

Wesley R. Browne

List of Publications by Year in descending order

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261
papers

13,016
citations

28274

55
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31849

101
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331
all docs

331
docs citations

331
times ranked

13816
citing authors

#	ARTICLE	IF	CITATIONS
1	Making molecular machines work. <i>Nature Nanotechnology</i> , 2006, 1, 25-35.	31.5	1,317
2	The evolution of spiropyran: fundamentals and progress of an extraordinarily versatile photochrome. <i>Chemical Society Reviews</i> , 2019, 48, 3406-3424.	38.1	421
3	Functionalization of Graphene <i>via</i> 1,3-Dipolar Cycloaddition. <i>ACS Nano</i> , 2010, 4, 3527-3533.	14.6	407
4	Multiphotochromic molecular systems. <i>Chemical Society Reviews</i> , 2015, 44, 3719-3759.	38.1	302
5	Light Switching of Molecules on Surfaces. <i>Annual Review of Physical Chemistry</i> , 2009, 60, 407-428.	10.8	267
6	Dynamic control over cell adhesive properties using molecular-based surface engineering strategies. <i>Chemical Society Reviews</i> , 2010, 39, 354-378.	38.1	209
7	Autonomous propulsion of carbon nanotubes powered by a multienzyme ensemble. <i>Chemical Communications</i> , 2008, , 1533-1535.	4.1	193
8	MHz Unidirectional Rotation of Molecular Rotary Motors. <i>Journal of the American Chemical Society</i> , 2008, 130, 10484-10485.	13.7	191
9	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 1: Effect of Electronic Perturbation on the Efficiency and Direction of Molecular Switching. <i>Chemistry - A European Journal</i> , 2005, 11, 6414-6429.	3.3	180
10	cis-Dihydroxylation and Epoxidation of Alkenes by [Mn ₂ O(RCO ₂) ₂ (tmtacn) ₂]: Tailoring the Selectivity of a Highly H ₂ O ₂ -Efficient Catalyst. <i>Journal of the American Chemical Society</i> , 2005, 127, 7990-7991.	13.7	174
11	Ultrafast dynamics in the power stroke of a molecular rotary motor. <i>Nature Chemistry</i> , 2012, 4, 547-551.	13.6	168
12	On the Mechanism of the Copper-Catalyzed Enantioselective 1,4-Addition of Grignard Reagents to α,β -Unsaturated Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2006, 128, 9103-9118.	13.7	165
13	Unidirectional rotary motion in a metal-organic framework. <i>Nature Nanotechnology</i> , 2019, 14, 488-494.	31.5	162
14	Elucidating excited state electronic structure and intercomponent interactions in multicomponent and supramolecular systems. <i>Chemical Society Reviews</i> , 2005, 34, 641.	38.1	160
15	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 2: Effect of Substitution and Asymmetry on the Efficiency and Direction of Molecular Switching and Redox Stability. <i>Chemistry - A European Journal</i> , 2005, 11, 6430-6441.	3.3	154
16	Dispersion of graphene in ethanol using a simple solvent exchange method. <i>Chemical Communications</i> , 2010, 46, 7539.	4.1	153
17	Reversible Three-State Switching of Luminescence: A New Twist to Electro- and Photochromic Behavior. <i>Journal of the American Chemical Society</i> , 2006, 128, 12412-12413.	13.7	150
18	Mechanisms in manganese catalysed oxidation of alkenes with H ₂ O ₂ . <i>Chemical Society Reviews</i> , 2013, 42, 2059-2074.	38.1	145

#	ARTICLE	IF	CITATIONS
19	Reversible Photochemical Control of Singlet Oxygen Generation Using Diarylethene Photochromic Switches. <i>Journal of the American Chemical Society</i> , 2014, 136, 910-913.	13.7	134
20	Control of Surface Wettability Using Tripodal Light-Activated Molecular Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 3219-3224.	13.7	131
21	One-Pot Functionalization of Graphene with Porphyrin through Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2011, 17, 8957-8964.	3.3	118
22	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.	13.7	114
23	Catalytic molecular motors: fuelling autonomous movement by a surface bound synthetic manganese catalase. <i>Chemical Communications</i> , 2005, , 3936.	4.1	113
24	Palladium-Catalyzed anti-Markovnikov Oxidation of Terminal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 734-744.	13.8	111
25	Balancing Hydrogen Bonding and van der Waals Interactions in Cyclohexane-Based Bisamide and Bisurea Organogelators. <i>Langmuir</i> , 2009, 25, 8802-8809.	3.5	110
26	Light-induced disassembly of self-assembled vesicle-capped nanotubes observed in real time. <i>Nature Nanotechnology</i> , 2011, 6, 547-552.	31.5	109
27	Evidence for a Precursor Complex in C ₂ H Hydrogen Atom Transfer Reactions Mediated by a Manganese(IV) Oxo Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5648-5653.	13.8	103
28	Mechanism of Cis-Dihydroxylation and Epoxidation of Alkenes by Highly H ₂ O ₂ Efficient Dinuclear Manganese Catalysts. <i>Inorganic Chemistry</i> , 2007, 46, 6353-6372.	4.0	102
29	Driving Unidirectional Molecular Rotary Motors with Visible Light by Intra- And Intermolecular Energy Transfer from Palladium Porphyrin. <i>Journal of the American Chemical Society</i> , 2012, 134, 17613-17619.	13.7	99
30	Photochemistry of iron complexes. <i>Coordination Chemistry Reviews</i> , 2018, 374, 15-35.	18.8	98
31	Understanding the Dynamics Behind the Photoisomerization of a Light-Driven Fluorene Molecular Rotary Motor. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5058-5067.	2.5	96
32	Chemically Optimizing Operational Efficiency of Molecular Rotary Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 9692-9700.	13.7	96
33	Complexed Nitrogen Heterosuperbenzene: The Coordinating Properties of a Remarkable Ligand. <i>Journal of the American Chemical Society</i> , 2004, 126, 8694-8701.	13.7	95
34	Photoswitchable Intramolecular H-Stacking of Perylenebisimide. <i>Journal of the American Chemical Society</i> , 2010, 132, 4191-4196.	13.7	95
35	Tuning interaction in dinuclear ruthenium complexes: HOMO versus LUMO mediated superexchange through azole and azine bridges. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1653-1668.	18.8	90
36	The Early Picosecond Photophysics of Ru(II) Polypyridyl Complexes: A Tale of Two Timescales. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4537-4544.	2.5	90

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37	Photo- and electro-chromism of diarylethene modified ITO electrodes towards molecular based read-write-erase information storage. <i>Chemical Communications</i> , 2006, , 3930-3932.	4.1	89
38	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.	13.7	86
39	Nano-electronic switches: Light-induced switching of the conductance of molecular systems. <i>Journal of Materials Chemistry</i> , 2009, 19, 7168.	6.7	84
40	Electrochemical and Photochemical Cyclization and Cycloreversion of Diarylethenes and Diarylethene-Capped Sexithiophene Wires. <i>ACS Nano</i> , 2011, 5, 1165-1178.	14.6	84
41	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.	3.3	82
42	Transition metal functionalized photo- and redox-switchable diarylethene based molecular switches. <i>Coordination Chemistry Reviews</i> , 2015, 282-283, 77-86.	18.8	80
43	Autoamplification of Molecular Chirality through the Induction of Supramolecular Chirality. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5073-5077.	13.8	79
44	UV/Vis and NIR Light-Responsive Spiropyran Self-Assembled Monolayers. <i>Langmuir</i> , 2013, 29, 4290-4297.	3.5	76
45	Proton-Stabilized Photochemically Reversible <i>E</i> / <i>Z</i> Isomerization of Spiropyrans. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6423-6430.	2.6	76
46	Manganese catalysed asymmetric cis-dihydroxylation with H ₂ O ₂ . <i>Chemical Communications</i> , 2008, , 3747.	4.1	75
47	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.	13.7	75
48	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.	13.7	72
49	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.	13.7	71
50	The effect of deuteration on the emission lifetime of inorganic compounds. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 761-787.	18.8	70
51	Photoresponsive dithienylethene-urea-based organogels with reversible behavior. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1544.	2.8	67
52	Rapid Hydrogen and Oxygen Atom Transfer by a High-Valent Nickel-Oxygen Species. <i>Journal of the American Chemical Society</i> , 2016, 138, 12987-12996.	13.7	66
53	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.	4.0	63
54	Symmetric Six-Fold Arrays of Photo- and Electrochromic Dithienylethene Switches. <i>Organic Letters</i> , 2010, 12, 2132-2135.	4.6	62

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55	Photoresponsive porous materials. <i>Nanoscale Advances</i> , 2021, 3, 24-40.	4.6	62
56	DNA Block Copolymer Doing It All: From Selection to Self-Assembly of Semiconducting Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3206-3210.	13.8	60
57	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.	3.3	57
58	The Raman effect and its application to electronic spectroscopies in metal-centered species: Techniques and investigations in ground and excited states. <i>Coordination Chemistry Reviews</i> , 2007, 251, 454-473.	18.8	55
59	Electro- and Photochemical Switching of Dithienylethene Self-Assembled Monolayers on Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1183-1190.	3.1	55
60	Binding of copper(II) polypyridyl complexes to DNA and consequences for DNA-based asymmetric catalysis. <i>Dalton Transactions</i> , 2015, 44, 3647-3655.	3.3	55
61	Emergence of light-driven protometabolism on recruitment of a photocatalytic cofactor by a self-replicator. <i>Nature Chemistry</i> , 2020, 12, 603-607.	13.6	55
62	Proton Controlled Intramolecular Communication in Dinuclear Ruthenium(II) Polypyridine Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 2871-2878.	4.0	54
63	Ruthenium(II) and osmium(II) polypyridyl complexes of an asymmetric pyrazinyl- and pyridinyl-containing 1,2,4-triazole based ligand. Connectivity and physical properties of mononuclear complexes. Electronic supplementary information (ESI) available: ¹ H NMR spectra of 1a and 1b. See http://www.rsc.org/suppdata/dt/b2/b206667j/ . <i>Dalton Transactions RSC</i> , 2002, 4048-4054.	2.3	54
64	Photoswitchable Intramolecular Through-Space Magnetic Interaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 8162-8164.	13.7	54
65	Enhanced selectivity in non-heme iron catalysed oxidation of alkanes with peracids: evidence for involvement of Fe(IV)=O species. <i>Chemical Communications</i> , 2004, 2550-2551.	4.1	53
66	Three-state photochromic switching in a silyl bridged diarylethene dimer. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1170.	2.8	53
67	H ₂ O ₂ Oxidation by Fe(III)-OOH Intermediates and Its Effect on Catalytic Efficiency. <i>ACS Catalysis</i> , 2018, 8, 9665-9674.	11.2	53
68	Photoswitchable Sexithiophene-Based Molecular Wires. <i>Organic Letters</i> , 2009, 11, 721-724.	4.6	52
69	Reversible photochemical control of cholesteric liquid crystals with a diamine-based diarylethene chiroptical switch. <i>Journal of Materials Chemistry</i> , 2011, 21, 3142.	6.7	52
70	Ligand Exchange and Spin State Equilibria of Fe(II)(N4Py) and Related Complexes in Aqueous Media. <i>Inorganic Chemistry</i> , 2012, 51, 900-913.	4.0	52
71	How Can <i>Haecalibacterium prausnitzii</i> Employ Riboflavin for Extracellular Electron Transfer? Antioxidants and Redox Signaling, 2012, 17, 1433-1440.	5.4	52
72	On/Off Photoswitching of the Electropolymerizability of Terthiophenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 12850-12851.	13.7	50

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73	The unexpected role of pyridine-2-carboxylic acid in manganese based oxidation catalysis with pyridin-2-yl based ligands. Dalton Transactions, 2010, 39, 10375.	3.3	50
74	A Dithienylethene-Based Rewritable Hydrogelator. Chemistry - A European Journal, 2014, 20, 3077-3083.	3.3	50
75	Raman scattering and FT-IR spectroscopic studies on dithienylethene switches towards non-destructive optical readout. Organic and Biomolecular Chemistry, 2006, 4, 2387-2392.	2.8	48
76	The effect of peripheral bipyridine ligands on the photocatalytic hydrogen production activity of Ru/Pd catalysts. Dalton Transactions, 2011, 40, 10812.	3.3	47
77	Mechanically Induced Gel Formation. Langmuir, 2013, 29, 8763-8767.	3.5	47
78	Transient Formation and Reactivity of a High-Valent Nickel(IV) Oxido Complex. Journal of the American Chemical Society, 2017, 139, 8718-8724.	13.7	47
79	Selective Catalytic Oxidation of Alcohols, Aldehydes, Alkanes and Alkenes Employing Manganese Catalysts and Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2013, 355, 2591-2603.	4.3	46
80	Carboxylate-bridged dinuclear manganese systems – From catalases to oxidation catalysis. Comptes Rendus Chimie, 2007, 10, 341-354.	0.5	45
81	Kinetic analysis of the thermal isomerisation pathways in an asymmetric double azobenzene switch. Physical Chemistry Chemical Physics, 2012, 14, 4374.	2.8	45
82	Electrochemical Write and Read Functionality through Oxidative Dimerization of Spiropyran Self-Assembled Monolayers on Gold. Journal of Physical Chemistry C, 2013, 117, 18567-18577.	3.1	45
83	Energy Transfer Pathways in Dinuclear Heteroleptic Polypyridyl Complexes: Through-Space vs Through-Bond Interaction Mechanisms. Inorganic Chemistry, 2004, 43, 4471-4481.	4.0	44
84	Manganese catalyzed cis-dihydroxylation of electron deficient alkenes with H ₂ O ₂ . Organic and Biomolecular Chemistry, 2010, 8, 4444.	2.8	44
85	Photochromism and Electrochemistry of a Dithienylcyclopentene Electroactive Polymer. Langmuir, 2008, 24, 6334-6342.	3.5	43
86	Oxidation of Alkenes with H ₂ O ₂ by an in-Situ Prepared Mn(II)/Pyridine-2-carboxylic Acid Catalyst and the Role of Ketones in Activating H ₂ O ₂ . ACS Catalysis, 2012, 2, 1087-1096.	11.2	43
87	The role of bridging ligand in hydrogen generation by photocatalytic Ru/Pd assemblies. Dalton Transactions, 2012, 41, 13050.	3.3	42
88	Manganese-Catalyzed Selective Oxidation of Aliphatic C-H groups and Secondary Alcohols to Ketones with Hydrogen Peroxide. ChemSusChem, 2013, 6, 1774-1778.	6.8	42
89	Oxidative electrochemical aryl C-C coupling of spiropyrans. Chemical Communications, 2013, 49, 6737.	4.1	42
90	Electrochemistry of dithienylethenes and their application in electropolymer modified photo- and redox switchable surfaces. Organic and Biomolecular Chemistry, 2013, 11, 233-243.	2.8	42

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91	Characterisation of the interactions between substrate, copper(II) complex and DNA and their role in rate acceleration in DNA-based asymmetric catalysis. Dalton Transactions, 2015, 44, 3656-3663.	3.3	42
92	Isotope Effects on the Picosecond Time-Resolved Emission Spectroscopy of Tris(2,2'-bipyridine)ruthenium (II). Journal of the American Chemical Society, 2003, 125, 1706-1707.	13.7	41
93	Ground- and Excited-State Electronic Structure of an Emissive Pyrazine-Bridged Ruthenium(II) Dinuclear Complex. Journal of the American Chemical Society, 2005, 127, 1229-1241.	13.7	41
94	Reversible Charge Trapping in Bis-Carbazole-Diimide Redox Polymers with Complete Luminescence Quenching Enabling Nondestructive Read-Out by Resonance Raman Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 14688-14702.	3.1	41
95	Separation and Photophysical Properties of the Λ^2 , Λ^1 , Λ^0 , and Λ^3 Stereoisomers of a Dinuclear Ruthenium(II) Complex. Inorganic Chemistry, 2001, 40, 5461-5464.	4.0	40
96	Remarkable Stability of High Energy Conformers in Self-Assembled Monolayers of a Bistable Electro- and Photoswitchable Overcrowded Alkene. Journal of Physical Chemistry C, 2011, 115, 22965-22975.	3.1	40
97	Routes to Regioselective Deuteration of Heteroaromatic Compounds. Inorganic Chemistry, 2002, 41, 4245-4251.	4.0	38
98	Electrochemical Switching of Conductance with Diarylethene-Based Redox-Active Polymers. Journal of Physical Chemistry C, 2012, 116, 24136-24142.	3.1	38
99	Palladium-Catalyzed Selective Anti-Markovnikov Oxidation of Allylic Esters. Angewandte Chemie - International Edition, 2013, 52, 5561-5565.	13.8	38
100	Identification and Spectroscopic Characterization of Nonheme Iron(III) Hypochlorite Intermediates. Angewandte Chemie - International Edition, 2015, 54, 4357-4361.	13.8	38
101	Subtle Changes to Peripheral Ligands Enable High Turnover Numbers for Photocatalytic Hydrogen Generation with Supramolecular Photocatalysts. Inorganic Chemistry, 2016, 55, 2685-2690.	4.0	38
102	Tuning energy transfer in switchable donor-acceptor systems. Organic and Biomolecular Chemistry, 2008, 6, 1268.	2.8	36
103	Unidirectional Light-Driven Molecular Motors Based on Overcrowded Alkenes. Topics in Current Chemistry, 2014, 354, 139-162.	4.0	36
104	Direct Observation of a Dark State in the Photocycle of a Light-Driven Molecular Motor. Journal of Physical Chemistry A, 2016, 120, 8606-8612.	2.5	36
105	Synthesis, spectroscopic and electrochemical properties of mononuclear and dinuclear bis(bipy)ruthenium(II) complexes containing dimethoxyphenyl(pyridin-2-yl)-1,2,4-triazole ligands. Dalton Transactions RSC, 2002, , 1740.	2.3	35
106	Kinetic analysis of the rotation rate of light-driven unidirectional molecular motors. Physical Chemistry Chemical Physics, 2009, 11, 9124.	2.8	35
107	Supramolecular bimetallic assemblies for photocatalytic hydrogen generation from water. Faraday Discussions, 2015, 185, 143-170.	3.2	35
108	Isolation of a Ru(IV) side-on peroxo intermediate in the water oxidation reaction. Nature Chemistry, 2021, 13, 800-804.	13.6	35

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109	Intramolecular energy transfer in a tetra-coumarin perylene system: influence of solvent and bridging unit on electronic properties. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3354.	2.8	34
110	The role of salicylic acid, l-ascorbic acid and oxalic acid in promoting the oxidation of alkenes with H ₂ O ₂ catalysed by [MnIV ₂ (O) ₃ (tmtacn) ₂] ²⁺ . <i>Dalton Transactions</i> , 2008, , 6283.	3.3	34
111	A Fast, Visible-Light-Sensitive Azobenzene for Bioorthogonal Ligation. <i>Chemistry - A European Journal</i> , 2014, 20, 946-951.	3.3	34
112	A Non-Heme Iron Photocatalyst for Light-Driven Aerobic Oxidation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3207-3211.	13.8	34
113	Structural and photophysical characterisation of coordination and optical isomers of mononuclear ruthenium(ii) polypyridyl 1,2,4-triazole complexes. Electronic supplementary information (ESI) available: analytical and semipreparative HPLC chromatograms, CD and UV/vis spectra. See http://www.rsc.org/suppdata/doi/10.1039/C3DT01961F . <i>Dalton Transactions</i> , 2003, , 2597.	3.3	33
114	Raman scattering and photophysics in spin-state-labile d ₆ metal complexes. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1696-1709.	18.8	33
115	Mechanistic implications of the active species involved in the oxidation of hydrocarbons by iron complexes of pyrazine-2-carboxylic acid. <i>Dalton Transactions</i> , 2008, , 2026.	3.3	33
116	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.	13.7	33
117	Trapping of superoxido cobalt and peroxido dicobalt species formed reversibly from Co ^{II} and O ₂ . <i>Chemical Communications</i> , 2017, 53, 11782-11785.	4.1	33
118	Cooperative light-induced breathing of soft porous crystals via azobenzene buckling. <i>Nature Communications</i> , 2022, 13, 1951.	12.8	33
119	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.	11.2	32
120	Filter paper based SERS substrate for the direct detection of analytes in complex matrices. <i>Analyst</i> , 2021, 146, 1281-1288.	3.5	30
121	Tunable Aggregation and Luminescence of Bis(diarylethene)sexithiophenes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7717-7724.	2.5	29
122	Multiple flow profiles for two-phase flow in single microfluidic channels through site-selective channel coating. <i>Lab on A Chip</i> , 2011, 11, 2030.	6.0	29
123	Hierarchical Self-Assembly of a Biomimetic Light-Harvesting Antenna Based on DNA G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2013, 19, 2457-2461.	3.3	29
124	Assessment of intercomponent interaction in phenylene bridged dinuclear ruthenium(ii) and osmium(ii) polypyridyl complexes. <i>Dalton Transactions</i> , 2004, , 3943.	3.3	28
125	Stereodivergent Chirality Transfer by Noncovalent Control of Disulfide Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 4376-4382.	13.7	27
126	Autonomous Movement of Silica and Glass Micro-Objects Based on a Catalytic Molecular Propulsion System. <i>Chemistry - A European Journal</i> , 2008, 14, 3146-3153.	3.3	26

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127	Dynamic chirality, chirality transfer and aggregation behaviour of dithienylethene switches. <i>Tetrahedron</i> , 2008, 64, 8324-8335.	1.9	26
128	Macromolecules flex their muscles. <i>Nature Nanotechnology</i> , 2008, 3, 383-384.	31.5	26
129	Light and Redox Switchable Molecular Components for Molecular Electronics. <i>Chimia</i> , 2010, 64, 398.	0.6	26
130	Excited State Localization and Internuclear Interactions in Asymmetric Ruthenium(II) and Osmium(II) bpy/tpy Based Dinuclear Compounds. <i>Inorganic Chemistry</i> , 2010, 49, 2799-2807.	4.0	26
131	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6203-6207.	13.8	26
132	Stabilisation of $\frac{1}{4}$ -peroxido-bridged Fe(III) intermediates with non-symmetric bidentate N-donor ligands. <i>Chemical Communications</i> , 2014, 50, 1326-1329.	4.1	25
133	O ₂ Activation and Double C–H Oxidation by a Mononuclear Manganese(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 545-549.	13.8	25
134	The influence of viscosity on the functioning of molecular motors. <i>Faraday Discussions</i> , 2009, 143, 319.	3.2	24
135	Directionality of Ultrafast Electron Transfer in a Hydrogen Evolving Ru–Pd-Based Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20799-20806.	3.1	24
136	Peripheral ligands as electron storage reservoirs and their role in enhancement of photocatalytic hydrogen generation. <i>Chemical Communications</i> , 2016, 52, 9371-9374.	4.1	24
137	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.	4.0	23
138	Photoswitchable molecular wires: From a sexithiophene to a dithienylethene and back. <i>Chemical Physics Letters</i> , 2009, 479, 137-139.	2.6	22
139	In Situ Generation of Wavelength-Shifting Donor–Acceptor Mixed–Monolayer-Modified Surfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6580-6584.	13.8	22
140	Spectroscopic and Magnetic Properties of a Series of $\frac{1}{4}$ -Cyano Bridged Bimetallic Compounds of the Type M ^{II} –NC ⁺ –Fe ^{III} (M = Mn, Co, and Zn) Using the Building Block [Fe ^{III} (CN) ₅ imidazole] ²⁻ . <i>Inorganic Chemistry</i> , 2010, 49, 10557-10570.	4.0	22
141	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.	3.1	22
142	Cold Snapshot of a Molecular Rotary Motor Captured by High-Resolution Rotational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11209-11212.	13.8	22
143	Photoenhanced Oxidative DNA Cleavage with Non-Heme Iron(II) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 11009-11017.	4.0	21
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