Russell H Schmehl

List of Publications by Year
in descending order

35 papers	1,428 citations	361413 20 h-index	377865 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. Polyhedron, 2021, 205, 115300.	2.2	7
2	Photophysics of Ru(II) complexes with hydroxylated diimine ligands: Photoinduced electron/proton transfer to anthraquinone. Polyhedron, 2021, 207, 115376.	2.2	2
3	Dodecaphenyltetracene. Angewandte Chemie, 2019, 131, 2857-2859.	2.0	17
4	Photochemical CO2 reduction with mononuclear and dinuclear rhenium catalysts bearing a pendant anthracene chromophore. Chemical Communications, 2019, 55, 993-996.	4.1	37
5	Photocatalytic H₂-Evolution by Homogeneous Molybdenum Sulfide Clusters Supported by Dithiocarbamate Ligands. Inorganic Chemistry, 2019, 58, 16458-16474.	4.0	11
6	Dodecaphenyltetracene. Angewandte Chemie - International Edition, 2019, 58, 2831-2833.	13.8	45
7	Direct Observation of Sequential Electron and Proton Transfer in Excited-State ET/PT Reactions. Journal of Physical Chemistry C, 2019, 123, 2728-2735.	3.1	7
8	A Mononuclear Tungsten Photocatalyst for H₂ Production. ACS Catalysis, 2018, 8, 4838-4847.	11.2	21
9	An overview of photosubstitution reactions of Ru(II) imine complexes and their application in photobiology and photodynamic therapy. Inorganica Chimica Acta, 2017, 454, 7-20.	2.4	121
10	Ruthenium Complexes are pH-Activated Metallo Prodrugs (pHAMPs) with Light-Triggered Selective Toxicity Toward Cancer Cells. Inorganic Chemistry, 2017, 56, 7519-7532.	4.0	42
11	A Stable Panchromatic Green Dual Acceptor, Dual Donor Organic Dye for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 8770-8780.	3.1	35
12	A Facile Electrochemical Reduction Method for Improving Photocatalytic Performance of Î±-Fe₂O₃ Photoanode for Solar Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 381-390.	8.0	51
13	Molecular Engineering of Near Infrared Absorbing Thienopyrazine Double Donor Double Acceptor Organic Dyes for Dye-Sensitized Solar Cells. Journal of Organic Chemistry, 2017, 82, 12038-12049.	3.2	22
14			

#	Article	IF	Citations
19	Vapor phase pH induced fluorescence switching of a dimethylaminostyryl terpyridine derivative in thin films. New Journal of Chemistry, 2012, 36, 52-55.	2.8	7
20	Synthesis, characterization, and photophysical properties of platinum(ii) terpyridyl-based multi-component systems. Energy and Environmental Science, 2008, 1, 573.	30.8	18
21	Photophysical behavior of Ru(II) and Os(II) terpyridyl phenylene vinylene complexes: perturbation of MLCT state by intra-ligand charge-transfer state. Research on Chemical Intermediates, 2007, 33, 63-77.	2.7	31
22	Polymer-Based Tris(2-phenylpyridine)iridium Complexes. Macromolecules, 2006, 39, 3140-3146.	4.8	62
23	Photophysical behavior and intramolecular energy transfer in Os(ii) diimine complexes covalently linked to anthracene. Photochemical and Photobiological Sciences, 2005, 4, 89.	2.9	25
24	Photophysics of Re(I) and Ru(II) Diimine Complexes Covalently Linked to Pyrene: Contributions from Intra-Ligand Charge Transfer States. Inorganic Chemistry, 2002, 41, 359-366.	4.0	94
25	Luminescent Ruthenium(II) Bipyridylâ^'Phosphonic Acid Complexes:Â pH Dependent Photophysical Behavior and Quenching with Divalent Metal Ions. Inorganic Chemistry, 2000, 39, 76-84.	4.0	127
26	Electrogenerated chemiluminescence from Ru(ii) bipyridylphosphonic acid complexes adsorbed to mesoporous TiO2/ITO electrodes. Chemical Communications, 2000, , 505-506.	4.1	18
27	A novel caesium selective fluorescent chemosensor. Chemical Communications, 2000, , 695-696.	4.1	35
28	A Highly Selective Fluorescent Chemosensor for K+ from a Bis-15-Crown-5 Derivative. Journal of the American Chemical Society, 1999, 121, 5599-5600.	13.7	103
29	Photophysical and Photochemical Investigation of a Dodecafluorosubphthalocyanine Derivative. Journal of Physical Chemistry A, 1998, 102, 5659-5664.	2.5	60
30	Intramolecular Electronic Energy Transfer in Ruthenium(II) Diimine Donor/Pyrene Acceptor Complexes Linked by a Single Câ^'C Bond. Journal of the American Chemical Society, 1997, 119, 11012-11022.	13.7	178
31	Applications of Inorganic Photochemistry in the Chemical and Biological Sciences - Contemporary Developments. Journal of Chemical Education, 1997, 74, 633.	2.3	24
32	Intramolecular Exchange Energy Transfer in a Bridged Bimetallic Transition Metal Complex:â€‰ Calculation of Rate Constants Using Emission Spectral Fitting Parameters. The Journal of Physical Chemistry, 1996, 100, 18408-18414.	2.9	20
33	Convenient Synthesis ofbis-Bipyridines andbis-Terpyridines Bridged by Phenyl and Biphenyl Tethers. Synthetic Communications, 1994, 24, 1029-1036.	2.1	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. Molecular Crystals and Liquid Crystals, 1991, 194, 113-121.	0.7	4
35	Intramolecular Electron Transfer from Photoexcited Ru(II) Diimine Complexes to N,N'-Diquaternarized Bipyridines. Advances in Chemistry Series, 1989, , 211-223.	0.6	6