

Russell H Schmehl

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.

35
papers

1,222
citations

19
h-index

34
g-index

36
ext. papers

1,328
ext. citations

6.5
avg, IF

4.19
L-index

#	Paper	IF	Citations
35	Ruthenium complexes with asymmetric hydroxy- and methoxy-substituted bipyridine ligands. <i>Polyhedron</i> , 2021 , 205, 115300	2.7	1
34	Photophysics of Ru(II) complexes with hydroxylated diimine ligands: Photoinduced electron/proton transfer to anthraquinone. <i>Polyhedron</i> , 2021 , 207, 115376	2.7	0
33	Dodecaphenyltetracene. <i>Angewandte Chemie</i> , 2019 , 131, 2857-2859	3.6	13
32	Photochemical CO reduction with mononuclear and dinuclear rhenium catalysts bearing a pendant anthracene chromophore. <i>Chemical Communications</i> , 2019 , 55, 993-996	5.8	24
31	Photocatalytic H-Evolution by Homogeneous Molybdenum Sulfide Clusters Supported by Dithiocarbamate Ligands. <i>Inorganic Chemistry</i> , 2019 , 58, 16458-16474	5.1	7
30	Dodecaphenyltetracene. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2831-2833	16.4	27
29	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	3.8	7
28	A Mononuclear Tungsten Photocatalyst for H ₂ Production. <i>ACS Catalysis</i> , 2018 , 8, 4838-4847	13.1	16
27	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	2.7	95
26	Ruthenium Complexes are pH-Activated Metallo Prodrugs (pHAMPs) with Light-Triggered Selective Toxicity Toward Cancer Cells. <i>Inorganic Chemistry</i> , 2017 , 56, 7519-7532	5.1	33
25	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	3.8	26
24	A Facile Electrochemical Reduction Method for Improving Photocatalytic Performance of FeO Photoanode for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 381-390	9.5	45
23	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	4.2	16
22	Expanding the Scope of Ligand Substitution from [M(SCPh)] (M = Ni, Pd, Pt) To Afford New Heteroleptic Dithiolene Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 10257-10267	5.1	9
21	Electrochemical and Spectroscopic Properties of Boron Dipyrromethene- π -thiophene- π -triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9068-9080	3.8	31
20	Homoleptic Tris-Diphosphine Re(I) and Re(II) Complexes and Re(II) Photophysics and Photochemistry. <i>Inorganic Chemistry</i> , 2015 , 54, 11136-49	5.1	15
19	Photochemical generation of strong one-electron reductants via light-induced electron transfer with reversible donors followed by cross reaction with sacrificial donors. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 10400-6	2.8	12

18	Mechanistic details for cobalt catalyzed photochemical hydrogen production in aqueous solution: efficiencies of the photochemical and non-photochemical steps. <i>Inorganic Chemistry</i> , 2013 , 52, 4853-9	5.1	77
17	Vapor phase pH induced fluorescence switching of a dimethylaminostyryl terpyridine derivative in thin films. <i>New Journal of Chemistry</i> , 2012 , 36, 52-55	3.6	7
16	Synthesis, characterization, and photophysical properties of platinum(II) terpyridyl-based multi-component systems. <i>Energy and Environmental Science</i> , 2008 , 1, 573	35.4	15
15	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	2.8	31
14	Polymer-Based Tris(2-phenylpyridine)iridium Complexes. <i>Macromolecules</i> , 2006 , 39, 3140-3146	5.5	57
13	Photophysical behavior and intramolecular energy transfer in Os(II) diimine complexes covalently linked to anthracene. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 89-94	4.2	24
12	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, 359-66	5.1	89
11	Luminescent ruthenium(II) bipyridyl-phosphonic acid complexes: pH dependent photophysical behavior and quenching with divalent metal ions. <i>Inorganic Chemistry</i> , 2000 , 39, 76-84	5.1	112
10	Electrogenerated chemiluminescence from Ru(II) bipyridylphosphonic acid complexes adsorbed to mesoporous TiO ₂ /ITO electrodes. <i>Chemical Communications</i> , 2000 , 505-506	5.8	17
9	A novel caesium selective fluorescent chemosensor. <i>Chemical Communications</i> , 2000 , 695-696	5.8	33
8	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	16.4	96
7	Photophysical and Photochemical Investigation of a Dodecafluorosubphthalocyanine Derivative. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 5659-5664	2.8	56
6	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	16.4	162
5	Applications of Inorganic Photochemistry in the Chemical and Biological Sciences - Contemporary Developments. <i>Journal of Chemical Education</i> , 1997 , 74, 633	2.4	18
4	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		19
3	Convenient Synthesis of bis-Bipyridines and bis-Terpyridines Bridged by Phenyl and Biphenyl Tethers. <i>Synthetic Communications</i> , 1994 , 24, 1029-1036	1.7	23
2	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		4
1	Intramolecular Electron Transfer from Photoexcited Ru(II) Diimine Complexes to N,NSDiquaternarized Bipyridines. <i>Advances in Chemistry Series</i> , 1989 , 211-223		5

