

Wesley R. Browne

List of Publications by Year in descending order

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261
papers

13,016
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28190

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times ranked

13816
citing authors

#	ARTICLE	IF	CITATIONS
1	Single wavelength colour tuning of spiropyran and dithienylethene based photochromic coatings. <i>Materials Advances</i> , 2022, 3, 282-289.	2.6	3
2	Photoactive Fe Catalyst for Light-Triggered Alkyd Paint Curing. <i>Jacs Au</i> , 2022, 2, 531-540.	3.6	2
3	In situ EPR and Raman spectroscopy in the curing of bis-methacrylate-styrene resins. <i>RSC Advances</i> , 2022, 12, 2537-2548.	1.7	3
4	Stereodivergent Chirality Transfer by Noncovalent Control of Disulfide Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 4376-4382.	6.6	27
5	Photoswitchable architecture transformation of a DNA-hybrid assembly at the microscopic and macroscopic scale. <i>Chemical Science</i> , 2022, 13, 3263-3272.	3.7	9
6	Taming Tris(bipyridine)ruthenium(II) and Its Reactions in Water by Capture/Release with Shape-Switchable Symmetry-Matched Cyclophanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4977-4988.	6.6	12
7	Cooperative light-induced breathing of soft porous crystals via azobenzene buckling. <i>Nature Communications</i> , 2022, 13, 1951.	5.8	33
8	pH-Induced Changes in the SERS Spectrum of Thiophenol at Gold Electrodes during Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7680-7687.	1.5	3
9	Light-driven molecular motors embedded in covalent organic frameworks. <i>Chemical Science</i> , 2022, 13, 8253-8264.	3.7	19
10	Dissociative Ligand Field-Based Photochemistry in Organometallic Compounds. <i>Springer Handbooks</i> , 2022, , 447-458.	0.3	0
11	Photoresponsive porous materials. <i>Nanoscale Advances</i> , 2021, 3, 24-40.	2.2	62
12	Engineering the Oxidative Potency of Non-Heme Iron(IV) Oxo Complexes in Water for C-H Oxidation by a <i>cis</i> Donor and Variation of the Second Coordination Sphere. <i>Inorganic Chemistry</i> , 2021, 60, 1975-1984.	1.9	5
13	A nonheme peroxo-diiron(μ -oxo) complex exhibiting both nucleophilic and electrophilic oxidation of organic substrates. <i>Dalton Transactions</i> , 2021, 50, 7181-7185.	1.6	7
14	Photophysics of First-Generation Photomolecular Motors: Resolving Roles of Temperature, Friction, and Medium Polarity. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1711-1719.	1.1	8
15	Excited State Structure Correlates with Efficient Photoconversion in Unidirectional Motors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3367-3372.	2.1	9
16	Electrochemical Ring-Opening and -Closing of a Spiropyran. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3355-3361.	1.1	12
17	Iron Tetrasulfonatophthalocyanine-Catalyzed Starch Oxidation Using H_2O_2 : Interplay between Catalyst Activity, Selectivity, and Stability. <i>ACS Omega</i> , 2021, 6, 13847-13857.	1.6	4
18	Isolation of a Ru(IV) side-on peroxo intermediate in the water oxidation reaction. <i>Nature Chemistry</i> , 2021, 13, 800-804.	6.6	35

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19	Filter paper based SERS substrate for the direct detection of analytes in complex matrices. <i>Analyst</i> , 2021, 146, 1281-1288.	1.7	30
20	Mechanisms in manganese oxidation catalysis with 1,4,7-triazacyclononane based ligands. <i>Advances in Inorganic Chemistry</i> , 2021, , 143-182.	0.4	1
21	Off-line analysis in the manganese catalysed epoxidation of ethylene-propylene-diene rubber (EPDM) with hydrogen peroxide. <i>RSC Advances</i> , 2021, 11, 32505-32512.	1.7	2
22	Three-State Switching of an Anthracene Extended Bis-thioxanthylidene with a Highly Stable Diradical State. <i>Journal of the American Chemical Society</i> , 2021, 143, 18020-18028.	6.6	15
23	Resonance Raman spectroscopy and its application in bioinorganic chemistry. , 2020, , 275-324.		2
24	Noncommutative Switching of Double Spiropyrans. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6458-6467.	1.1	6
25	Emergence of light-driven protometabolism on recruitment of a photocatalytic cofactor by a self-replicator. <i>Nature Chemistry</i> , 2020, 12, 603-607.	6.6	55
26	O ₂ Activation by Non-Heme Thiolate-Based Dinuclear Fe Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 3249-3259.	1.9	17
27	Ultrafast Excited State Dynamics in a First Generation Photomolecular Motor. <i>ChemPhysChem</i> , 2020, 21, 594-599.	1.0	13
28	Visible-Light-Driven Rotation of Molecular Motors in a Dual-Function Metal-Organic Framework Enabled by Energy Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 9048-9056.	6.6	86
29	Impact of binding to the multidrug resistance regulator protein LmrR on the photo-physics and -chemistry of photosensitizers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12228-12238.	1.3	6
30	Oxidative Cleavage of Cellobiose by Lytic Polysaccharide Monooxygenase (LPMO)-Inspired Copper Complexes. <i>ACS Omega</i> , 2019, 4, 10729-10740.	1.6	14
31	<i>cis</i> Donor Influence on O-O Bond Lability in Iron(III) Hydroperoxo Complexes: Oxidation Catalysis and Ligand Transformation. <i>Inorganic Chemistry</i> , 2019, 58, 8983-8994.	1.9	9
32	Editorial overview: Reprogramming biology: from biopolymers to complex systems. <i>Current Opinion in Biotechnology</i> , 2019, 58, v-vi.	3.3	0
33	Lewis versus Brønsted Acid Activation of a Mn(IV) Catalyst for Alkene Oxidation. <i>Inorganic Chemistry</i> , 2019, 58, 14924-14930.	1.9	20
34	Oxidative Cleavage of Alkene C=C Bonds Using a Manganese Catalyzed Oxidation with H ₂ O ₂ Combined with Periodate Oxidation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7151-7158.	1.2	16
35	The evolution of spiropyran: fundamentals and progress of an extraordinarily versatile photochrome. <i>Chemical Society Reviews</i> , 2019, 48, 3406-3424.	18.7	421
36	Phase transformation and fracture load of stock and CAD/CAM-customized zirconia abutments after 1 year of clinical function. <i>Clinical Oral Implants Research</i> , 2019, 30, 559-569.	1.9	6

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37	Origins of Catalyst Inhibition in the Manganese-Catalysed Oxidation of Lignin Model Compounds with H_2O_2 . <i>ChemSusChem</i> , 2019, 12, 3126-3133.	3.6	8
38	Unidirectional rotary motion in a metal-organic framework. <i>Nature Nanotechnology</i> , 2019, 14, 488-494.	15.6	162
39	Computational Versus Experimental Spectroscopy for Transition Metals. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2019, , 161-183.	0.6	1
40	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie</i> , 2018, 130, 6311-6315.	1.6	6
41	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6203-6207.	7.2	26
42	A Non-Heme Iron Photocatalyst for Light-Driven Aerobic Oxidation of Methanol. <i>Angewandte Chemie</i> , 2018, 130, 3261-3265.	1.6	5
43	A Non-Heme Iron Photocatalyst for Light-Driven Aerobic Oxidation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3207-3211.	7.2	34
44	Selective Photo-Induced Oxidation with O_2 of a Non-Heme Iron(III) Complex to a Bis(imine-pyridyl)iron(II) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 4510-4515.	1.9	5
45	Lipid-DNAs as Solubilizers of <i>m</i> -THPC. <i>Chemistry - A European Journal</i> , 2018, 24, 798-802.	1.7	5
46	Directing a Non-Heme Iron(III)-Hydroperoxide Species on a Trifurcated Reactivity Pathway. <i>Chemistry - A European Journal</i> , 2018, 24, 5134-5145.	1.7	20
47	Catalytic Alkyl Hydroperoxide and Acyl Hydroperoxide Disproportionation by a Nonheme Iron Complex. <i>ACS Catalysis</i> , 2018, 8, 9980-9991.	5.5	19
48	Photoinduced O_2 -Dependent Stepwise Oxidative Deglycination of a Nonheme Iron(III) Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 14150-14160.	6.6	11
49	H_2O_2 Oxidation by Fe^{III} -OOH Intermediates and Its Effect on Catalytic Efficiency. <i>ACS Catalysis</i> , 2018, 8, 9665-9674.	5.5	53
50	Proton-Stabilized Photochemically Reversible <i>E/Z</i> Isomerization of Spiropyran. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6423-6430.	1.2	76
51	Photochemistry of iron complexes. <i>Coordination Chemistry Reviews</i> , 2018, 374, 15-35.	9.5	98
52	Shedding Light on the Nature of Photoinduced States Formed in a Hydrogen-Generating Supramolecular RuPt Photocatalyst by Ultrafast Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6396-6406.	1.1	8
53	Metal-Catalyzed Photooxidation of Flavones in Aqueous Media. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2621-2630.	1.0	5
54	Remarkable solvent isotope dependence on gelation strength in low molecular weight hydro-gelators. <i>Chemical Communications</i> , 2017, 53, 1719-1722.	2.2	20

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55	Ultrafast Excited State Dynamics in Molecular Motors: Coupling of Motor Length to Medium Viscosity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2138-2150.	1.1	18
56	Ultrafast Dynamics in Light-Driven Molecular Rotary Motors Probed by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 7408-7414.	6.6	75
57	Cold Snapshot of a Molecular Rotary Motor Captured by High-Resolution Rotational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11209-11212.	7.2	22
58	Reversible Charge Trapping in Bis-Carbazole-Diimide Redox Polymers with Complete Luminescence Quenching Enabling Nondestructive Read-Out by Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14688-14702.	1.5	41
59	Electrochemical Polymerization of Iron(III) Polypyridyl Complexes through C-C Coupling of Redox Non-innocent Phenolato Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 470-479.	1.9	15
60	Switching Pathways for Reversible Ligand Photodissociation in Ru(II) Polypyridyl Complexes with Steric Effects. <i>Inorganic Chemistry</i> , 2017, 56, 900-907.	1.9	8
61	Direct photochemical activation of non-heme Fe(IV)=O complexes. <i>Chemical Communications</i> , 2017, 53, 12357-12360.	2.2	14
62	Artificial Metalloproteins for Binding and Stabilization of a Semiquinone Radical. <i>Inorganic Chemistry</i> , 2017, 56, 13293-13299.	1.9	15
63	Trapping of superoxido cobalt and peroxido dicobalt species formed reversibly from Co(II) and O ₂ . <i>Chemical Communications</i> , 2017, 53, 11782-11785.	2.2	33
64	Oxidation of Vicinal Diols to α -Hydroxy Ketones with H ₂ O ₂ and a Simple Manganese Catalyst. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6919-6925.	1.2	12
65	Cold Snapshot of a Molecular Rotary Motor Captured by High-Resolution Rotational Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 11361-11364.	1.6	6
66	Blink and You Miss It. <i>Optik & Photonik</i> , 2017, 12, 44-45.	0.3	1
67	Synthesis and Isotope Effects on the Excited State Properties of N ^N Bound [Ir(polypyridyl) ₂ Cl ₂] ^{PF₆} Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5598-5603.	1.0	4
68	High-resolution gas-phase spectroscopy of a single-bond axle rotary motor. <i>Tetrahedron</i> , 2017, 73, 4887-4890.	1.0	1
69	Supramolecular Low-Molecular-Weight Hydrogelator Stabilization of SERS-Active Aggregated Nanoparticles for Solution and Gas Sensing. <i>Langmuir</i> , 2017, 33, 8805-8812.	1.6	8
70	Chirality controlled responsive self-assembled nanotubes in water. <i>Chemical Science</i> , 2017, 8, 1783-1789.	3.7	20
71	Transient Formation and Reactivity of a High-Valent Nickel(IV) Oxido Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 8718-8724.	6.6	47
72	The Critical Role Played by the Catalytic Moiety in the Early-Time Photodynamics of Hydrogen-Generating Bimetallic Photocatalysts. <i>ChemPhysChem</i> , 2016, 17, 2654-2659.	1.0	8

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73	Molecular Machines. <i>ChemPhysChem</i> , 2016, 17, 1713-1714.	1.0	3
74	O ₂ Activation and Double C-H Oxidation by a Mononuclear Manganese(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 545-549.	7.2	25
75	Conflicting Role of Water in the Activation of H ₂ O ₂ and the Formation and Reactivity of Non-Heme Fe ^{III} -OOH and Fe ^{III} -O [•] -Fe ^{III} Complexes at Room Temperature. <i>Inorganic Chemistry</i> , 2016, 55, 4211-4222.	1.9	17
76	Mechanism of Alkene, Alkane, and Alcohol Oxidation with H ₂ O ₂ by an in Situ Prepared Mn ^{II} /Pyridine-2-carboxylic Acid Catalyst. <i>ACS Catalysis</i> , 2016, 6, 3486-3495.	5.5	32
77	Rapid Hydrogen and Oxygen Atom Transfer by a High-Valent Nickel ^{IV} -Oxygen Species. <i>Journal of the American Chemical Society</i> , 2016, 138, 12987-12996.	6.6	66
78	Influence of Ligand Architecture in Tuning Reaction Bifurcation Pathways for Chlorite Oxidation by Non-Heme Iron Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 10170-10181.	1.9	17
79	Direct Observation of a Dark State in the Photocycle of a Light-Driven Molecular Motor. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8606-8612.	1.1	36
80	Solvation Dependent Redox-Gated Fluorescence Emission in a Diarylethene-Based Sexithiophene Polymer Film. <i>Advanced Optical Materials</i> , 2016, 4, 1378-1384.	3.6	8
81	Accidental degeneracy in the spiropyran radical cation: charge transfer between two orthogonal rings inducing ultra-efficient reactivity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31244-31253.	1.3	10
82	Towards Redox-Driven Unidirectional Molecular Motion. <i>ChemPhysChem</i> , 2016, 17, 1895-1901.	1.0	15
83	Peripheral ligands as electron storage reservoirs and their role in enhancement of photocatalytic hydrogen generation. <i>Chemical Communications</i> , 2016, 52, 9371-9374.	2.2	24
84	A Remarkable Multitasking Double Spiropyran: Bidirectional Visible-Light Switching of Polymer-Coated Surfaces with Dual Redox and Proton Gating. <i>Journal of the American Chemical Society</i> , 2016, 138, 1301-1312.	6.6	71
85	Subtle Changes to Peripheral Ligands Enable High Turnover Numbers for Photocatalytic Hydrogen Generation with Supramolecular Photocatalysts. <i>Inorganic Chemistry</i> , 2016, 55, 2685-2690.	1.9	38
86	Ultrafast Isomerization Dynamics of a Unidirectional Molecular Rotor Revealed by Femtosecond Stimulated Raman Spectroscopy (FSRS). , 2016, , .		1
87	Reactivity of a Nickel(II) Bis(amidate) Complex with <i>meta</i> -Chloroperbenzoic Acid: Formation of a Potent Oxidizing Species. <i>Chemistry - A European Journal</i> , 2015, 21, 15029-15038.	1.7	82
88	Redox-State Dependent Ligand Exchange in Manganese-Based Oxidation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3432-3456.	1.0	12
89	Biological Oxidation Reactions - Mechanisms and Design of New Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3354-3356.	1.0	0
90	Supramolecular bimetallic assemblies for photocatalytic hydrogen generation from water. <i>Faraday Discussions</i> , 2015, 185, 143-170.	1.6	35

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91	Identification and Spectroscopic Characterization of Nonheme Iron(III) Hypochlorite Intermediates. <i>Angewandte Chemie</i> , 2015, 127, 4431-4435.	1.6	13
92	Position and Orientation Control of a Photo- and Electrochromic Dithienylethene Using a Tripodal Anchor on Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3648-3657.	1.5	22
93	Identification and Spectroscopic Characterization of Nonheme Iron(III) Hypochlorite Intermediates. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4357-4361.	7.2	38
94	Supramolecular Assembly of Artificial Metalloenzymes Based on the Dimeric Protein LmrR as Promiscuous Scaffold. <i>Journal of the American Chemical Society</i> , 2015, 137, 9796-9799.	6.6	114
95	Nonheme Fe(IV) Oxo Complexes of Two New Pentadentate Ligands and Their Hydrogen-Atom and Oxygen-Atom Transfer Reactions. <i>Inorganic Chemistry</i> , 2015, 54, 7152-7164.	1.9	63
96	Multiphotochromic molecular systems. <i>Chemical Society Reviews</i> , 2015, 44, 3719-3759.	18.7	302
97	Mechanistic Links in the <i>in situ</i> Formation of Dinuclear Manganese Catalysts, H_2O_2 Disproportionation, and Alkene Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3532-3542.	1.0	7
98	Spectroscopic Analyses on Reaction Intermediates Formed during Chlorination of Alkanes with NaOCl Catalyzed by a Nickel Complex. <i>Inorganic Chemistry</i> , 2015, 54, 10656-10666.	1.9	23
99	Mild Ti-mediated transformation of t-butyl thio-ethers into thio-acetates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 265-268.	1.5	8
100	Dinuclear compounds without a metal-metal bond. Dirhodium(III,III) carboxamidates. <i>Inorganica Chimica Acta</i> , 2015, 424, 235-240.	1.2	5
101	Binding of copper(II) polypyridyl complexes to DNA and consequences for DNA-based asymmetric catalysis. <i>Dalton Transactions</i> , 2015, 44, 3647-3655.	1.6	55
102	Palladium-Catalyzed anti-Markovnikov Oxidation of Terminal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 734-744.	7.2	111
103	Characterisation of the interactions between substrate, copper(II) complex and DNA and their role in rate acceleration in DNA-based asymmetric catalysis. <i>Dalton Transactions</i> , 2015, 44, 3656-3663.	1.6	42
104	Transition metal functionalized photo- and redox-switchable diarylethene based molecular switches. <i>Coordination Chemistry Reviews</i> , 2015, 282-283, 77-86.	9.5	80
105	Palladium-Catalyzed Anti-Markovnikov Oxidation of Allylic Amides to Protected β -Amino Aldehydes. <i>Journal of the American Chemical Society</i> , 2014, 136, 17302-17307.	6.6	33
106	Unidirectional Light-Driven Molecular Motors Based on Overcrowded Alkenes. <i>Topics in Current Chemistry</i> , 2014, 354, 139-162.	4.0	36
107	A Dithienylethene-Based Rewritable Hydrogelator. <i>Chemistry - A European Journal</i> , 2014, 20, 3077-3083.	1.7	50
108	Supramolecular Chemistry on Graphene Field-Effect Transistors. <i>Small</i> , 2014, 10, 1735-1740.	5.2	20

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109	Autoamplification of Molecular Chirality through the Induction of Supramolecular Chirality. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5073-5077.	7.2	79
110	Triggering the Generation of an Iron(IV)-Oxo Compound and Its Reactivity toward Sulfides by Ru ^{II} Photocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 4624-4633.	6.6	72
111	Reversible Photochemical Control of Singlet Oxygen Generation Using Diarylethene Photochromic Switches. <i>Journal of the American Chemical Society</i> , 2014, 136, 910-913.	6.6	134
112	The role of carboxylato ligand dissociation in the oxidation of chrysin with H ₂ O ₂ catalysed by [Mn ^{III,IV} (1/4-CH ₃ COO)(1/4-O) ₂ (Me ₄ dtne)](PF ₆) ₂ . <i>Dalton Transactions</i> , 2014, 43, 6322-6332.	1.6	10
113	Stabilisation of 1/4-peroxido-bridged Fe(III) intermediates with non-symmetric bidentate N-donor ligands. <i>Chemical Communications</i> , 2014, 50, 1326-1329.	2.2	25
114	Reversible photochromic switching in a Ru(^{II}) polypyridyl complex. <i>Dalton Transactions</i> , 2014, 43, 16974-16976.	1.6	9
115	New synthetic pathways to the preparation of near-blue emitting heteroleptic Ir(III)N ₆ coordinated compounds with microsecond lifetimes. <i>Chemical Communications</i> , 2014, 50, 6461-6463.	2.2	13
116	Control of Surface Wettability Using Tripodal Light-Activated Molecular Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 3219-3224.	6.6	131
117	A Fast, Visible-Light-Sensitive Azobenzene for Bioorthogonal Ligation. <i>Chemistry - A European Journal</i> , 2014, 20, 946-951.	1.7	34
118	Directionality of Ultrafast Electron Transfer in a Hydrogen Evolving Ru-Pd-Based Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20799-20806.	1.5	24
119	Chemically Optimizing Operational Efficiency of Molecular Rotary Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 9692-9700.	6.6	96
120	Light-Controlled Formation of Vesicles and Supramolecular Organogels by a Cholesterol-Bearing Amphiphilic Molecular Switch. <i>Chemistry - A European Journal</i> , 2014, 20, 1737-1742.	1.7	57
121	Pyridyl-1,2,4-triazole diphenyl boron complexes as efficient tuneable blue emitters. <i>Dalton Transactions</i> , 2014, 43, 17740-17745.	1.6	10
122	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 1. Photochemistry. <i>Organometallics</i> , 2014, 33, 447-456.	1.1	15
123	Ultrafast Excited State Dynamics in 9,9-Bifluorenylidene. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5961-5968.	1.1	15
124	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 2. Electro- and Spectroelectrochemical Properties. <i>Organometallics</i> , 2014, 33, 3309-3319.	1.1	11
125	Mechanically Induced Gel Formation. <i>Langmuir</i> , 2013, 29, 8763-8767.	1.6	47
126	Electrochemistry and time dependent DFT study of a (vinylenedithio)-TTF derivative in different oxidation states. <i>Electrochimica Acta</i> , 2013, 100, 188-196.	2.6	5

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127	Effect of Immobilization on Gold on the Temperature Dependence of Photochromic Switching of Dithienylethenes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17623-17632.	1.5	20
128	Manganese-catalyzed Selective Oxidation of Aliphatic C-H groups and Secondary Alcohols to Ketones with Hydrogen Peroxide. <i>ChemSusChem</i> , 2013, 6, 1774-1778.	3.6	42
129	Oxidative electrochemical aryl C-C coupling of spiropyrans. <i>Chemical Communications</i> , 2013, 49, 6737.	2.2	42
130	Selective Catalytic Oxidation of Alcohols, Aldehydes, Alkanes and Alkenes Employing Manganese Catalysts and Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2591-2603.	2.1	46
131	Off-line reaction monitoring of the oxidation of alkenes in water using drop coating deposition Raman (DCDR) spectroscopy. <i>Analyst</i> , 2013, 138, 3163.	1.7	6
132	An Electrochemical and Raman Spectroscopy Study of the Surface Behaviour of Mononuclear Ruthenium and Osmium Polypyridyl Complexes Based on Pyridyl- and Thiophene-based Linkers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4291-4299.	1.0	6
133	Unexpected reversible pyrazine based methylation in a Ru(II) complex bearing a pyrazin-2-yl-1,2,4-triazolato ligand and its effect on acid/base and photophysical properties. <i>Dalton Transactions</i> , 2013, 42, 2546-2555.	1.6	6
134	Electrochemistry of dithienylethenes and their application in electropolymer modified photo- and redox switchable surfaces. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 233-243.	1.5	42
135	Mechanisms in manganese catalysed oxidation of alkenes with H ₂ O ₂ . <i>Chemical Society Reviews</i> , 2013, 42, 2059-2074.	18.7	145
136	Rapid reduction of self-assembled monolayers of a disulfide terminated para-nitrophenyl alkyl ester on roughened Au surfaces during XPS measurements. <i>Chemical Physics Letters</i> , 2013, 559, 76-81.	1.2	20
137	UV/Vis and NIR Light-Responsive Spiropyran Self-Assembled Monolayers. <i>Langmuir</i> , 2013, 29, 4290-4297.	1.6	76
138	Hierarchical Self-Assembly of a Biomimetic Light-Harvesting Antenna Based on DNA G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2013, 19, 2457-2461.	1.7	29
139	Palladium-catalyzed Selective Anti-Markovnikov Oxidation of Allylic Esters. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5561-5565.	7.2	38
140	Full ring closing in a diarylethene hexamer: insights from theory. <i>Chemical Communications</i> , 2013, 49, 4247-4249.	2.2	12
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