

Benjamin Dietzek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3756455/publications.pdf>

Version: 2024-02-01

320
papers

9,522
citations

41344

49
h-index

69250

77
g-index

332
all docs

332
docs citations

332
times ranked

9057
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Self-Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. <i>Advanced Materials</i> , 2013, 25, 1634-1638. | 21.0 | 319 |
| 2 | Raman and CARS microspectroscopy of cells and tissues. <i>Analyst, The</i> , 2009, 134, 1046. | 3.5 | 275 |
| 3 | Mitochondria Targeted Protein-Ruthenium Photosensitizer for Efficient Photodynamic Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 2512-2519. | 13.7 | 272 |
| 4 | Heteroleptic diimine-diphosphine Cu(I) complexes as an alternative towards noble-metal based photosensitizers: Design strategies, photophysical properties and perspective applications. <i>Coordination Chemistry Reviews</i> , 2018, 356, 127-146. | 18.8 | 243 |
| 5 | Photochemical Fate: The First Step Determines Efficiency of H ₂ Formation with a Supramolecular Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3981-3984. | 13.8 | 162 |
| 6 | From molecular structure to tissue architecture: collagen organization probed by SHG microscopy. <i>Journal of Biophotonics</i> , 2013, 6, 129-142. | 2.3 | 150 |
| 7 | Nonlinear microscopy, infrared, and Raman microspectroscopy for brain tumor analysis. <i>Journal of Biomedical Optics</i> , 2011, 16, 021113. | 2.6 | 138 |
| 8 | Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. <i>Journal of Biomedical Optics</i> , 2012, 17, 040801. | 2.6 | 137 |
| 9 | A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10727-10738. | 2.8 | 135 |
| 10 | Photophysics of an Intramolecular Hydrogen-Evolving Ru-Pd Photocatalyst. <i>Chemistry - A European Journal</i> , 2009, 15, 7678-7688. | 3.3 | 132 |
| 11 | A Heteroleptic Bis(tridentate) Ruthenium(II) Complex of a Click-Derived Abnormal Carbene Pincer Ligand with Potential for Photosensitizer Application. <i>Chemistry - A European Journal</i> , 2011, 17, 5494-5498. | 3.3 | 117 |
| 12 | Noninvasive Imaging of Intracellular Lipid Metabolism in Macrophages by Raman Microscopy in Combination with Stable Isotopic Labeling. <i>Analytical Chemistry</i> , 2012, 84, 8549-8556. | 6.5 | 114 |
| 13 | Palladium versus Platinum: The Metal in the Catalytic Center of a Molecular Photocatalyst Determines the Mechanism of the Hydrogen Production with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5044-5048. | 13.8 | 112 |
| 14 | A comparative Raman and CARS imaging study of colon tissue. <i>Journal of Biophotonics</i> , 2009, 2, 303-312. | 2.3 | 110 |
| 15 | Water-Soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasi-Homogeneous Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 487-495. | 13.8 | 107 |
| 16 | Multicore fiber with integrated fiber Bragg gratings for background-free Raman sensing. <i>Optics Express</i> , 2012, 20, 20156. | 3.4 | 104 |
| 17 | All-fiber laser source for CARS microscopy based on fiber optical parametric frequency conversion. <i>Optics Express</i> , 2012, 20, 4484. | 3.4 | 98 |
| 18 | Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. <i>NPG Asia Materials</i> , 2017, 9, e420-e420. | 7.9 | 97 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Optimization of Hydrogen-Evolving Photochemical Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6627-6631. | 13.8 | 96 |
| 20 | Analysis and characterization of coordination compounds by resonance Raman spectroscopy. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1479-1508. | 18.8 | 95 |
| 21 | Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. <i>ChemPhysChem</i> , 2011, 12, 2101-2109. | 2.1 | 93 |
| 22 | Ru(II) Dyads Derived from 2-(1-Pyrenyl)-1H-imidazo[4,5-f][1,10]phenanthroline: Versatile Photosensitizers for Photodynamic Applications. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10507-10521. | 2.5 | 90 |
| 23 | Physicochemical Analysis of Ruthenium(II) Sensitizers of 1,2,3-Triazole-Derived Mesoionic Carbene and Cyclometalating Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 2083-2095. | 4.0 | 81 |
| 24 | Fluorescence-based fixative and vital staining of lipid droplets in <i>Caenorhabditis elegans</i> reveal fat stores using microscopy and flow cytometry approaches. <i>Journal of Lipid Research</i> , 2011, 52, 1281-1293. | 4.2 | 79 |
| 25 | Polymeric Halogen-Bond-Based Donor Systems Showing Self-Healing Behavior in Thin Films. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4047-4051. | 13.8 | 79 |
| 26 | Alignment-free, all-spliced fiber laser source for CARS microscopy based on four-wave-mixing. <i>Optics Express</i> , 2012, 20, 21010. | 3.4 | 78 |
| 27 | Appearance of coherent artifact signals in femtosecond transient absorption spectroscopy in dependence on detector design. <i>Laser Physics Letters</i> , 2007, 4, 38-43. | 1.4 | 76 |
| 28 | Fiber optic probes for linear and nonlinear Raman applications – Current trends and future development. <i>Laser and Photonics Reviews</i> , 2013, 7, 698-731. | 8.7 | 71 |
| 29 | Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in π -Conjugated Terpyridines. <i>ChemPhysChem</i> , 2009, 10, 910-919. | 2.1 | 68 |
| 30 | A photosensitizer-polyoxometalate dyad that enables the decoupling of light and dark reactions for delayed on-demand solar hydrogen production. <i>Nature Chemistry</i> , 2022, 14, 321-327. | 13.6 | 66 |
| 31 | A Heteroleptic Bis(tridentate) Ruthenium(II) Platform Featuring an Anionic 1,2,3-Triazololate-Based Ligand for Application in the Dye-Sensitized Solar Cell. <i>Inorganic Chemistry</i> , 2014, 53, 1637-1645. | 4.0 | 65 |
| 32 | Mechanisms of Molecular Response in the Optimal Control of Photoisomerization. <i>Physical Review Letters</i> , 2006, 97, 258301. | 7.8 | 64 |
| 33 | Transient absorption microscopy: advances in chemical imaging of photoinduced dynamics. <i>Laser and Photonics Reviews</i> , 2016, 10, 62-81. | 8.7 | 64 |
| 34 | Widely tuneable fiber optical parametric amplifier for coherent anti-Stokes Raman scattering microscopy. <i>Optics Express</i> , 2012, 20, 26583. | 3.4 | 63 |
| 35 | Substitution-controlled ultrafast excited-state processes in Ru-dppz-derivatives. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1357-1368. | 2.8 | 62 |
| 36 | In Vivo Characterization of Atherosclerotic Plaque Depositions by Raman-Probe Spectroscopy and in Vitro Coherent Anti-Stokes Raman Scattering Microscopic Imaging on a Rabbit Model. <i>Analytical Chemistry</i> , 2012, 84, 7845-7851. | 6.5 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Ruthenium(II) Photosensitizers of Tridentate Click-Derived Cyclometalating Ligands: A Joint Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2012, 18, 4010-4025. | 3.3 | 61 |
| 38 | The molecular mechanism of dual emission in terpyridine transition metal complexes—ultrafast investigations of photoinduced dynamics. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1606-1617. | 2.8 | 59 |
| 39 | Ultrafast Excited-State Excitation Dynamics in a Quasi-Two-Dimensional Light-Harvesting Antenna Based on Ruthenium(II) and Palladium(II) Chromophores. <i>Chemistry - A European Journal</i> , 2006, 12, 5105-5115. | 3.3 | 57 |
| 40 | Monitoring the chemistry of self-healing by vibrational spectroscopy — current state and perspectives. <i>Materials Today</i> , 2014, 17, 57-69. | 14.2 | 57 |
| 41 | Expanding Multimodal Microscopy by High Spectral Resolution Coherent Anti-Stokes Raman Scattering Imaging for Clinical Disease Diagnostics. <i>Analytical Chemistry</i> , 2013, 85, 6703-6715. | 6.5 | 55 |
| 42 | Protonation effects on the resonance Raman properties of a novel (terpyridine)Ru(4H-imidazole) complex: an experimental and theoretical case study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15580. | 2.8 | 54 |
| 43 | Self-healing mechanism of metallopolymers investigated by QM/MM simulations and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12422. | 2.8 | 53 |
| 44 | Multimodal imaging to study the morphochemistry of basal cell carcinoma. <i>Journal of Biophotonics</i> , 2010, 3, 728-736. | 2.3 | 52 |
| 45 | Analysis of the cytochrome distribution via linear and nonlinear Raman spectroscopy. <i>Analyst</i> , The, 2010, 135, 908. | 3.5 | 52 |
| 46 | Determination of side products in the photocatalytic generation of hydrogen with copper photosensitizers by resonance Raman spectroelectrochemistry. <i>RSC Advances</i> , 2016, 6, 105801-105805. | 3.6 | 52 |
| 47 | Protochlorophyllide a: A Comprehensive Photophysical Picture. <i>ChemPhysChem</i> , 2009, 10, 144-150. | 2.1 | 51 |
| 48 | Detection and Discrimination of Non-Melanoma Skin Cancer by Multimodal Imaging. <i>Healthcare (Switzerland)</i> , 2013, 1, 64-83. | 2.0 | 51 |
| 49 | Dual Emission from Highly Conjugated 2,2',6,6'-Terpyridine Complexes—A Potential Route to White Emitters. <i>Macromolecular Rapid Communications</i> , 2010, 31, 883-888. | 3.9 | 50 |
| 50 | Cu(I) vs. Ru(II) photosensitizers: elucidation of electron transfer processes within a series of structurally related complexes containing an extended π -system. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24843-24857. | 2.8 | 50 |
| 51 | Synthesis, Characterization, and Electro-Optical Properties of Zn(II) Complexes with π -Conjugated Terpyridine Ligands. <i>ChemPhysChem</i> , 2009, 10, 787-798. | 2.1 | 49 |
| 52 | Different contrast information obtained from CARS and nonresonant FWM images. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 941-947. | 2.5 | 49 |
| 53 | Covalent Photosensitizer—Polyoxometalate—Catalyst Dyads for Visible-Light-Driven Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2016, 22, 12002-12005. | 3.3 | 49 |
| 54 | Synthesis and Resonance Energy Transfer Study on a Random Terpolymer Containing a 2-(Pyridine-2-yl)thiazole Donor-Type Ligand and a Luminescent [Ru(bpy) ₂ (2-(triazol-4-yl)pyridine)] ²⁺ Chromophore. <i>Macromolecules</i> , 2011, 44, 6277-6287. | 4.8 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. <i>Chemical Communications</i> , 2014, 50, 5227. | 4.1 | 48 |
| 56 | An artificial photosynthetic system for photoaccumulation of two electrons on a fused dipyrrophenazine (dppz)-pyridoquinolinone ligand. <i>Chemical Science</i> , 2018, 9, 4152-4159. | 7.4 | 48 |
| 57 | Synthesis and characterization of regioselective substituted tetrapyrrophenazine ligands and their Ru(II) complexes. <i>Dalton Transactions</i> , 2010, 39, 2359. | 3.3 | 45 |
| 58 | Self-Healing Polymer Networks Based on Reversible Michael Addition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2541-2550. | 2.2 | 45 |
| 59 | A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. <i>Analyst</i> , 2013, 138, 4048. | 3.5 | 44 |
| 60 | Multimodal nonlinear microscopic investigations on head and neck squamous cell carcinoma: Toward intraoperative imaging. <i>Head and Neck</i> , 2013, 35, E280-7. | 2.0 | 44 |
| 61 | Quantitative detection of C-deuterated drugs by CARS microscopy and Raman microspectroscopy. <i>Analyst</i> , 2011, 136, 3686. | 3.5 | 43 |
| 62 | Fiber-based optical parametric oscillator for high resolution coherent anti-Stokes Raman scattering (CARS) microscopy. <i>Optics Express</i> , 2014, 22, 21921. | 3.4 | 43 |
| 63 | [FeFe]-Hydrogenase H-cluster mimics mediated by naphthalene monoimide derivatives of peri-substituted dichalcogenides. <i>Dalton Transactions</i> , 2017, 46, 11180-11191. | 3.3 | 43 |
| 64 | Interpreting CARS images of tissue within the C-H stretching region. <i>Journal of Biophotonics</i> , 2012, 5, 729-733. | 2.3 | 41 |
| 65 | Watching Ultrafast Barrierless Excited-State Isomerization of Pseudocyanine in Real Time. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4520-4526. | 2.6 | 40 |
| 66 | Photoinduced Charge Accumulation and Prolonged Multielectron Storage for the Separation of Light and Dark Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 15722-15728. | 13.7 | 40 |
| 67 | Zinc(II) Bisterpyridine Complexes: The Influence of the Cation on the π -Conjugation between Terpyridine and the Lateral Phenyl Substituent. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18651-18660. | 3.1 | 39 |
| 68 | The switch that wouldn't switch - unexpected luminescence from a ruthenium(II)-dppz-complex in water. <i>Dalton Transactions</i> , 2010, 39, 2768. | 3.3 | 39 |
| 69 | Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. <i>Biofouling</i> , 2012, 28, 687-696. | 2.2 | 39 |
| 70 | Excited-State Planarization as Free Barrierless Motion in a π -Conjugated Terpyridine. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6841-6848. | 3.1 | 38 |
| 71 | Immuno-Surface-Enhanced Coherent Anti-Stokes Raman Scattering Microscopy: Immunohistochemistry with Target-Specific Metallic Nanoprobes and Nonlinear Raman Microscopy. <i>Analytical Chemistry</i> , 2011, 83, 7081-7085. | 6.5 | 38 |
| 72 | Structural Control of Photoinduced Dynamics in 4-Hydroxyimidazole-Ruthenium Dyes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25664-25676. | 3.1 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Trapped in Imidazole: How to Accumulate Multiple Photoelectrons on a Blackâ€Absorbing Ruthenium Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 3793-3799. | 3.3 | 38 |
| 74 | Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Dielsâ€Alder reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22587-22595. | 2.8 | 38 |
| 75 | Quantitative CARS Microscopic Detection of Analytes and Their Isotopomers in a Twoâ€Channel Microfluidic Chip. <i>Small</i> , 2009, 5, 2816-2818. | 10.0 | 37 |
| 76 | A Concept to Tailor Electron Delocalization: Applying QTAIM Analysis to Phenylâ€Terpyridine Compounds. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13163-13174. | 2.5 | 37 |
| 77 | Characterization of collagen and cholesterol deposition in atherosclerotic arterial tissue using nonâ€linear microscopy. <i>Journal of Biophotonics</i> , 2014, 7, 135-143. | 2.3 | 36 |
| 78 | Photoredox-active Dyads Based on a Ru(II) Photosensitizer Equipped with Electron Donor or Acceptor Polymer Chains: A Spectroscopic Study of Light-Induced Processes toward Efficient Charge Separation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4742-4751. | 3.1 | 36 |
| 79 | Resonance Raman studies of photochemical molecular devices for multielectron storage. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 557-559. | 2.5 | 35 |
| 80 | Ruthenium polypyridine complexes of tris-(2-pyridyl)-1,3,5-triazineâ€unusual building blocks for the synthesis of photochemical molecular devices. <i>Dalton Transactions</i> , 2009, , 4012. | 3.3 | 35 |
| 81 | Sterically induced distortions of nickel(II) porphyrins â€ Comprehensive investigation by DFT calculations and resonance Raman spectroscopy. <i>Coordination Chemistry Reviews</i> , 2018, 360, 1-16. | 18.8 | 35 |
| 82 | Photophysical Dynamics of a Ruthenium Polypyridine Dye Controlled by Solvent pH. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1274-1281. | 3.1 | 34 |
| 83 | How Does Peripheral Functionalization of Ruthenium(II)â€Terpyridine Complexes Affect Spatial Charge Redistribution after Photoexcitation at the Franckâ€Condon Point?. <i>ChemPhysChem</i> , 2015, 16, 1395-1404. | 2.1 | 34 |
| 84 | Plant Protochlorophyllide Oxidoreductases A and B. <i>Journal of Biological Chemistry</i> , 2015, 290, 28530-28539. | 3.4 | 34 |
| 85 | Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substituted Imidazo[4,5- <i>f</i>][1,10]phenanthroline Ligands. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3986-3994. | 2.5 | 34 |
| 86 | Photocatalytic Hydrogen Evolution Driven by [FeFe] Hydrogenase Models Tethered to Fluorene and Silafluorene Sensitizers. <i>Chemistry - A European Journal</i> , 2017, 23, 334-345. | 3.3 | 34 |
| 87 | Excited State Dynamics of a Photobiologically Active Ru(II) Dyad Are Altered in Biologically Relevant Environments. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5635-5644. | 2.5 | 34 |
| 88 | Unraveling the Lightâ€Activated Reaction Mechanism in a Catalytically Competent Key Intermediate of a Multifunctional Molecular Catalyst for Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13140-13148. | 13.8 | 34 |
| 89 | Pump-Shaped Dump Optimal Control Reveals the Nuclear Reaction Pathway of Isomerization of a Photoexcited Cyanine Dye. <i>Journal of the American Chemical Society</i> , 2007, 129, 13014-13021. | 13.7 | 33 |
| 90 | Aqueous Photocurrent Measurements Correlated to Ultrafast Electron Transfer Dynamics at Ruthenium Tris Diimine Sensitized NiO Photocathodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5891-5904. | 3.1 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Dye-sensitized PS- <i>b</i> -P2VP-templated nickel oxide films for photoelectrochemical applications. <i>Interface Focus</i> , 2015, 5, 20140083. | 3.0 | 32 |
| 92 | ZnO nanoflowers-based photoanodes: aqueous chemical synthesis, microstructure and optical properties. <i>Open Chemistry</i> , 2016, 14, 158-169. | 1.9 | 32 |
| 93 | New approaches in component design for dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 367-383. | 4.9 | 32 |
| 94 | Active repair of a dinuclear photocatalyst for visible-light-driven hydrogen production. <i>Nature Chemistry</i> , 2022, 14, 500-506. | 13.6 | 32 |
| 95 | Coherent anti-Stokes Raman scattering and two photon excited fluorescence for neurosurgery. <i>Clinical Neurology and Neurosurgery</i> , 2015, 131, 42-46. | 1.4 | 31 |
| 96 | Controlling Electronic Transitions in Fullerene van der Waals Aggregates via Supramolecular Assembly. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21512-21521. | 8.0 | 31 |
| 97 | Blue-Emitting Polymers Based on 4-Hydroxythiazoles Incorporated in a Methacrylate Backbone. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 840-848. | 2.2 | 30 |
| 98 | A Novel Ru(II) Polypyridine Black Dye Investigated by Resonance Raman Spectroscopy and TDDFT Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19968-19977. | 3.1 | 30 |
| 99 | Ultrafast Circular Dichroism Study of the Ring Opening of 7-Dehydrocholesterol. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 182-185. | 4.6 | 30 |
| 100 | Recent advances in ultrafast time-resolved chirality measurements: perspective and outlook. <i>Laser and Photonics Reviews</i> , 2013, 7, 495-505. | 8.7 | 30 |
| 101 | Light-Induced Dynamics in Conjugated Bis(terpyridine) Ligands – A Case Study Toward Photoactive Coordination Polymers. <i>Macromolecular Rapid Communications</i> , 2012, 33, 481-497. | 3.9 | 29 |
| 102 | Accumulating advantages, reducing limitations: Multimodal nonlinear imaging in biomedical sciences – The synergy of multiple contrast mechanisms. <i>Journal of Biophotonics</i> , 2013, 6, 887-904. | 2.3 | 29 |
| 103 | Influence of Protonation State on the Excited State Dynamics of a Photobiologically Active Ru(II) Dyad. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6379-6388. | 2.5 | 29 |
| 104 | Electron transfer in a covalent dye-cobalt catalyst assembly – a transient absorption spectroelectrochemistry perspective. <i>Chemical Communications</i> , 2018, 54, 10594-10597. | 4.1 | 29 |
| 105 | Predictive Strength of Photophysical Measurements for in Vitro Photobiological Activity in a Series of Ru(II) Polypyridyl Complexes Derived from π -Extended Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 3156-3166. | 4.0 | 29 |
| 106 | Influence of Multiple Protonation on the Initial Excitation in a Black Dye. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24004-24012. | 3.1 | 28 |
| 107 | Tuning the polarity and surface activity of hydroxythiazoles – extending the applicability of highly fluorescent self-assembling chromophores to supra-molecular photonic structures. <i>Journal of Materials Chemistry C</i> , 2016, 4, 958-971. | 5.5 | 28 |
| 108 | The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. <i>ChemPhysChem</i> , 2006, 7, 1727-1733. | 2.1 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Ultrafast plasmon dynamics and evanescent field distribution of reproducible surface-enhanced Raman-scattering substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1811-1818. | 3.7 | 27 |
| 110 | Direct Observation of Temperature-Dependent Excited-State Equilibrium in Dinuclear Ruthenium Terpyridine Complexes Bearing Electron-Poor Bridging Ligands. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12677-12688. | 3.1 | 27 |
| 111 | Towards automated segmentation of cells and cell nuclei in nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 878-888. | 2.3 | 27 |
| 112 | Synthesis and photophysics of a novel photocatalyst for hydrogen production based on a tetrapyrrodoacridine bridging ligand. <i>Chemical Physics</i> , 2012, 393, 65-73. | 1.9 | 27 |
| 113 | Synthesis and characterization of ruthenium and rhenium dyes with phosphonate anchoring groups. <i>Dalton Transactions</i> , 2016, 45, 9216-9228. | 3.3 | 27 |
| 114 | Energy transfer and formation of long-lived 3MLCT states in multimetallic complexes with extended highly conjugated bis-terpyridyl ligands. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2350-2360. | 2.8 | 26 |
| 115 | Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. <i>Macromolecules</i> , 2017, 50, 3789-3795. | 4.8 | 26 |
| 116 | Investigation of substitution effects on novel Ru ^{II} -dppz complexes by Raman spectroscopy in combination with DFT methods. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 922-932. | 2.5 | 25 |
| 117 | Fluorescence quenching in Zn ²⁺ -bis-terpyridine coordination polymers: a single molecule study. <i>Journal of Materials Chemistry</i> , 2012, 22, 16041. | 6.7 | 25 |
| 118 | Protonation-Dependent Luminescence of an Iridium(III) Bibenzimidazole Chromophore. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3730-3739. | 2.0 | 25 |
| 119 | New Ruthenium Bis(terpyridine) Methanofullerene and Pyrrolidinofullerene Complexes: Synthesis and Electrochemical and Photophysical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 3159-3171. | 4.0 | 25 |
| 120 | Effect of annealing on the sub-bandgap, defects and trapping states of ZnO nanostructures. <i>Chemical Physics</i> , 2017, 483-484, 112-121. | 1.9 | 25 |
| 121 | Photophysics of BODIPY Dyes as Readily-Designable Photosensitisers in Light-Driven Proton Reduction. <i>Inorganics</i> , 2017, 5, 21. | 2.7 | 25 |
| 122 | Self-Assembled Graphene/MWCNT Bilayers as Platinum-Free Counter Electrode in Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2019, 20, 3336-3345. | 2.1 | 25 |
| 123 | Photodoping and Fast Charge Extraction in Ionic Carbon Nitride Photoanodes. <i>Advanced Functional Materials</i> , 2021, 31, 2105369. | 14.9 | 25 |
| 124 | Ultrafast Intramolecular Relaxation and Wavepacket Motion in a Ruthenium-Based Supramolecular Photocatalyst. <i>Chemistry - A European Journal</i> , 2015, 21, 7668-7674. | 3.3 | 24 |
| 125 | Ultrafast Excited-State Isomerization Dynamics of 1,1'-Diethyl-2,2'-Cyanine Studied by Four-Wave Mixing Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5396-5404. | 2.6 | 23 |
| 126 | Visualizing overdamped wavepacket motion: Excited-state isomerization of pseudocyanine in viscous solvents. <i>Chemical Physics</i> , 2009, 357, 54-62. | 1.9 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | Toward in Vivo Chemical Imaging of Epicuticular Waxes. <i>Plant Physiology</i> , 2010, 154, 604-610. | 4.8 | 23 |
| 128 | Tuning of photocatalytic activity by creating a tridentate coordination sphere for palladium. <i>Dalton Transactions</i> , 2014, 43, 11676. | 3.3 | 23 |
| 129 | Hole injection dynamics from two structurally related Ru(II)-bipyridine complexes into NiOx is determined by the substitution pattern of the ligands. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7823-7830. | 2.8 | 23 |
| 130 | Oxygen-Dependent Photocatalytic Water Reduction with a Ruthenium(imidazolium) Chromophore and a Cobaloxime Catalyst. <i>Chemistry - A European Journal</i> , 2016, 22, 8240-8253. | 3.3 | 23 |
| 131 | Appearance of intramolecular high-frequency vibrations in two-dimensional, time-integrated three-pulse photon echo data. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 701-710. | 2.8 | 22 |
| 132 | Catalytic Efficiency of a Photoenzyme—An Adaptation to Natural Light Conditions. <i>ChemPhysChem</i> , 2012, 13, 2013-2015. | 2.1 | 22 |
| 133 | Light-harvesting of polymerizable 4-hydroxy-1,3-thiazole monomers by energy transfer toward photoactive Os(II) metal complexes in linear polymers. <i>Polymer Chemistry</i> , 2014, 5, 2715-2724. | 3.9 | 22 |
| 134 | Synthesis and characterization of an immobilizable photochemical molecular device for H ₂ -generation. <i>Dalton Transactions</i> , 2015, 44, 5577-5586. | 3.3 | 22 |
| 135 | Visible-light sensitized photocatalytic hydrogen generation using a dual emissive heterodinuclear cyclometalated iridium(III)/ruthenium(II) complex. <i>Journal of Organometallic Chemistry</i> , 2016, 821, 163-170. | 1.8 | 22 |
| 136 | On the Control of Chromophore Orientation, Supramolecular Structure, and Thermodynamic Stability of an Amphiphilic Pyridyl-Thiazol upon Lateral Compression and Spacer Length Variation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44181-44191. | 8.0 | 22 |
| 137 | Direct detection of the photoinduced charge-separated state in a Ru(II) bis(terpyridine)-polyoxometalate molecular dyad. <i>Chemical Communications</i> , 2018, 54, 2970-2973. | 4.1 | 21 |
| 138 | Photodriven Charge Accumulation and Carrier Dynamics in a Water-Soluble Carbon Nitride Photocatalyst. <i>ChemSusChem</i> , 2021, 14, 1728-1736. | 6.8 | 21 |
| 139 | Outpacing conventional nicotinamide hydrogenation catalysis by a strongly communicating heterodinuclear photocatalyst. <i>Nature Communications</i> , 2022, 13, 2538. | 12.8 | 21 |
| 140 | Tracking Ultrafast Excited-State Bond-Twisting Motion in Solution Close to the Franck-Condon Point. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6034-6041. | 2.6 | 20 |
| 141 | Insights into the Mechanism of Polymer Coating Self-Healing Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 541-548. | 2.2 | 20 |
| 142 | Optimized Photoinitiator for Fast Two-Photon Absorption Polymerization of Polyester-Macromers for Tissue Engineering. <i>Advanced Engineering Materials</i> , 2017, 19, 1600686. | 3.5 | 20 |
| 143 | Energy versus Electron Transfer: Controlling the Excitation Transfer in Molecular Triads. <i>Chemistry - A European Journal</i> , 2017, 23, 4917-4922. | 3.3 | 20 |
| 144 | Polymeric carbon nitride coupled with a molecular thiomolybdate catalyst: exciton and charge dynamics in light-driven hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6085-6095. | 4.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Yieldâ€”not only Lifetimeâ€”of the Photoinduced Chargeâ€”Separated State in Iridium Complexâ€”Polyoxometalate Dyads Impact Their Hydrogen Evolution Reactivity. <i>Chemistry - A European Journal</i> , 2020, 26, 8045-8052. | 3.3 | 20 |
| 146 | The Excited-State Dynamics of Phycocyanobilin in Dependence on the Excitation Wavelength. <i>ChemPhysChem</i> , 2004, 5, 1171-1177. | 2.1 | 19 |
| 147 | Resonance Raman Spectral Imaging of Intracellular Uptake of Î²â€”Carotene Loaded Poly(D, <i>scp</i> >L</scp>â€”lactideâ€”i>co</i>â€”glycolide) Nanoparticles. <i>ChemPhysChem</i> , 2013, 14, 155-161. | 2.1 | 19 |
| 148 | Self-Healing Functional Polymeric Materials. <i>Advances in Polymer Science</i> , 2015, , 247-283. | 0.8 | 19 |
| 149 | A Îµ* State Enables Photoaccumulation of Charges on a Îµ-Extended Dipyridophenazine Ligand in a Ru(II) Polypyridine Complex. <i>Journal of Physical Chemistry C</i> , 2018, 122, 83-95. | 3.1 | 19 |
| 150 | Molecular Scylla and Charybdis: Maneuvering between pH Sensitivity and Excited-State Localization in Ruthenium Bi(benz)imidazole Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 12097-12110. | 4.0 | 19 |
| 151 | Spectroscopic Investigations Provide a Rationale for the Hydrogen-Evolving Activity of Dye-Sensitized Photocathodes Based on a Cobalt Tetraazamacrocyclic Catalyst. <i>ACS Catalysis</i> , 2021, 11, 3662-3678. | 11.2 | 19 |
| 152 | Fluorescence upconversion by tripletâ€”triplet annihilation in all-organic poly(methacrylate)-terpolymers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4072-4079. | 2.8 | 19 |
| 153 | Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. <i>Chemical Physics Letters</i> , 2010, 492, 157-163. | 2.6 | 18 |
| 154 | Separation of CARS image contributions with a Gaussian mixture model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 1361. | 1.5 | 18 |
| 155 | Ruthenium dye functionalized gold nanoparticles and their spectral responses. <i>RSC Advances</i> , 2012, 2, 4463. | 3.6 | 18 |
| 156 | Synthesis and Characterization of Poly(methyl methacrylate) Backbone Polymers Containing Sideâ€”Chain Pendant Ruthenium(II) Bisâ€”Terpyridine Complexes With an Elongated Conjugated System. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 808-819. | 2.2 | 18 |
| 157 | Efficient Energy Transfer and Metal Coupling in Cyanide-Bridged Heterodinuclear Complexes Based on (Bipyridine)(terpyridine)ruthenium(II) and (Phenylpyridine)iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 5152-5167. | 4.0 | 18 |
| 158 | Do You Get What You See? Understanding Molecular Selfâ€”Healing. <i>Chemistry - A European Journal</i> , 2018, 24, 2493-2502. | 3.3 | 18 |
| 159 | Controlling Intermolecular Interactions at Interfaces: Case of Supramolecular Tuning of Fullerene's Electronic Structure. <i>Advanced Energy Materials</i> , 2018, 8, 1801737. | 19.5 | 18 |
| 160 | Investigating Light-Driven Hole Injection and Hydrogen Evolution Catalysis at Dye-Sensitized NiO Photocathodes: A Combined Experimentalâ€”Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17176-17184. | 3.1 | 18 |
| 161 | Excited-state dynamics of heteroleptic copper(i) photosensitizers and their electrochemically reduced forms containing a dipyrrophenazine moiety â€” a spectroelectrochemical transient absorption study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10716-10725. | 2.8 | 18 |
| 162 | Protein-Induced Excited-State Dynamics of Protochlorophyllide. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7873-7881. | 2.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | Classification of novel thiazole compounds for sensitizing Ru ^{II} -polypyridine complexes for artificial light harvesting. <i>Journal of Luminescence</i> , 2011, 131, 1149-1153. | 3.1 | 17 |
| 164 | Towards Hydrogen Evolution Initiated by LED Light: 1,2,3-Triazol-4-ylpyridine-Containing Polymers as Photocatalyst. <i>Macromolecular Rapid Communications</i> , 2015, 36, 671-677. | 3.9 | 17 |
| 165 | Increased Charge Separation Rates with Increasing Donor-Acceptor Distance in Molecular Triads: The Effect of Solvent Polarity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9220-9229. | 3.1 | 17 |
| 166 | A Double Self-Assembly Process for Versatile Reduced-Graphene-Oxide Layer Deposition and Conformal Coating on 3D Structures. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700758. | 3.7 | 17 |
| 167 | Arylic versus Alkyl-Hydrophobic Linkers Determine the Supramolecular Structure and Optoelectronic Properties of Tripodal Amphiphilic Push-Pull Thiazoles. <i>Langmuir</i> , 2019, 35, 2561-2570. | 3.5 | 17 |
| 168 | A Dinuclear Osmium(II) Complex Near-Infrared Nanoscopy Probe for Nuclear DNA. <i>Journal of the American Chemical Society</i> , 2021, 143, 20442-20453. | 13.7 | 17 |
| 169 | Automated classification of healthy and keloidal collagen patterns based on processing of SHG images of human skin. <i>Journal of Biophotonics</i> , 2011, 4, 627-636. | 2.3 | 16 |
| 170 | Blue emitting side-chain pendant 4-hydroxy-1,3-thiazoles in polystyrenes synthesized by RAFT polymerization. <i>European Polymer Journal</i> , 2012, 48, 1339-1347. | 5.4 | 16 |
| 171 | In situ spectroelectrochemical and theoretical study on the oxidation of a 4H-imidazole-ruthenium dye adsorbed on nanocrystalline TiO ₂ thin film electrodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29637-29646. | 2.8 | 16 |
| 172 | And yet they glow: thiazole based push-pull fluorophores containing nitro groups and the influence of regioisomerism. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 025005. | 2.3 | 16 |
| 173 | ZnO Nanostructures for Dye-Sensitized Solar Cells Using the TEMPO ⁺ /TEMPO Redox Mediator and Ruthenium(II) Photosensitizers with 1,2,3-Triazole-Derived Ligands. <i>ChemPlusChem</i> , 2016, 81, 1281-1291. | 2.8 | 16 |
| 174 | Excited State Properties of Heteroleptic Cu(I) 4-Hydroxy-Imidazolates Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 12978-12986. | 4.0 | 16 |
| 175 | Extending Long-Lived Charge Separation Between Donor and Acceptor Blocks in Novel Copolymer Architectures Featuring a Sensitizer Core. <i>Chemistry - A European Journal</i> , 2017, 23, 16484-16490. | 3.3 | 16 |
| 176 | Probing the dye-semiconductor interface in dye-sensitized NiO solar cells. <i>Journal of Chemical Physics</i> , 2020, 153, 184704. | 3.0 | 16 |
| 177 | 1,7,9,10-Tetrasubstituted PMIs Accessible through Decarboxylative Bromination: Synthesis, Characterization, Photophysical Studies, and Hydrogen Evolution Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 4081-4088. | 3.3 | 16 |
| 178 | Photophysics of Ruthenium(II) Complexes with Thiazole-Extended Dipyridophenazine Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 760-773. | 4.0 | 16 |
| 179 | Hydrogen Production at a NiO Photocathode Based on a Ruthenium Dye-Cobalt Diimine Dioxime Catalyst Assembly: Insights from Advanced Spectroscopy and Post-operando Characterization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49802-49815. | 8.0 | 16 |
| 180 | ¹⁵ N-Methyl deuterated rhodamines for protein labelling in sensitive fluorescence microscopy. <i>Chemical Science</i> , 2022, 13, 8605-8617. | 7.4 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Synthesis and characterization of polymethacrylates containing conjugated oligo(phenylene) Tj ETQq1 1 0.784314,rgBT /Overlock 10 | 2.3 | 15 |
| 182 | Ruthenium Imidazophenanthroline Complexes with Prolonged Excited-State Lifetimes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3932-3939. | 2.0 | 15 |
| 183 | Ultrafast in cellulo photoinduced dynamics processes of the paradigm molecular light switch [Ru(bpy)2dppz]2+. <i>Scientific Reports</i> , 2016, 6, 33547. | 3.3 | 15 |
| 184 | Introducing double polar heads to highly fluorescent Thiazoles: Influence on supramolecular structures and photonic properties. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 410-418. | 9.4 | 15 |
| 185 | Remendable polymers via reversible Diels-Alder cycloaddition of anthracene-containing copolymers with fullerenes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45916. | 2.6 | 15 |
| 186 | Water-Soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasi-Homogeneous Photocatalysis. <i>Angewandte Chemie</i> , 2020, 132, 495-503. | 2.0 | 15 |
| 187 | Excitation Energy-Dependent Branching Dynamics Determines Photostability of Iron(II)-Mesoionic Carbene Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 9157-9173. | 4.0 | 15 |
| 188 | Sensitization of NO-Releasing Ruthenium Complexes to Visible Light. <i>Chemistry - A European Journal</i> , 2015, 21, 15554-15563. | 3.3 | 14 |
| 189 | Photophysics of a Ruthenium 4 <i>H</i> -imidazole Panchromatic Dye in Interaction with Titanium Dioxide. <i>ChemPhysChem</i> , 2015, 16, 1061-1070. | 2.1 | 14 |
| 190 | Intermolecular exciton-exciton annihilation in phospholipid vesicles doped with [Ru(bpy)2dppz]2+. <i>Chemical Physics Letters</i> , 2016, 644, 56-61. | 2.6 | 14 |
| 191 | Molecular self-healing mechanisms between C ₆₀ -fullerene and anthracene unveiled by Raman and two-dimensional correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17973-17982. | 2.8 | 14 |
| 192 | Tailoring Cellular Uptake and Fluorescence of Poly(2-oxazoline)-Based Nanogels. <i>Bioconjugate Chemistry</i> , 2017, 28, 1229-1235. | 3.6 | 14 |
| 193 | Absorption and Fluorescence Features of an Amphiphilic <i>meso</i> -Pyrimidinylcorrole: Experimental Study and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8614-8624. | 2.5 | 14 |
| 194 | Polymerbasierte Halogenbrückendonoren mit selbstheilenden Eigenschaften in Filmen. <i>Angewandte Chemie</i> , 2017, 129, 4105-4110. | 2.0 | 14 |
| 195 | Optimal control of peridinin excited-state dynamics. <i>Chemical Physics</i> , 2010, 373, 129-136. | 1.9 | 13 |
| 196 | Utilizing Ancillary Ligands to Optimize the Photophysical Properties of 4 <i>H</i> -imidazole Ruthenium Dyes. <i>ChemPhysChem</i> , 2013, 14, 2973-2983. | 2.1 | 13 |
| 197 | Evidence for SERRS Enhancement in the Spectra of Ruthenium Dye-Metal Nanoparticle Conjugates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1121-1129. | 3.1 | 13 |
| 198 | Ru dye functionalized Au-SiO ₂ @TiO ₂ and Au/Pt-SiO ₂ @TiO ₂ nanoassemblies for surface-plasmon-induced visible light photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 114-121. | 9.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 199 | Porous NiOx nanostructures templated by polystyrene-block-poly(2-vinylpyridine) diblock copolymer micelles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6158. | 10.3 | 13 |
| 200 | Role of MLCT States in the Franck-Condon Region of Neutral, Heteroleptic Cu(I)-imidazole Complexes: A Spectroscopic and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6607-6616. | 2.5 | 13 |
| 201 | Covalent Linkage of BODIPY-Photosensitizers to Anderson-Type Polyoxometalates Using CLICK Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 17181-17187. | 3.3 | 13 |
| 202 | On the excited-state multi-dimensionality in cyanines. <i>Chemical Physics Letters</i> , 2008, 455, 13-19. | 2.6 | 12 |
| 203 | Photometric Detection of Nitric Oxide Using a Dissolved Iron(III) Corrole as a Sensitizer. <i>ChemPlusChem</i> , 2016, 81, 594-603. | 2.8 | 12 |
| 204 | Impact of drying procedure on the morphology and structure of TiO2 xerogels and the performance of dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 693-703. | 2.4 | 12 |
| 205 | Is electron ping-pong limiting the catalytic hydrogen evolution activity in covalent photosensitizer-polyoxometalate dyads?. <i>Chemical Communications</i> , 2020, 56, 10485-10488. | 4.1 | 12 |
| 206 | It Takes Three to Tango: The Length of the Oligothiophene Chain Determines the Nature of the Long-Lived Excited State and the Resulting Photocytotoxicity of a Ruthenium(II) Photodrug. <i>ChemPhotoChem</i> , 2021, 5, 421-425. | 3.0 | 12 |
| 207 | Excited-state annihilation in a homodinuclear ruthenium complex. <i>Chemical Communications</i> , 2011, 47, 3820. | 4.1 | 11 |
| 208 | Excited-State Dynamics of Protochlorophyllide Revealed by Subpicosecond Infrared Spectroscopy. <i>Biophysical Journal</i> , 2011, 100, 260-267. | 0.5 | 11 |
| 209 | Incorporation of Polymerizable Osmium(II) Bis-terpyridine Complexes into PMMA Backbones. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 74-80. | 3.7 | 11 |
| 210 | Redox State Sensitive Spectroscopy of the Model Compound [(H-dcbpy) ₂ Ru ^{II} (NCS) ₂] ²⁺ (dcbpy =) Tj ETQq0 0 0 rgBT /Overclock 10 Tf150 297 T | | |
| 211 | Assembly of T-Shaped Amphiphilic Thiazoles on the Air-Water Interface: Impact of Polar Chromophore Moieties, as Well as Dipolarity and π -Extension of the Chromophore on the Supramolecular Structure. <i>Langmuir</i> , 2019, 35, 2587-2600. | 3.5 | 11 |
| 212 | Switching the Mechanism of NADH Photooxidation by Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2021, 27, 16840-16845. | 3.3 | 11 |
| 213 | Resonance-Raman microspectroscopy for quality assurance of dye-sensitized NiOx films with respect to dye desorption kinetics in water. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15185. | 2.8 | 10 |
| 214 | Automated seeding-based nuclei segmentation in nonlinear optical microscopy. <i>Applied Optics</i> , 2013, 52, 6979. | 1.8 | 10 |
| 215 | Synthesis of three series of ruthenium tris-diimine complexes containing acridine-based π -extended ligands using an efficient α -chemistry on the complex approach. <i>Dalton Transactions</i> , 2016, 45, 16298-16308. | 3.3 | 10 |
| 216 | Photophysics of a Ruthenium Complex with a π -Extended Dipyridophenazine Ligand for DNA Quadruplex Labeling. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6558-6569. | 2.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 217 | Autonomous Supramolecular Interface Self-Healing Monitored by Restoration of UV/Vis Absorption Spectra of Self-Assembled Thiazole Layers. <i>Chemistry - A European Journal</i> , 2019, 25, 8630-8634. | 3.3 | 10 |
| 218 | Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 14844-14851. | 3.3 | 10 |
| 219 | A Highly Fluorescent Dinuclear Aluminium Complex with Near-Unity Quantum Yield**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 10 |
| 220 | Raman Spectroscopic Insights into the Chemical Gradients within the Wound Plug of the Green Alga <i>Caulerpa taxifolia</i> . <i>ChemBioChem</i> , 2013, 14, 727-732. | 2.6 | 9 |
| 221 | Fluorescence Study of Energy Transfer in PMMA Polymers with Pendant Oligo-Phenylene-Ethylenes. <i>ChemPhysChem</i> , 2013, 14, 170-178. | 2.1 | 9 |
| 222 | A program for automatically predicting supramolecular aggregates and its application to urea and porphyrin. <i>Journal of Computational Chemistry</i> , 2018, 39, 763-772. | 3.3 | 9 |
| 223 | Unraveling the Light-Activated Reaction Mechanism in a Catalytically Competent Key Intermediate of a Multifunctional Molecular Catalyst for Artificial Photosynthesis. <i>Angewandte Chemie</i> , 2019, 131, 13274-13282. | 2.0 | 9 |
| 224 | Resonance Raman Spectro-Electrochemistry to Illuminate Photo-Induced Molecular Reaction Pathways. <i>Molecules</i> , 2019, 24, 245. | 3.8 | 9 |
| 225 | String-Attached Oligothiophene Substituents Determine the Fate of Excited States in Ruthenium Complexes for Photodynamic Therapy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6985-6994. | 2.5 | 9 |
| 226 | Superconducting single-photon counting system for optical experiments requiring time-resolution in the picosecond range. <i>Review of Scientific Instruments</i> , 2012, 83, 123103. | 1.3 | 8 |
| 227 | Spectroelectrochemical Investigation of the One-Electron Reduction of Nonplanar Nickel(II) Porphyrins. <i>ChemPhysChem</i> , 2016, 17, 3480-3493. | 2.1 | 8 |
| 228 | Coexistence of distinct intramolecular electron transfer pathways in polyoxometalate based molecular triads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11740-11748. | 2.8 | 8 |
| 229 | Photoannealing of Merocyanine Aggregates. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9821-9832. | 2.5 | 8 |
| 230 | Investigating Light-Induced Processes in Covalent Dye-Catalyst Assemblies for Hydrogen Production. <i>Catalysts</i> , 2020, 10, 1340. | 3.5 | 8 |
| 231 | Structure of Diethyl-Phosphonic Acid Anchoring Group Affects the Charge-Separated State on an Iridium(III) Complex Functionalized NiO Surface. <i>ChemPhotoChem</i> , 2020, 4, 618-629. | 3.0 | 8 |
| 232 | Quinoline Photobasicity: Investigation within Water-Soluble Light-Responsive Copolymers. <i>Chemistry - A European Journal</i> , 2021, 27, 1072-1079. | 3.3 | 8 |
| 233 | Influence of the Protonation State on the Excited-State Dynamics of Ruthenium(II) Complexes with Imidazole-Extended Dipyrrophenazine Ligands. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5911-5921. | 2.5 | 8 |
| 234 | Supramolecular Reorientation During Deposition Onto Metal Surfaces of Quasi-Two-Dimensional Langmuir Monolayers Composed of Bifunctional Amphiphilic, Twisted Perylenes. <i>Langmuir</i> , 2021, 37, 11018-11026. | 3.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Triplet-Triplet Annihilation Upconversion by Polymeric Sensitizers. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4057-4066. | 3.1 | 8 |
| 236 | Monitoring intra-cellular lipid metabolism in macrophages by Raman- and CARS-microscopy. , 2010, , . | | 7 |
| 237 | The impact of bromine substitution on the photophysical properties of a homodinuclear Ru(tpphz)Ru complex. <i>Chemical Physics Letters</i> , 2011, 516, 45-50. | 2.6 | 7 |
| 238 | Mechanism of protonation induced changes in Raman spectra of a trisheteroleptic ruthenium complex revealed by DFT calculations. <i>RSC Advances</i> , 2013, 3, 5597. | 3.6 | 7 |
| 239 | Multimodal nonlinear imaging of atherosclerotic plaques differentiation of triglyceride and cholesterol deposits. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 07, 1450027. | 1.0 | 7 |
| 240 | Synthesis and Characterization of Poly(phenylacetylene)s with Ru(II) Bis-Terpyridine Complexes in the Side-Chain. <i>Macromolecular Rapid Communications</i> , 2014, 35, 747-751. | 3.9 | 7 |
| 241 | Hydrogel-Embedded Model Photocatalytic System Investigated by Raman and IR Spectroscopy Assisted by Density Functional Theory Calculations and Two-Dimensional Correlation Analysis. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2677-2687. | 2.5 | 7 |
| 242 | Enhancing the supramolecular stability of monolayers by combining dipolar with amphiphilic motifs: a case of amphiphilic push-pull-thiazole. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13241-13247. | 2.8 | 7 |
| 243 | Photocathodes beyond NiO: charge transfer dynamics in a π -conjugated polymer functionalized with Ru photosensitizers. <i>Scientific Reports</i> , 2021, 11, 2787. | 3.3 | 7 |
| 244 | Probing the structure and Franck-Condon region of protochlorophyllide a through analysis of the Raman and resonance Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 414-423. | 2.5 | 6 |
| 245 | Ruthenium(II)-bis(4-(4-ethynylphenyl)-2,2,6,6-tetrapyridine) A versatile synthon in supramolecular chemistry. Synthesis and characterization. <i>Open Chemistry</i> , 2011, 9, 990-999. | 1.9 | 6 |
| 246 | Chelating Fluorene Dyes as Mono- and Ditopic 2-(1H-1,2,3-Triazol-4-yl)pyridine Ligands and Their Corresponding Ruthenium(II) Complexes. <i>Synthesis</i> , 2012, 44, 2287-2294. | 2.3 | 6 |
| 247 | First resonance energy transfer in poly(methyl methacrylates) copolymers bearing donor-acceptor 1,3-thiazole dyes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4765-4773. | 2.3 | 6 |
| 248 | Modified bibenzimidazole ligands as spectator ligands in photoactive molecular functional Ru-polypyridine units? Implications from spectroscopy. <i>Dalton Transactions</i> , 2014, 43, 17659-17665. | 3.3 | 6 |
| 249 | Thermally triggered optical tuning of π -conjugated graft copolymers based on reversible Diels-Alder reaction. <i>RSC Advances</i> , 2016, 6, 98221-98227. | 3.6 | 6 |
| 250 | Resonance Raman Study of New Pyrrole-Anchoring Dyes for NiO-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2017, 18, 406-414. | 2.1 | 6 |
| 251 | Thermally Switchable Fluorescence Resonance Energy Transfer via Reversible Diels-Alder Reaction of π -Conjugated Oligo(Phenylene Ethynylene)s. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700789. | 3.9 | 6 |
| 252 | Fate of Photoexcited Molecular Antennae - Intermolecular Energy Transfer versus Photodegradation Assessed by Quantum Dynamics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3273-3285. | 3.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 253 | Remote control of electronic coupling – modification of excited-state electron-transfer rates in Ru(tpy) ₂ -based donor–acceptor systems by remote ligand design. <i>Chemical Communications</i> , 2019, 55, 2273-2276. | 4.1 | 6 |
| 254 | Monitoring excited-state relaxation in a molecular marker in live cells – a case study on astaxanthin. <i>Chemical Communications</i> , 2021, 57, 6392-6395. | 4.1 | 6 |
| 255 | <i>In situ</i> photothermal deflection spectroscopy revealing intermolecular interactions upon self-assembly of dye monolayers. <i>Analyst</i> , 2021, 146, 5033-5036. | 3.5 | 6 |
| 256 | A Molecular Photosensitizer in a Porous Block Copolymer Matrix – Implications for the Design of Photocatalytically Active Membranes. <i>Chemistry - A European Journal</i> , 2021, 27, 17049-17058. | 3.3 | 6 |
| 257 | Multifunctional Polyoxometalate Platforms for Supramolecular Light-Driven Hydrogen Evolution**. <i>Chemistry - A European Journal</i> , 2021, 27, 16846-16852. | 3.3 | 6 |
| 258 | Interaction with a Biomolecule Facilitates the Formation of the Function-Determining Long-Lived Triplet State in a Ruthenium Complex for Photodynamic Therapy. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1336-1344. | 2.5 | 6 |
| 259 | Activating a [FeFe] Hydrogenase Mimic for Hydrogen Evolution under Visible Light**. <i>Angewandte Chemie - International Edition</i> , 2022, , . | 13.8 | 6 |
| 260 | Unravelling the Mystery: Enlightenment of the Uncommon Electrochemistry of Naphthalene Monoimide [FeFe] Hydrogenase Mimics. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, . | 2.0 | 6 |
| 261 | Influence of the Linker Chemistry on the Photoinduced Charge-Transfer Dynamics of Heterodinuclear Photocatalysts. <i>Chemistry - A European Journal</i> , 2022, 28, . | 3.3 | 6 |
| 262 | Structure-Property Relationships in an Iridium(III) Bis(Terpyridine) Complex with Extended Conjugated Side chains. <i>Journal of Physical Chemistry A</i> , 2014, 118, 12137-12148. | 2.5 | 5 |
| 263 | Ultrafast transient absorption microscopy: Study of excited state dynamics in PtOEP crystals. <i>Chemical Physics</i> , 2016, 464, 69-77. | 1.9 | 5 |
| 264 | Directed Orientation of Oligo(phenylene ethynylene)s Using Ureas or Urethanes in Rod-Coil Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700343. | 2.2 | 5 |
| 265 | Organic linkage controls the photophysical properties of covalent photosensitizer-polyoxometalate hydrogen evolution dyads. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4688-4693. | 4.9 | 5 |
| 266 | Modulating the Excited-State Decay Pathways of Cu(I) 4-H-Imidazolates Complexes by Excitation Wavelength and Ligand Backbone. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11498-11511. | 2.6 | 5 |
| 267 | A Combined Spectroscopic and Theoretical Study on a Ruthenium Complex Featuring an Extended dppz Ligand for Light-Driven Accumulation of Multiple Reducing Equivalents. <i>Chemistry - A European Journal</i> , 2022, 28, e202103882. | 3.3 | 5 |
| 268 | Characterization of atherosclerotic plaque-depositions by infrared, Raman and CARS microscopy. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 4 |
| 269 | Functional materials: making the world go round. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8988-8991. | 2.8 | 4 |
| 270 | Silicon-rhodamine isothiocyanate for fluorescent labelling. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 574-578. | 2.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | Kinetic-Model-Free Analysis of Transient Absorption Spectra Enabled by 2D Correlation Analysis. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4148-4153. | 4.6 | 4 |
| 272 | A Study in Red: The Overlooked Role of Azo-Moieties in Polymeric Carbon Nitride Photocatalysts with Strongly Extended Optical Absorption. <i>Chemistry - A European Journal</i> , 2021, 27, 17188-17202. | 3.3 | 4 |
| 273 | The electron that breaks the catalyst's back " excited state dynamics in intermediates of molecular photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 27397-27403. | 2.8 | 4 |
| 274 | Not that innocent " ammonium ions boost homogeneous light-driven hydrogen evolution. <i>Chemical Communications</i> , 2022, 58, 4603-4606. | 4.1 | 4 |
| 275 | Experimental Observation of Different-Order Components of a Vibrational Wave Packet in a Bulk Dielectric Using High-Order Raman Scattering. <i>Physical Review Letters</i> , 2007, 98, 187402. | 7.8 | 3 |
| 276 | Development of a fiber-based Raman probe for clinical diagnostics. , 2011, , . | | 3 |
| 277 | Wavelength-dependent photoproduct formation of phycocyanobilin in solution " Indications for competing reaction pathways. <i>Chemical Physics Letters</i> , 2011, 515, 163-169. | 2.6 | 3 |
| 278 | Spectrally shaped light from supercontinuum fiber light sources. <i>Optics Communications</i> , 2011, 284, 1970-1974. | 2.1 | 3 |
| 279 | Superexchange in the fast lane " intramolecular electron transfer in a molecular triad occurs by conformationally gated superexchange. <i>Chemical Communications</i> , 2019, 55, 5251-5254. | 4.1 | 3 |
| 280 | Structure of Ni(OH) ₂ intermediates determines the efficiency of NiO-based photocathodes " a case study using novel mesoporous NiO nanostars. <i>RSC Advances</i> , 2019, 9, 39422-39433. | 3.6 | 3 |
| 281 | Photoactive ultrathin molecular nanosheets with reversible lanthanide binding terpyridine centers. <i>Nanoscale</i> , 2021, 13, 20583-20591. | 5.6 | 3 |
| 282 | Silicon Nanowires Decorated with Silver Nanoparticles for Photoassisted Hydrogen Generation. <i>ACS Applied Energy Materials</i> , 2022, 5, 7466-7472. | 5.1 | 3 |
| 283 | Link to glow - iEDDA conjugation of a Ruthenium(II) tetrazine complex leading to dihydropyrazine and pyrazine complexes with improved O ₂ formation ability. <i>Journal of Photochemistry and Photobiology</i> , 2022, 11, 100130. | 2.5 | 3 |
| 284 | Non-invasive label-free investigation and typing of head and neck cancers by multimodal nonlinear microscopy. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 2 |
| 285 | Wound plug chemistry and morphology of two species of <i>Caulerpa</i> " a comparative Raman microscopy study. <i>Botanica Marina</i> , 2014, 57, 1-7. | 1.2 | 2 |
| 286 | Excitation Power Modulates Energy Transfer Dynamics in a Supramolecular Ru ^{II} -Fe ^{II} -Ru ^{II} Triad. <i>ChemPhysChem</i> , 2017, 18, 2899-2907. | 2.1 | 2 |
| 287 | Unusually Short-Lived Solvent-Dependent Excited State in a Half-Sandwich Ru(II) Complex Induced by Low-Lying ³ MC States. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1550-1559. | 2.5 | 2 |
| 288 | Photophysics of a Bis-Furan-Functionalized 4,7-bis-(Phenylethynyl)-2,1,3-benzothiadiazole: A Building Block for Dynamic Polymers. <i>ChemPhotoChem</i> , 2019, 3, 54-60. | 3.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 289 | Photo-induced processes in new materials for electro-optical applications. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 290 | Nonlinear microscopy and infrared and Raman microspectroscopy for brain tumor analysis. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 291 | Nonlinear optical imaging: toward chemical imaging during neurosurgery. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 292 | Femtosecond Coherence Spectroscopic Study of the Onset of Chemical Denaturation of Myoglobin upon Addition of Minor Amounts of Urea. Zeitschrift Fur Physikalische Chemie, 2011, 225, 741-752. | 2.8 | 1 |
| 293 | Raman spectroscopy - An essential tool for biophotonics. , 2011, , . | | 1 |
| 294 | Spectroscopic detection of chemotherapeutics and antioxidants. Proceedings of SPIE, 2012, , . | 0.8 | 1 |
| 295 | Fiber based optical parametric oscillator for high fidelity coherent anti-stokes Raman (CARS) microscopy. , 2013, , . | | 1 |
| 296 | Ultrafast anisotropic exciton dynamics in a water-soluble ionic carbon nitride photocatalyst. Chemical Communications, 2021, 57, 10739-10742. | 4.1 | 1 |
| 297 | Localizing the initial excitation â€“ A case study on NiO photocathodes using Ruthenium dipyridophenazine complexes as sensitizers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119507. | 3.9 | 1 |
| 298 | Red-light sensitized hole-conducting polymer for energy conversion. Physical Chemistry Chemical Physics, 2021, 23, 18026-18034. | 2.8 | 1 |
| 299 | Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru(II) Polypyridine Monolayers. Angewandte Chemie - International Edition, 2022, , . | 13.8 | 1 |
| 300 | Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru(II) Polypyridine Monolayers. Angewandte Chemie, 0, , . | 2.0 | 1 |
| 301 | Existing and future challenges of multi-dimensional microscopy and imaging for life sciences and biomedicine. , 2009, , . | | 0 |
| 302 | Raman meets medicine: Raman spectroscopy: a powerful tool in biophotonics. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 303 | Raman Spectroscopic Characterization of Single Cells. , 2010, , . | | 0 |
| 304 | Photophysics Of Protochlorophyllide. , 2010, , . | | 0 |
| 305 | Comparative Study On The Composition Of Brain Tissue By Nonlinear Microscopy. , 2010, , . | | 0 |
| 306 | Localization Of The [sup 1]MLCT State Of Novel Ruthenium Polypyridine Complexes Via Resonance Raman Spectroscopy. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 307 | Monitoring Collagen Structures In Basal Cell Carcinoma Using Multimodal Imaging. , 2010, , . | | 0 |
| 308 | Mikrospektroskopie an lebenden Pilzen und Pflanzen. Nachrichten Aus Der Chemie, 2011, 59, 642-645. | 0.0 | 0 |
| 309 | Macromol. Chem. Phys. 8/2011. Macromolecular Chemistry and Physics, 2011, 212, . | 2.2 | 0 |
| 310 | Optimal control of coherent anti-Stokes Raman scattering image contrast. Applied Physics Letters, 2012, 100, 261106. | 3.3 | 0 |
| 311 | 3D CARS image reconstruction and pattern recognition on SHG images. , 2012, , . | | 0 |
| 312 | Monitoring the morphochemistry of laryngeal carcinoma by multimodal imaging. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 313 | Interpreting CARS images of tissue within the C-H-stretching region. , 2014, , . | | 0 |
| 314 | Photometric Detection of Nitric Oxide Using a Dissolved Iron(III) Corrole as a Sensitizer. ChemPlusChem, 2016, 81, 585-585. | 2.8 | 0 |
| 315 | Nonlinear Microspectroscopy for Biomedical Applications. , 2011, , . | | 0 |
| 316 | A Highly Fluorescent Dinuclear Aluminium Complex with Near-Unity Quantum Yield. Angewandte Chemie, 0, , . | 2.0 | 0 |
| 317 | Aktivierung eines biomimetischen [FeFe]-Hydrogenase-Komplexes für die H ₂ -Produktion mit sichtbarem Licht**. Angewandte Chemie, 0, , . | 2.0 | 0 |
| 318 | Frontispiz: Aktivierung eines biomimetischen [FeFe]-Hydrogenase-Komplexes für die H ₂ -Produktion mit sichtbarem Licht. Angewandte Chemie, 2022, 134, . | 2.0 | 0 |
| 319 | Frontispiece: Activating a [FeFe] Hydrogenase Mimic for Hydrogen Evolution under Visible Light. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 0 |
| 320 | Photochemistry in Germany. ChemPhotoChem, 0, , . | 3.0 | 0 |