

Russell H Schmehl

List of Publications by Year in descending order

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35
papers

1,428
citations

361045

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377514

34
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docs citations

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times ranked

2068
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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, 4853-4859. | 1.9 | 82 |
| 7 | Polymer-Based Tris(2-phenylpyridine)iridium Complexes. <i>Macromolecules</i> , 2006, 39, 3140-3146. | 2.2 | 62 |
| 8 | Photophysical and Photochemical Investigation of a Dodecafluorosubphthalocyanine Derivative. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5659-5664. | 1.1 | 60 |
| 9 | A Facile Electrochemical Reduction Method for Improving Photocatalytic Performance of Fe ₂ O ₃ Photoanode for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 381-390. | 4.0 | 51 |
| 10 | Dodecaphenyltetracene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2831-2833. | 7.2 | 45 |
| 11 | 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 |
| 12 | 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 |
| 13 | Electrochemical and Spectroscopic Properties of Boron Dipyrromethene-Thiophene-Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9068-9080. | 1.5 | 36 |
| 14 | A novel caesium selective fluorescent chemosensor. <i>Chemical Communications</i> , 2000, , 695-696. | 2.2 | 35 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | Applications of Inorganic Photochemistry in the Chemical and Biological Sciences - Contemporary Developments. <i>Journal of Chemical Education</i> , 1997, 74, 633. | 1.1 | 24 |
| 20 | Homoleptic Tris-Diphosphine Re(I) and Re(II) Complexes and Re(II) Photophysics and Photochemistry. <i>Inorganic Chemistry</i> , 2015, 54, 11136-11149. | 1.9 | 22 |
| 21 | 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 |
| 22 | A Mononuclear Tungsten Photocatalyst for H ₂ Production. <i>ACS Catalysis</i> , 2018, 8, 4838-4847. | 5.5 | 21 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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, 10400-10406. | 1.1 | 18 |
| 27 | Dodecaphenyltetracene. <i>Angewandte Chemie</i> , 2019, 131, 2857-2859. | 1.6 | 17 |

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