synthetic Communications</i> , 1994, 24, 1029-1036.	1.1	27
34	Photoinduced Intramolecular Electron Transfer in RE(I) Chromophore-Quencher Complexes: Rate Dependence in the Inverted Region and the Use of a Rigid Organic Spacer. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 194, 113-121.	0.7	4
35	Intramolecular Electron Transfer from Photoexcited Ru(II) Diimine Complexes to N,N'-Diquaternarized Bipyridines. <i>Advances in Chemistry Series</i> , 1989, , 211-223.	0.6	6