

Benjamin Dietzek

List of Publications by Year in descending order

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320
papers

9,522
citations

41258

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all docs

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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.	11.1	319
2	Raman and CARS microspectroscopy of cells and tissues. <i>Analyst, The</i> , 2009, 134, 1046.	1.7	275
3	Mitochondria Targeted Protein-Ruthenium Photosensitizer for Efficient Photodynamic Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 2512-2519.	6.6	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.	9.5	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.	7.2	162
6	From molecular structure to tissue architecture: collagen organization probed by SHG microscopy. <i>Journal of Biophotonics</i> , 2013, 6, 129-142.	1.1	150
7	Nonlinear microscopy, infrared, and Raman microspectroscopy for brain tumor analysis. <i>Journal of Biomedical Optics</i> , 2011, 16, 021113.	1.4	138
8	Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. <i>Journal of Biomedical Optics</i> , 2012, 17, 040801.	1.4	137
9	A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10727-10738.	1.3	135
10	Photophysics of an Intramolecular Hydrogen-Evolving Ru-Pd Photocatalyst. <i>Chemistry - A European Journal</i> , 2009, 15, 7678-7688.	1.7	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.	1.7	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.	3.2	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.	7.2	112
14	A comparative Raman and CARS imaging study of colon tissue. <i>Journal of Biophotonics</i> , 2009, 2, 303-312.	1.1	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.	7.2	107
16	Multicore fiber with integrated fiber Bragg gratings for background-free Raman sensing. <i>Optics Express</i> , 2012, 20, 20156.	1.7	104
17	All-fiber laser source for CARS microscopy based on fiber optical parametric frequency conversion. <i>Optics Express</i> , 2012, 20, 4484.	1.7	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.	3.8	97

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19	Optimization of Hydrogen-Evolving Photochemical Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6627-6631.	7.2	96
20	Analysis and characterization of coordination compounds by resonance Raman spectroscopy. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1479-1508.	9.5	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.	1.0	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.	1.1	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.	1.9	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.	2.0	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.	7.2	79
26	Alignment-free, all-spliced fiber laser source for CARS microscopy based on four-wave-mixing. <i>Optics Express</i> , 2012, 20, 21010.	1.7	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.	0.6	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.	4.4	71
29	Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in π -Conjugated Terpyridines. <i>ChemPhysChem</i> , 2009, 10, 910-919.	1.0	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.	6.6	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.	1.9	65
32	Mechanisms of Molecular Response in the Optimal Control of Photoisomerization. <i>Physical Review Letters</i> , 2006, 97, 258301.	2.9	64
33	Transient absorption microscopy: advances in chemical imaging of photoinduced dynamics. <i>Laser and Photonics Reviews</i> , 2016, 10, 62-81.	4.4	64
34	Widely tuneable fiber optical parametric amplifier for coherent anti-Stokes Raman scattering microscopy. <i>Optics Express</i> , 2012, 20, 26583.	1.7	63
35	Substitution-controlled ultrafast excited-state processes in Ru-dppz-derivatives. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1357-1368.	1.3	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.	3.2	61

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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.	1.7	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.	1.3	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.	1.7	57
40	Monitoring the chemistry of self-healing by vibrational spectroscopy — current state and perspectives. <i>Materials Today</i> , 2014, 17, 57-69.	8.3	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.	3.2	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.	1.3	54
43	Self-healing mechanism of metallopolymers investigated by QM/MM simulations and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12422.	1.3	53
44	Multimodal imaging to study the morphochemistry of basal cell carcinoma. <i>Journal of Biophotonics</i> , 2010, 3, 728-736.	1.1	52
45	Analysis of the cytochrome distribution via linear and nonlinear Raman spectroscopy. <i>Analyst</i> , The, 2010, 135, 908.	1.7	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.	1.7	52
47	Protochlorophyllide a: A Comprehensive Photophysical Picture. <i>ChemPhysChem</i> , 2009, 10, 144-150.	1.0	51
48	Detection and Discrimination of Non-Melanoma Skin Cancer by Multimodal Imaging. <i>Healthcare (Switzerland)</i> , 2013, 1, 64-83.	1.0	51
49	Dual Emission from Highly Conjugated 2,2':6''-Terpyridine Complexes—A Potential Route to White Emitters. <i>Macromolecular Rapid Communications</i> , 2010, 31, 883-888.	2.0	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.	1.3	50
51	Synthesis, Characterization, and Electro-Optical Properties of Zn(II) Complexes with π -Conjugated Terpyridine Ligands. <i>ChemPhysChem</i> , 2009, 10, 787-798.	1.0	49
52	Different contrast information obtained from CARS and nonresonant FWM images. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 941-947.	1.2	49
53	Covalent Photosensitizer—Polyoxometalate—Catalyst Dyads for Visible-Light-Driven Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2016, 22, 12002-12005.	1.7	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.	2.2	48

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55	Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. <i>Chemical Communications</i> , 2014, 50, 5227.	2.2	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.	3.7	48
57	Synthesis and characterization of regioselective substituted tetrapyrrophenazine ligands and their Ru(II) complexes. <i>Dalton Transactions</i> , 2010, 39, 2359.	1.6	45
58	Self-Healing Polymer Networks Based on Reversible Michael Addition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2541-2550.	1.1	45
59	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. <i>Analyst</i> , 2013, 138, 4048.	1.7	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.	0.9	44
61	Quantitative detection of C-deuterated drugs by CARS microscopy and Raman microspectroscopy. <i>Analyst</i> , 2011, 136, 3686.	1.7	43
62	Fiber-based optical parametric oscillator for high resolution coherent anti-Stokes Raman scattering (CARS) microscopy. <i>Optics Express</i> , 2014, 22, 21921.	1.7	43
63	[FeFe]-Hydrogenase H-cluster mimics mediated by naphthalene monoimide derivatives of peri-substituted dichalcogenides. <i>Dalton Transactions</i> , 2017, 46, 11180-11191.	1.6	43
64	Interpreting CARS images of tissue within the C-H stretching region. <i>Journal of Biophotonics</i> , 2012, 5, 729-733.	1.1	41
65	Watching Ultrafast Barrierless Excited-State Isomerization of Pseudocyanine in Real Time. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4520-4526.	1.2	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.	6.6	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.	1.5	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.	1.6	39
69	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. <i>Biofouling</i> , 2012, 28, 687-696.	0.8	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.	1.5	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.	3.2	38
72	Structural Control of Photoinduced Dynamics in 4-Hydroxyimidazole-Ruthenium Dyes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25664-25676.	1.5	38

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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.	1.7	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.	1.3	38
75	Quantitative CARS Microscopic Detection of Analytes and Their Isotopomers in a Twoâ€Channel Microfluidic Chip. <i>Small</i> , 2009, 5, 2816-2818.	5.2	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.	1.1	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.	1.1	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.	1.5	36
79	Resonance Raman studies of photochemical molecular devices for multielectron storage. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 557-559.	1.2	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.	1.6	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.	9.5	35
82	Photophysical Dynamics of a Ruthenium Polypyridine Dye Controlled by Solvent pH. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1274-1281.	1.5	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.	1.0	34
84	Plant Protochlorophyllide Oxidoreductases A and B. <i>Journal of Biological Chemistry</i> , 2015, 290, 28530-28539.	1.6	34
85	Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substitued Imidazo[4,5- <i>f</i>][1,10]phenanthroline Ligands. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3986-3994.	1.1	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.	1.7	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.	1.1	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.	7.2	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.	6.6	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.	1.5	33

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91	Dye-sensitized PS- <i>b</i> -P2VP-templated nickel oxide films for photoelectrochemical applications. <i>Interface Focus</i> , 2015, 5, 20140083.	1.5	32
92	ZnO nanoflowers-based photoanodes: aqueous chemical synthesis, microstructure and optical properties. <i>Open Chemistry</i> , 2016, 14, 158-169.	1.0	32
93	New approaches in component design for dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 367-383.	2.5	32
94	Active repair of a dinuclear photocatalyst for visible-light-driven hydrogen production. <i>Nature Chemistry</i> , 2022, 14, 500-506.	6.6	32
95	Coherent anti-Stokes Raman scattering and two photon excited fluorescence for neurosurgery. <i>Clinical Neurology and Neurosurgery</i> , 2015, 131, 42-46.	0.6	31
96	Controlling Electronic Transitions in Fullerene van der Waals Aggregates via Supramolecular Assembly. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21512-21521.	4.0	31
97	Blue-Emitting Polymers Based on 4-Hydroxythiazoles Incorporated in a Methacrylate Backbone. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 840-848.	1.1	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.	1.5	30
99	Ultrafast Circular Dichroism Study of the Ring Opening of 7-Dehydrocholesterol. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 182-185.	2.1	30
100	Recent advances in ultrafast time-resolved chirality measurements: perspective and outlook. <i>Laser and Photonics Reviews</i> , 2013, 7, 495-505.	4.4	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.	2.0	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.	1.1	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.	1.1	29
104	Electron transfer in a covalent dye-cobalt catalyst assembly – a transient absorption spectroelectrochemistry perspective. <i>Chemical Communications</i> , 2018, 54, 10594-10597.	2.2	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.	1.9	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.	1.5	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.	2.7	28
108	The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. <i>ChemPhysChem</i> , 2006, 7, 1727-1733.	1.0	27

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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.	1.9	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.	1.5	27
111	Towards automated segmentation of cells and cell nuclei in nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 878-888.	1.1	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.	0.9	27
113	Synthesis and characterization of ruthenium and rhenium dyes with phosphonate anchoring groups. <i>Dalton Transactions</i> , 2016, 45, 9216-9228.	1.6	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.	1.3	26
115	Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. <i>Macromolecules</i> , 2017, 50, 3789-3795.	2.2	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.	1.2	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.	1.0	25
119	New Ruthenium Bis(terpyridine) Methanofullerene and Pyrrolidinofullerene Complexes: Synthesis and Electrochemical and Photophysical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 3159-3171.	1.9	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.	0.9	25
121	Photophysics of BODIPY Dyes as Readily-Designable Photosensitisers in Light-Driven Proton Reduction. <i>Inorganics</i> , 2017, 5, 21.	1.2	25
122	Self-Assembled Graphene/MWCNT Bilayers as Platinum-Free Counter Electrode in Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2019, 20, 3336-3345.	1.0	25
123	Photodoping and Fast Charge Extraction in Ionic Carbon Nitride Photoanodes. <i>Advanced Functional Materials</i> , 2021, 31, 2105369.	7.8	25
124	Ultrafast Intramolecular Relaxation and Wavepacket Motion in a Ruthenium-Based Supramolecular Photocatalyst. <i>Chemistry - A European Journal</i> , 2015, 21, 7668-7674.	1.7	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.	1.2	23
126	Visualizing overdamped wavepacket motion: Excited-state isomerization of pseudocyanine in viscous solvents. <i>Chemical Physics</i> , 2009, 357, 54-62.	0.9	23

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127	Toward in Vivo Chemical Imaging of Epicuticular Waxes. <i>Plant Physiology</i> , 2010, 154, 604-610.	2.3	23
128	Tuning of photocatalytic activity by creating a tridentate coordination sphere for palladium. <i>Dalton Transactions</i> , 2014, 43, 11676.	1.6	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.	1.3	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.	1.7	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.	1.3	22
132	Catalytic Efficiency of a Photoenzyme—An Adaptation to Natural Light Conditions. <i>ChemPhysChem</i> , 2012, 13, 2013-2015.	1.0	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.	1.9	22
134	Synthesis and characterization of an immobilizable photochemical molecular device for H ₂ -generation. <i>Dalton Transactions</i> , 2015, 44, 5577-5586.	1.6	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.	0.8	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.	4.0	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.	2.2	21
138	Photodriven Charge Accumulation and Carrier Dynamics in a Water-Soluble Carbon Nitride Photocatalyst. <i>ChemSusChem</i> , 2021, 14, 1728-1736.	3.6	21
139	Outpacing conventional nicotinamide hydrogenation catalysis by a strongly communicating heterodinuclear photocatalyst. <i>Nature Communications</i> , 2022, 13, 2538.	5.8	21
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