Oliver S Wenger

List of Publications by Year
in descending order

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213 papers	9,543 citations	31976 53 h-index	51608 86 g-index
233 all docs	233 docs citations	233 times ranked	7524 citing authors

#	Article	IF	Citations
1	Vapochromism in Organometallic and Coordination Complexes: Chemical Sensors for Volatile Organic Compounds. Chemical Reviews, 2013, 113, 3686-3733.	47.7	603
2	Photoactive Complexes with Earth-Abundant Metals. Journal of the American Chemical Society, 2018, 140, 13522-13533.	13.7	369
3	Organic Mixed Valence. Chemical Reviews, 2011, 111, 5138-5178.	47.7	332
4	Photoredox Catalysis with Metal Complexes Made from Earthâ€Abundant Elements. Chemistry - A European Journal, 2018, 24, 2039-2058.	3.3	271
5	Multiâ€Photon Excitation in Photoredox Catalysis: Concepts, Applications, Methods. Angewandte Chemie - International Edition, 2020, 59, 10266-10284.	13.8	246
6	Is Iron the New Ruthenium?. Chemistry - A European Journal, 2019, 25, 6043-6052.	3.3	201
7	How Donorâ^'Bridgeâ^'Acceptor Energetics Influence Electron Tunneling Dynamics and Their Distance Dependences. Accounts of Chemical Research, 2011, 44, 25-35.	15.6	182
8	Recent progress in the development of transition-metal based photoredox catalysts. Coordination Chemistry Reviews, 2020, 405, 213129.	18.8	154
9	Electron Tunneling Through Organic Molecules in Frozen Glasses. Science, 2005, 307, 99-102.	12.6	149
10	Proton-Coupled Electron Transfer with Photoexcited Metal Complexes. Accounts of Chemical Research, 2013, 46, 1517-1526.	15.6	147
11	A Tris(diisocyanide)chromium(0) Complex Is a Luminescent Analog of Fe(2,2â€²-Bipyridine)₃²⁺. Journal of the American Chemical Society, 2017, 139, 985-992.	13.7	141
12	Luminescent First-Row Transition Metal Complexes. Jacs Au, 2021, 1, 1860-1876.	7.9	135
13	Photoswitchable Luminescence of Rhenium(I) Tricarbonyl Diimines. Inorganic Chemistry, 2004, 43, 2043-2048.	4.0	132
14	Luminescent cyclometalated gold(iii) complexes. Dalton Transactions, 2011, 40, 12409.	3.3	131
15	Unexpected Hydrated Electron Source for Preparative Visible-Light Driven Photoredox Catalysis. Journal of the American Chemical Society, 2019, 141, 2122-2127.	13.7	120
16	Enantioselective synthesis of amines by combining photoredox and enzymatic catalysis in a cyclic reaction network. Chemical Science, 2018, 9, 5052-5056.	7.4	113
17	A Molybdenum(0) Isocyanide Analogue of Ru(2,2â€²â€Bipyridine)₃²⁺: A Strong Reductant for Photoredox Catalysis. Angewandte Chemie - International Edition, 2016, 55, 11247-11250.	13.8	111
18	Sterically non-hindering endocyclic ligands of the bi-isoquinoline family. Chemical Communications, 2006, , 171-173.	4.1	107

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19	Long-range electron transfer in artificial systems with d6 and d8 metal photosensitizers. Coordination Chemistry Reviews, 2009, 253, 1439-1457.	18.8	104
20	Photoinduced electron and energy transfer in phenylene oligomers. Chemical Society Reviews, 2011, 40, 3538.	38.1	103
21	Cyclometalated Iridium(III) Complexes as Photosensitizers for Longâ€Range Electron Transfer: Occurrence of a Coulomb Barrier. European Journal of Inorganic Chemistry, 2009, 2009, 4850-4859.	2.0	102
22	Chromium complexes for luminescence, solar cells, photoredox catalysis, upconversion, and phototriggered NO release. Chemical Science, 2017, 8, 7359-7367.	7.4	95
23	Manganese(i) complexes with metal-to-ligand charge transfer luminescence and photoreactivity. Nature Chemistry, 2021, 13, 956-962.	13.6	91
24	Sensitized tripletâ€“triplet annihilation upconversion in water and its application to photochemical transformations. Chemical Science, 2018, 9, 6670-6678.	7.4	90
25	Chromium(0), Molybdenum(0), and Tungsten(0) Isocyanide Complexes as Luminophores and Photosensitizers with Longâ€Lived Excited States. Angewandte Chemie - International Edition, 2017, 56, 5676-5682.	13.8	86
26	Reductive Amination by Photoredox Catalysis and Polarityâ€Matched Hydrogen Atom Transfer. Angewandte Chemie - International Edition, 2018, 57, 2469-2473.	13.8	86
27	Photoswitchable mixed valence. Chemical Society Reviews, 2012, 41, 3772.	38.1	82
28	UV Light Generation and Challenging Photoreactions Enabled by Upconversion in Water. Journal of the American Chemical Society, 2020, 142, 10468-10476.	13.7	79
29	Proton-coupled multi-electron transfer and its relevance for artificial photosynthesis and photoredox catalysis. Chemical Communications, 2019, 55, 4004-4014.	4.1	77
30	Electron Transfer Rate Maxima at Large Donorâ€“Acceptor Distances. Journal of the American Chemical Society, 2016, 138, 1349-1358.	13.7	75
31	Long-Lived, Strongly Emissive, and Highly Reducing Excited States in Mo(0) Complexes with Chelating Isocyanides. Journal of the American Chemical Society, 2019, 141, 14394-14402.	13.7	75
32	Protonâ€Coupled Electron Transfer Originating from Excited States of Luminescent Transitionâ€Metal Complexes. Chemistry - A European Journal, 2011, 17, 11692-11702.	3.3	73
33	Proton-coupled electron transfer with photoexcited ruthenium(II), rhenium(I), and iridium(III) complexes. Coordination Chemistry Reviews, 2015, 282-283, 150-158.	18.8	70
34	Proton-coupled electron transfer from a luminescent excited state. Chemical Communications, 2008, , 4267.	4.1	69
35	Importance of covalence, conformational effects and tunneling-barrier heights for long-range electron transfer: Insights from dyads with oligo-p-phenylene, oligo-p-xylene and oligo-p-dimethoxybenzene bridges. Coordination Chemistry Reviews, 2010, 254, 2584-2592.	18.8	69
36	Reactivity control of a photocatalytic system by changing the light intensity. Chemical Science, 2019, 10, 11023-11029.	7.4	69

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37	A Photorobust Mo(0) Complex Mimicking [Os(2,2â€²-bipyridine)₃]²⁺ and Its Application in Red-to-Blue Upconversion. Journal of the American Chemical Society, 2021, 143, 1651-1663.	13.7	69
38	Tunneling Barrier Effects on Photoinduced Charge Transfer through Covalent Rigid Rod-Like Bridges. Inorganic Chemistry, 2009, 48, 671-680.	4.0	67
39	Photoactive Nickel Complexes in Crossâ€Coupling Catalysis. Chemistry - A European Journal, 2021, 27, 2270-2278.	3.3	67
40	Influence of Donorâ€“Acceptor Distance Variation on Photoinduced Electron and Proton Transfer in Rhenium(I)â€“Phenol Dyads. Journal of the American Chemical Society, 2012, 134, 12844-12854.	13.7	64
41	Microsecond charge recombination in a linear triarylamineâ€“Ru(bpy)32+â€“anthraquinone triad. Chemical Communications, 2011, 47, 10145.	4.1	63
42	Photoinduced Electron Transfer in Linear Triarylamineâ€“Photosensitizerâ€“Anthraquinone Triads with Ruthenium(II), Osmium(II), and Iridium(III). Inorganic Chemistry, 2012, 51, 6333-6344.	4.0	63
43	Lightâ€Driven Electron Accumulation in a Molecular Pentad. Angewandte Chemie - International Edition, 2016, 55, 9407-9410.	13.8	63
44	Conformational Effects on Longâ€Range Electron Transfer: Comparison of Oligoâ€pâ€phenylene and Oligoâ€pâ€xylene Bridges. European Journal of Inorganic Chemistry, 2009, 2009, 3778-3790.	2.0	60
45	Gold Complexes with Tridentate Cyclometalating and NHC Ligands: A Search for New Photoluminescent Gold(III) Compounds. Organometallics, 2013, 32, 1807-1814.	2.3	60
46	Electron Tunneling through Oligo-p-xylene Bridges. Inorganic Chemistry, 2008, 47, 9081-9084.	4.0	59
47	Intramolecular Light-Driven Accumulation of Reduction Equivalents by Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2017, 139, 5225-5232.	13.7	59
48	Triplet Energy Transfer from Ruthenium Complexes to Chiral Eniminium Ions: Enantioselective Synthesis of Cyclobutanecarbaldehydes by [2+2] Photocycloaddition. Angewandte Chemie - International Edition, 2020, 59, 9659-9668.	13.8	59
49	Kinetic Isotope Effects in Reductive Excited-State Quenching of Ru(2,2â€²-bipyrazine)₃²⁺ by Phenols. Journal of Physical Chemistry Letters, 2012, 3, 70-74.	4.6	58
50	New photon upconversion processes in Yb3+ doped CsMnCl3 and RbMnCl3. Chemical Physics Letters, 2000, 320, 639-644.	2.6	57
51	A New Dimension in Cyclic Coinage Metal Pyrazolates: Decoration with a Second Ring of Coinage Metals Supported by Inter-ring Metallophilic Interactions. Journal of the American Chemical Society, 2012, 134, 2938-2941.	13.7	56
52	Green and Red Light Emission by Upconversion from the near-IR in Yb3+ Doped CsMnBr3. Inorganic Chemistry, 2001, 40, 4534-4542.	4.0	55
53	Increasing Electronâ€Transfer Rates with Increasing Donorâ€“Acceptor Distance. Angewandte Chemie - International Edition, 2016, 55, 815-819.	13.8	55
54	Photoswitchable Organic Mixed Valence in Dithienylcyclopentene Systems with Tertiary Amine Redox Centers. Journal of the American Chemical Society, 2011, 133, 17027-17036.	13.7	54

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55	Photoinduced Electron Transfer Coupled to Donor Deprotonation and Acceptor Protonation in a Molecular Triad Mimicking Photosystem II. Journal of the American Chemical Society, 2017, 139, 13308-13311.	13.7	54
56	A Nearâ€Infraredâ€Ii Emissive Chromium(III) Complex. Angewandte Chemie - International Edition, 2021, 60, 23722-23728.	13.8	52
57	Optical spectroscopy of CrCl63â^' doped Cs2NaScCl6: Broadband near-infrared luminescence and Jahn-Teller effect. Journal of Chemical Physics, 2001, 114, 5832-5841.	3.0	51
58	The magic effect of endocyclic but non-sterically hindering biisoquinoline chelates: From fast-moving molecular shuttles to [3]rotaxanes. Coordination Chemistry Reviews, 2010, 254, 1748-1759.	18.8	51
59	Modulation of Acridinium Organophotoredox Catalysts Guided by Photophysical Studies. ACS Catalysis, 2020, 10, 210-215.	11.2	51
60	Sensitization-initiated electron transfer via upconversion: mechanism and photocatalytic applications. Chemical Science, 2021, 12, 9922-9933.	7.4	50
61	Hydrogen-Bonding Effects on the Formation and Lifetimes of Charge-Separated States in Molecular Triads. Journal of Physical Chemistry A, 2012, 116, 8159-8168.	2.5	49
62	Near-infrared-to-visible photon upconversion process induced by exchange interactions inYb3+-dopedRbMnCl3. Physical Review B, 2001, 63, .	3.2	48
63	Influence of hydrostatic pressure on the Jahnâ€“Teller effect in the 4T2g excited state of CrCl63â^' doped Cs2NaScCl6. Journal of Chemical Physics, 2001, 115, 3819-3826.	3.0	48
64	Charge Transfer Emission in Oligotriarylamineâ€“Triarylborane Compounds. Journal of Organic Chemistry, 2015, 80, 4097-4107.	3.2	48
65	A Triarylamineâ€“Triarylborane Dyad with a Photochromic Dithienylethene Bridge. Journal of Organic Chemistry, 2012, 77, 6545-6552.	3.2	47
66	Tuning the Rates of Longâ€Range Charge Transfer across Phenylene Wires. ChemPhysChem, 2009, 10, 1203-1206.	2.1	46
67	Photoinduced PCET in Rutheniumâ€“Phenol Systems: Thermodynamic Equivalence of Uni- and Bidirectional Reactions. Inorganic Chemistry, 2015, 54, 3680-3687.	4.0	46
68	Multistage Complexation of Fluoride Ions by a Fluorescent Triphenylamine Bearing Three Dimesitylboryl Groups: Controlling Intramolecular Charge Transfer. Journal of Organic Chemistry, 2011, 76, 9081-9085.	3.2	45
69	Proton-Coupled Electron Transfer between 4-Cyanophenol and Photoexcited Rhenium(I) Complexes with Different Protonatable Sites. Inorganic Chemistry, 2012, 51, 8275-8283.	4.0	44
70	Multiphotonenâ€Anregung in der Photoredoxkatalyse: Konzepte, Anwendungen und Methoden. Angewandte Chemie, 2020, 132, 10350-10370.	2.0	44
71	Pyrene-Decoration of a Chromium(0) Tris(diisocyanide) Enhances Excited State Delocalization: A Strategy to Improve the Photoluminescence of 3d⁶ Metal Complexes. Journal of the American Chemical Society, 2021, 143, 15800-15811.	13.7	44
72	Red Light-Based Dual Photoredox Strategy Resembling the Z-Scheme of Natural Photosynthesis. Jacs Au, 2022, 2, 1488-1503.	7.9	44

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73	Upconversion luminescence in Yb[sup 3+] doped CsMnCl[sub 3]: Spectroscopy, dynamics, and mechanisms. Journal of Chemical Physics, 2002, 116, 5196.	3.0	43
74	Exploiting Potential Inversion for Photoinduced Multielectron Transfer and Accumulation of Redox Equivalents in a Molecular Heptad. Journal of the American Chemical Society, 2018, 140, 5343-5346.	13.7	42
75	High Triplet Energy Iridium(III) Isocyanoborato Complex for Photochemical Upconversion, Photoredox and Energy Transfer Catalysis. Journal of the American Chemical Society, 2022, 144, 963-976.	13.7	42
76	Large Increase of the Lifetime of a Chargeâ€Separated State in a Molecular Triad Induced by Hydrogenâ€Bonding Solvent. Chemistry - A European Journal, 2012, 18, 6443-6447.	3.3	41
77	A bright future for photosensitizers. Nature Chemistry, 2020, 12, 323-324.	13.6	41
78	Hydrogen-Bond Strengthening upon Photoinduced Electron Transfer in Rutheniumâ€“Anthraquinone Dyads Interacting with Hexafluoroisopropanol or Water. Journal of Physical Chemistry A, 2012, 116, 3347-3358.	2.5	40
79	Site-selective yellow to violet and near-infrared to green upconversion inBaLu2F8:Nd3+. Physical Review B, 2000, 61, 16530-16537.	3.2	38
80	Influence of Mesoionic Carbenes on Electro- and Photoactive Ru and Os Complexes: A Combined (Spectro-)Electrochemical, Photochemical, and Computational Study. Inorganic Chemistry, 2018, 57, 13973-13984.	4.0	36
81	Aryl dechlorination and defluorination with an organic super-photoreductant. Photochemical and Photobiological Sciences, 2020, 19, 1035-1041.	2.9	36
82	Cobalt(III) Carbene Complex with an Electronic Excited-State Structure Similar to Cyclometalated Iridium(III) Compounds. Journal of the American Chemical Society, 2022, 144, 9859-9873.	13.7	36
83	Photoinduced electron transfer in covalent rutheniumâ€“anthraquinone dyads: relative importance of driving-force, solvent polarity, and donorâ€“bridge energy gap. Physical Chemistry Chemical Physics, 2012, 14, 2685.	2.8	35
84	Photostable Ruthenium(II) Isocyanoborato Luminophores and Their Use in Energy Transfer and Photoredox Catalysis. Jacs Au, 2021, 1, 819-832.	7.9	35
85	Charge Transfer Pathways in Three Isomers of Naphthalene-Bridged Organic Mixed Valence Compounds. Journal of Organic Chemistry, 2016, 81, 595-602.	3.2	34
86	Electron Accumulation on Naphthalene Diimide Photosensitized by [Ru(2,2â€²-Bipyridine)₃]²⁺. Inorganic Chemistry, 2017, 56, 2432-2439.	4.0	34
87	Mechanistic Diversity in Proton-Coupled Electron Transfer between Thiophenols and Photoexcited [Ru(2,2â€²-Bipyrazine)₃]²⁺. Journal of Physical Chemistry Letters, 2013, 4, 2535-2539.	4.6	33
88	Luminescent Ni⁰ Diisocyanide Chelates as Analogues of Cu^I Diimine Complexes. Chemistry - A European Journal, 2017, 23, 8577-8580.	3.3	33
89	Chemical Tuning of the Photon Upconversion Properties in Ti2+-Doped Chloride Host Lattices. Inorganic Chemistry, 2001, 40, 5747-5753.	4.0	32
90	Proton coupled electron transfer from the excited state of a ruthenium(ii) pyridylimidazole complex. Physical Chemistry Chemical Physics, 2016, 18, 11374-11382.	2.8	32

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91	Luminescent complexes made from chelating isocyanide ligands and earth-abundant metals. Dalton Transactions, 2017, 46, 15175-15177.	3.3	32
92	Distance Dependence of Bidirectional Concerted Protonâ€“Electron Transfer in Phenolâ€Ru(2,2â€²â€bipyridine)‹sub›3‹/sub›‹sup›2+‹/sup› Dyads. Chemistry - A European Journal, 2014, 20, 4098-4104.	3.3	31
93	Photon Upconversion Properties of Ni2+in Magnetic and Nonmagnetic Chloride Host Lattices. Inorganic Chemistry, 2001, 40, 157-164.	4.0	30
94	Rhenium(I) tricarbonyl complexes with photoisomerizable ligands. Polyhedron, 2004, 23, 2955-2958.	2.2	30
95	Photoinduced Processes in Fluoreneâ€Bridged Rheniumâ€“Phenothiazine Dyads â€“ Comparison of Electron Transfer Across Fluorene, Phenylene, and Xylene Bridges. European Journal of Inorganic Chemistry, 2010, 2010, 4843-4850.	2.0	30
96	Charge Delocalization in a Homologous Series of Î±,Î±â€²-Bis(dianisylamino)-Substituted Thiophene Monocations. Journal of Physical Chemistry A, 2012, 116, 7345-7352.	2.5	29
97	Photoacid Behavior versus Proton-Coupled Electron Transfer in Phenolâ€“Ru(bpy)‹sub›3‹/sub›‹sup›2+‹/sup› Dyads. Journal of Physical Chemistry A, 2013, 117, 5726-5733.	2.5	29
98	Broadband green upconversion luminescence of Ni2+ in KZnF3. Journal of Luminescence, 2003, 102-103, 380-385.	3.1	28
99	Energy transfer from rhenium(i) complexes to covalently attached anthracenes and phenanthrenes. Dalton Transactions, 2008, , 6311.	3.3	28
100	Unusual distance dependences of electron transfer rates. Physical Chemistry Chemical Physics, 2016, 18, 18657-18664.	2.8	28
101	Ein MolybdÃn(0)â€Isocyanidâ€Komplex als Ru(2,2â€²â€Bipyridin)‹sub›3‹/sub›‹sup›2+‹/sup›â€Analogon: ein starkes Reduktionsmittel fÃ¼r die Photoredoxkatalyse. Angewandte Chemie, 2016, 128, 11413-11417.	2.0	28
102	Photophysics of Perylene Diimide Dianions and Their Application in Photoredox Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
103	Crystal Field Effects on the Optical Absorption and Luminescence Properties of Ni2+-Doped Chlorides and Bromides:Â Crossover in the Emitting Higher Excited State. Inorganic Chemistry, 2002, 41, 5968-5977.	4.0	27
104	Photophysics and Photoredox Catalysis of a Homoleptic Rhenium(I) Tris(diisocyanide) Complex. Inorganic Chemistry, 2018, 57, 2965-2968.	4.0	27
105	Reduktive Aminierung durch Photoredoxkatalyse Ã¼ber polaritÃtsangepassten Wasserstoffatomtransfer. Angewandte Chemie, 2018, 130, 2494-2498.	2.0	27
106	Ruthenium-Phenothiazine Electron Transfer Dyad with a Photoswitchable Dithienylethene Bridge: Flash-Quench Studies with Methylviologen. Inorganic Chemistry, 2012, 51, 4335-4342.	4.0	26
107	Water-Soluble Tris(cyclometalated) Iridium(III) Complexes for Aqueous Electron and Energy Transfer Photochemistry. Accounts of Chemical Research, 2022, 55, 1290-1300.	15.6	26
108	Fluoride binding to an organoboron wire controls photoinduced electron transfer. Chemical Science, 2015, 6, 3582-3592.	7.4	25

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109	Luminescent chromium(0) and manganese(<scp>i</scp>) complexes. Dalton Transactions, 2022, 51, 1297-1302.	3.3	25
110	Pressure dependence of Pt(2,2â€²-bipyridine)Cl2 luminescence. The red complex converts to a yellow form at 17.5 kbar. Chemical Physics Letters, 2004, 384, 190-192.	2.6	24
111	Long-range proton-coupled electron transfer in phenolâ€“Ru(2,2â€²-bipyrazine)32+ dyads. Physical Chemistry Chemical Physics, 2014, 16, 3617.	2.8	24
112	Isocyanidâ€Komplexe von Cr⁰, Mo⁰ und W⁰ als Leuchtstoffe und Photosensibilisatoren mit langlebigen angeregten ZustÃnden. Angewandte Chemie, 2017, 129, 5770-5776.	2.0	24
113	Recent advances in bioinspired proton-coupled electron transfer. Dalton Transactions, 2019, 48, 5861-5868.	3.3	24
114	Site-selective optical spectroscopy and upconversion mechanisms of the laser materialBaLu2F8:Er3+. Physical Review B, 1999, 60, 5312-5320.	3.2	23
115	Chemical Modification of Transition Metal Upconversion Properties:Â Exchange Enhancement of Ni2+Upconversion Rates in Ni2+:RbMnCl3. Journal of the American Chemical Society, 2000, 122, 7408-7409.	13.7	23
116	Luminescent Ni(0) complexes. Coordination Chemistry Reviews, 2018, 359, 52-56.	18.8	23
117	Upconversion in a divalent rare earth ion: optical absorption and luminescence spectroscopy of Tm2+ doped SrCl2. Journal of Luminescence, 2001, 94-95, 101-105.	3.1	22
118	Reductive Amination and Enantioselective Amine Synthesis by Photoredox Catalysis. European Journal of Organic Chemistry, 2020, 2020, 1288-1293.	2.4	22
119	A New Family of Biisoquinoline Chelates. European Journal of Organic Chemistry, 2007, 2007, 125-135.	2.4	21
120	Accelerated hole transfer across a molecular double barrier. Chemical Communications, 2010, 46, 7034.	4.1	21
121	Pumpâ€Pumpâ€Probe Spectroscopy of a Molecular Triad Monitoring Detrimental Processes for Photoinduced Charge Accumulation. Helvetica Chimica Acta, 2017, 100, e1600283.	1.6	21
122	Electrochemical and Photophysical Properties of Ruthenium(II) Complexes Equipped with Sulfurated Bipyridine Ligands. Inorganic Chemistry, 2020, 59, 4972-4984.	4.0	21
123	Optical spectroscopy of theNi2+-doped layer perovskitesRb2MCl4(M=Cd,Mn):Effects ofNi2+â”Mn2+exchange interactions on theNi2+absorption, luminescence, and upconversion properties. Physical Review B, 2001, 64, .	3.2	20
124	Broadband near-Infrared Sensitization of Visible Upconversion Luminescence in V3+and Mo3+Co-Doped Cs2NaYCl6. Journal of Physical Chemistry B, 2002, 106, 10011-10019.	2.6	20
125	Threeâ€Component Entanglements Consisting of Three Crescentâ€Shaped Bidentate Ligands Coordinated to an Octahedral Metal Centre. Chemistry - A European Journal, 2007, 13, 8749-8753.	3.3	20
126	Barrier heights in long-range electron tunneling. Inorganica Chimica Acta, 2011, 374, 3-9.	2.4	20

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127	Electron Transfer between Hydrogenâ€Bonded Pyridylphenols and a Photoexcited Rhenium(I) Complex. ChemPhysChem, 2013, 14, 1168-1176.	2.1	20
128	Charge Delocalization in an Organic Mixed Valent Bithiophene Is Greater Than in a Structurally Analogous Biselenophene. Journal of Physical Chemistry A, 2014, 118, 11293-11303.	2.5	20
129	Electronic coupling mediated by furan, thiophene, selenophene and tellurophene in a homologous series of organic mixed valence compounds. Chemical Communications, 2014, 50, 10883.	4.1	20
130	Photoinduced charge accumulation by metal ion-coupled electron transfer. Physical Chemistry Chemical Physics, 2015, 17, 24001-24010.	2.8	20
131	Photoinduced Charge Accumulation in Molecular Systems. Chimia, 2015, 69, 17.	0.6	20
132	Charge Accumulation and Multiâ€Electron Photoredox Chemistry with a Sensitizerâ€“Catalystâ€“Sensitizer Triad. Chemistry - A European Journal, 2018, 24, 14084-14087.	3.3	20
133	Supramolecular and Intramolecular Energy Transfer with Rutheniumâ€“Anthracene Donorâ€“Acceptor Couples: Salt Bridge versus Covalent Bond. European Journal of Inorganic Chemistry, 2010, 2010, 5509-5516.	2.0	19
134	Quantitative insights into charge-separated states from one- and two-pulse laser experiments relevant for artificial photosynthesis. Chemical Science, 2019, 10, 5624-5633.	7.4	19
135	Recent Advances and Perspectives in Photodriven Charge Accumulation in Molecular Compounds: A Mini Review. Energy & Fuels, 2021, 35, 18848-18856.	5.1	19
136	Macrocycles Incorporating an Endocyclic But Nonâ€Stericallyâ€Hindering Chelate: Synthesis and Structural Studies. Helvetica Chimica Acta, 2007, 90, 1439-1446.	1.6	18
137	Dependence of Reaction Rates for Bidirectional PCET on the Electron Donorâ€“Electron Acceptor Distance in Phenolâ€“Ru(2,2â€²-Bipyridine)₃²⁺ Dyads. Journal of Physical Chemistry B, 2015, 119, 2263-2273.	2.6	18
138	Lichtgetriebene Elektronenakkumulation in einer molekularen Pentade. Angewandte Chemie, 2016, 128, 9553-9556.	2.0	18
139	Controlling Spinâ€Correlated Radical Pairs with Donorâ€“Acceptor Dyads: A New Concept to Generate Reduced Metal Complexes for More Efficient Photocatalysis. Chemistry - A European Journal, 2021, 27, 4115-4123.	3.3	18
140	Photoinduced Electron Transfer in Rhenium(I)â€“Oligotriarylamine Molecules. Inorganic Chemistry, 2014, 53, 11075-11085.	4.0	17
141	Chiral macrocyclic terpyridine complexes. Chemical Science, 2018, 9, 3837-3843.	7.4	17
142	Photoinduced Electron Transfer in an Anthraquinoneâ€“[Ru(bpy)₃]²⁺â€“Oligotriarylamineâ€“[Ru(bpy)₃]²⁺â€“Anthraqui Pentad. Inorganic Chemistry, 2016, 55, 2894-2899.	4.0	
143	Fundamentally Different Distance Dependences of Electron-Transfer Rates for Low and High Driving Forces. Inorganic Chemistry, 2019, 58, 855-860.	4.0	16
144	Photo-triggered hydrogen atom transfer from an iridium hydride complex to unactivated olefins. Chemical Science, 2020, 11, 8582-8594.	7.4	16

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145	Photochemical oxidation of phenols and anilines mediated by phenoxyl radicals in aqueous solution. Water Research, 2022, 213, 118095.	11.3	16
146	Luminescence upconversion under hydrostatic pressure in the3d-metal systemsTi2+:NaClandNi2+:CsCdCl3. Physical Review B, 2002, 65, .	3.2	15
147	Photoredoxâ€Switchable Resorcin[4]arene Cavitands: Radical Control of Molecular Gripping Machinery via Hydrogen Bonding. Chemistry - A European Journal, 2018, 24, 1431-1440.	3.3	15
148	Luminescence spectroscopy of V3+-doped Cs2NaYCl6 under high pressure. Chemical Physics Letters, 2002, 354, 75-81.	2.6	14
149	Redâ€toâ€Yellow Pressureâ€Induced Phase Transition in Pt(bpy)Cl₂: Spectroscopic Study Supported by DFT Calculations. European Journal of Inorganic Chemistry, 2007, 2007, 5735-5742.	2.0	14
150	Oxidaseâ€Type Câ^'H/Câ^'H Coupling Using an Isoquinolineâ€Derived Organic Photocatalyst. Angewandte Chemie - International Edition, 2022, , .	13.8	14
151	Chemical tuning of transition metal upconversion properties. Journal of Alloys and Compounds, 2002, 341, 342-348.	5.5	13
152	Visible Ni2+ upconversion luminescence in Ni2+, Yb3+ co-doped CsCdBr3. Chemical Physics Letters, 2005, 401, 492-496.	2.6	13
153	Spectroscopy and photoredox properties of soluble platinum(II) alkynyl complexes. Polyhedron, 2010, 29, 857-863.	2.2	13
154	Hole Tunneling and Hopping in a Ru(bpy)32+-Phenothiazine Dyad with a Bridge Derived from oligo-p-Phenylene. Inorganic Chemistry, 2011, 50, 10901-10907.	4.0	13
155	Tetramethoxybenzene is a Good Building Block for Molecular Wires: Insights from Photoinduced Electron Transfer. Journal of Physical Chemistry A, 2015, 119, 5676-5684.	2.5	13
156	Ruthenium(II)â€"Pyridylimidazole Complexes as Photoreductants and PCET Reagents. European Journal of Inorganic Chemistry, 2017, 2017, 609-615.	2.0	13
157	Exceptionally Longâ€Lived Photodriven Multiâ€Electron Storage without Sacrificial Reagents. Chemistry - A European Journal, 2017, 23, 10808-10814.	3.3	13
158	Directing Energy Transfer in Panchromatic Platinum Complexes for Dual Visâ€"Near-IR or Dual Visible Emission from *f*-Bonded BODIPY Dyes. Inorganic Chemistry, 2017, 56, 914-930.	4.0	13
159	Electron Transfer around a Molecular Corner. Angewandte Chemie - International Edition, 2018, 57, 6696-6700.	13.8	13
160	Four different emissions from a Pt(Bodipy)(PEt₃)₂(S-Pyrene) dyad. Dalton Transactions, 2019, 48, 1171-1174.	3.3	13
161	Triplet Energy Transfer from Ruthenium Complexes to Chiral Eiminium Ions: Enantioselective Synthesis of Cyclobutanecarbaldehydes by [2+2] Photocycloaddition. Angewandte Chemie, 2020, 132, 9746-9755.	2.0	13
162	Luminescence Upconversion Under High Pressure in Ni 2+ Doped CsCdCl 3. High Pressure Research, 2002, 22, 57-62.	1.2	12

#	Article	IF	Citations
163	Long-Range Electron Tunneling in Aqueous and Organic Glasses. Chimia, 2005, 59, 94-96.	0.6	12
164	Tunneling Energy Effects in Photoinduced Charge and Energy Transfer. Chimia, 2007, 61, 823-825.	0.6	12
165	Paramagnetic Molecular Grippers: The Elements of Six-State Redox Switches. Journal of Physical Chemistry Letters, 2016, 7, 2470-2477.	4.6	12
166	Circular Photoinduced Electron Transfer in a Donorâ€Acceptorâ€Acceptor Triad. Angewandte Chemie - International Edition, 2018, 57, 841-845.	13.8	12
167	Inorganic solid state optical materials:. Current Opinion in Solid State and Materials Science, 2002, 6, 487-493.	11.5	11
168	Photochemistry between a ruthenium(ii) pyridylimidazole complex and benzoquinone: simple electron transferversusproton-coupled electron transfer. Photochemical and Photobiological Sciences, 2013, 12, 254-261.	2.9	11
169	Photoredox Properties of Homoleptic d6Metal Complexes with the Electron-Rich 4,4â€²,5,5â€²-Tetramethoxy-2,2â€²-bipyridine Ligand. European Journal of Inorganic Chemistry, 2015, 2015, 4666-4677.	2.0	11
170	Controlling Second Coordination Sphere Effects in Luminescent Ruthenium Complexes by Means of External Pressure. Chemistry - A European Journal, 2018, 24, 7830-7833.	3.3	10
171	Light-driven electron injection from a biotinylated triarylamine donor to [Ru(diimine)₃]²⁺-labeled streptavidin. Organic and Biomolecular Chemistry, 2016, 14, 7197-7201.	2.8	9
172	Mixedâ€Valent Molecular Triple Deckers. Angewandte Chemie - International Edition, 2018, 57, 11688-11691.	13.8	9
173	Excited-State Relaxation in Luminescent Molybdenum(0) Complexes with Isocyanide Chelate Ligands. Inorganics, 2020, 8, 14.	2.7	9
174	Chemistry with Photons, Protons, and Electrons. Chimia, 2009, 63, 49-53.	0.6	9
175	Deepâ€Red Luminescent Molybdenum(0) Complexes with Biâ€and Tridentate Isocyanide Chelate Ligands. ChemPhotoChem, 2022, 6, .	3.0	9
176	Effects of High Pressure on the Luminescence and Upconversion Properties of Ti2+-Doped NaCl. Journal of Physical Chemistry B, 2002, 106, 10082-10088.	2.6	8
177	Bigger, better, faster: molecular shuttles with sterically non-hindering biisoquinoline chelates. Supramolecular Chemistry, 2011, 23, 42-52.	1.2	8
178	Improved Photostability of a Cu I Complex by Macrocyclization of the Phenanthroline Ligands. Chemistry - A European Journal, 2020, 26, 3119-3128.	3.3	8
179	Dual Luminescence and Excited-State Dynamics in Ti2+Doped NaCl. Journal of Physical Chemistry B, 2001, 105, 4181-4187.	2.6	7
180	Fe(ii), Ru(ii) and Re(i) complexes of endotopic, sterically non-hindering, U-shaped 8,8â€²-disubstituted-3,3â€²-biisoquinoline ligands: syntheses and spectroscopic properties. Dalton Transactions, 2008, , 491-498.	3.3	7

#	Article	IF	Citations
181	Variation of charge transfer kinetics in structurally closely related dyads with rhenium photosensitizers. Inorganica Chimica Acta, 2009, 362, 3415-3420.	2.4	7
182	Photoinduced electron tunneling between randomly dispersed donors and acceptors in frozen glasses and other rigid matrices. Physical Chemistry Chemical Physics, 2013, 15, 10673.	2.8	7
183	Light-actuated resorcin[4]arene cavitands. Tetrahedron, 2018, 74, 5615-5626.	1.9	7
184	Shortcuts for Electronâ€Transfer through the Secondary Structure of Helical Oligoâ€1,2â€Naphthylenes. Chemistry - A European Journal, 2019, 25, 16748-16754.	3.3	7
185	Stimuliâ€Responsive Resorcin[4]arene Cavitands: Toward Visibleâ€Lightâ€Activated Molecular Grippers. Chemistry - A European Journal, 2020, 26, 11451-11461.	3.3	7
186	Manganese(I) Complex with Monodentate Arylisocyanide Ligands Shows Photodissociation Instead of Luminescence. Inorganic Chemistry, 2022, 61, 10533-10547.	4.0	7
187	Excited-state absorption of Cr3+ in Cs2NaScCl6. Journal of Chemical Physics, 2002, 117, 909-913.	3.0	6
188	Stepwise Photoinduced Electron Transfer in a Tetrathiafulvaleneâ€Phenothiazineâ€Ruthenium Triad. European Journal of Inorganic Chemistry, 2019, 2019, 4256-4262.	2.0	6
189	Sensitized Photocatalytic CO2 Reduction With Earth Abundant 3d Metal Complexes Possessing Dipicolyl-Triazacyclononane Derivatives. Frontiers in Chemistry, 2021, 9, 751716.	3.6	6
190	Photophysics of Perylene Diimide Dianions and Their Application in Photoredox Catalysis. Angewandte Chemie, 2022, 134, e202110491.	2.0	6
191	Near-infrared to visible photon up-conversion in V3+, Re4+ co-doped Cs2NaYCl6. Journal of Luminescence, 2003, 102-103, 48-53.	3.1	5
192	KreisfÃ¶rmiger lichtinduzierter Elektronentransfer in einer Donorâ€Akzeptorâ€Akzeptorâ€Triade. Angewandte Chemie, 2018, 130, 850-855.	2.0	5
193	Directing energy transfer in Pt(bodipy)(mercaptopyrene) dyads. Dalton Transactions, 2019, 48, 11690-11705.	3.3	5
194	A Nearâ€Infraredâ€Ii Emissive Chromium(III) Complex. Angewandte Chemie, 2021, 133, 23915.	2.0	5
195	Improved light absorbance does not lead to better DSC performance: studies on a ruthenium porphyrinâ€“terpyridine conjugate. RSC Advances, 2016, 6, 15370-15381.	3.6	4
196	Mixedâ€Valent Molecular Triple Deckers. Angewandte Chemie, 2018, 130, 11862-11865.	2.0	4
197	Electron Transfer across o-Phenylene Wires. Journal of Physical Chemistry A, 2019, 123, 96-102.	2.5	4
198	Solvent-Mediated Activation/Deactivation of Photoinduced Electron-Transfer in a Molecular Dyad. Inorganic Chemistry, 2020, 59, 10430-10438.	4.0	4

#	Article	IF	Citations
199	Streptavidin as a Scaffold for Lightâ€Induced Longâ€Lived Charge Separation. Chemistry - A European Journal, 2017, 23, 18019-18024.	3.3	3
200	Light-Controlled Reactivity of Metal Complexes. Inorganic Chemistry, 2020, 59, 14627-14628.	4.0	3
201	Reaction Rate Maxima at Large Distances between Reactants. Chimia, 2016, 70, 177-181.	0.6	2
202	N -Heterocyclic carbene ligands bearing a naphthoquinone appendage: Synthesis and coordination chemistry. Polyhedron, 2016, 103, 261-266.	2.2	2
203	Luminescent Ni0 Diisocyanide Chelates as Analogues of CuI Diimine Complexes. Chemistry - A European Journal, 2017, 23, 8541-8541.	3.3	2
204	Elektronentransfer um eine molekulare Ecke. Angewandte Chemie, 2018, 130, 6806-6810.	2.0	2
205	Crystal Field Effects on the Optical Absorption and Luminescence Properties of Ni2+-Doped Chlorides and Bromides: Crossover in the Emitting Higher Excited State.. ChemInform, 2003, 34, no.	0.0	0
206	Photoinduced Electron and Proton Transfer with Metal Complexes and Organic Molecules. Chimia, 2013, 67, 337-339.	0.6	0
207	From Photodriven Charge Accumulation to Fueling Enzyme Cascades in Molecular Factories. Chimia, 2016, 70, 395-397.	0.6	0
208	Photoinduced electron transfer in a triarylamine-organoboron-Ru(2,2â€²-bipyridine)32+ compound. Comptes Rendus Chimie, 2017, 20, 230-236.	0.5	0
209	Homoleptic complexes of a porphyrinatozinc(ii)-2,2â€²:6â€²,2â€²â€²-terpyridine ligand. Photochemical and Photobiological Sciences, 2017, 16, 585-595.	2.9	0
210	Frontispiece: Photoredox Catalysis with Metal Complexes Made from Earthâ€Abundant Elements. Chemistry - A European Journal, 2018, 24, .	3.3	0
211	RÃ¼cktitelbild: Elektronentransfer um eine molekulare Ecke (Angew. Chem. 22/2018). Angewandte Chemie, 2018, 130, 6818-6818.	2.0	0
212	RÃ¼cktitelbild: A Nearâ€Infraredâ€Emissive Chromium(III) Complex (Angew. Chem. 44/2021). Angewandte Chemie, 2021, 133, 24116-24116.	2.0	0
213	Oxidaseâ€Type Câ^'H/Câ^'H Coupling Using an Isoquinolineâ€Derived Organic Photocatalyst. Angewandte Chemie, 0, , .	2.0	0