

Shunichi Fukuzumi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular Photocatalytic Water Splitting by Mimicking Photosystems I and II. <i>Journal of the American Chemical Society</i> , 2022, 144, 695-700.	6.6	32
2	Acid Catalysis in the Oxidation of Substrates by Mononuclear Manganese(III)â€“Aqua Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 6594-6603.	1.9	5
3	Oxidative <i>versus</i> basic asynchronous hydrogen atom transfer reactions of Mn(ⁱⁱⁱ)-hydroxo and Mn(ⁱⁱⁱ)-aqua complexes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3233-3243.	3.0	4
4	Acid-promoted hydride transfer from an NADH analogue to a Cr(ⁱⁱⁱ)â€“superoxo complex <i>via</i> a proton-coupled hydrogen atom transfer. <i>Dalton Transactions</i> , 2021, 50, 675-680.	1.6	4
5	A Mononuclear Non-Heme Manganese(III)â€“Aqua Complex in Oxygen Atom Transfer Reactions via Electron Transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 1521-1528.	6.6	19
6	A Highly Reactive Chromium(V)â€“Oxo TAMM Cation Radical Complex in Electron Transfer and Oxygen Atom Transfer Reactions. <i>ACS Catalysis</i> , 2021, 11, 2889-2901.	5.5	10
7	Highly Efficient Catalytic Two-Electron Two-Proton Reduction of Dioxygen to Hydrogen Peroxide with a Cobalt Corrole Complex. <i>ACS Catalysis</i> , 2021, 11, 3073-3083.	5.5	41
8	Effects of reaction environments on radical-scavenging mechanisms of ascorbic acid. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2021, 68, 116-122.	0.6	6
9	Biomimetic metal-oxidant adducts as active oxidants in oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213807.	9.5	35
10	Recent progress in production and usage of hydrogen peroxide. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1241-1252.	6.9	51
11	Identifying Intermediates in Electrocatalytic Water Oxidation with a Manganese Corrole Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 14613-14621.	6.6	77
12	Deeper Understanding of Mononuclear Manganese(IV)â€“Oxo Binding Brønsted and Lewis Acids and the Manganese(IV)â€“Hydroxide Complex. <i>Inorganic Chemistry</i> , 2021, 60, 16996-17007.	1.9	16
13	Enthalpyâ€“Entropy Compensation Effect in Oxidation Reactions by Manganese(IV)-Oxo Porphyrins and Nonheme Iron(IV)-Oxo Models. <i>Journal of the American Chemical Society</i> , 2021, 143, 18559-18570.	6.6	16
14	Deuterium kinetic isotope effects as redox mechanistic criterions. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1558-1568.	1.0	24
15	Tunneling in the Hydrogen-Transfer Reaction from a Vitamin E Analog to an Inclusion Complex of 2,2-Diphenyl-1-picrylhydrazyl Radical with β -Cyclodextrin in an Aqueous Buffer Solution at Ambient Temperature. <i>Antioxidants</i> , 2021, 10, 1966.	2.2	2
16	Photocatalytic redox reactions with metalloporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 21-32.	0.4	17
17	Tuning Electron-Transfer Reactivity of a Chromium(III)â€“Superoxo Complex Enabled by Calcium Ion and Other Redox-Inactive Metal Ions. <i>Journal of the American Chemical Society</i> , 2020, 142, 365-372.	6.6	21
18	Photoinduced Generation of Superoxidants for the Oxidation of Substrates with High Câ€“H Bond Dissociation Energies. <i>ChemPhotoChem</i> , 2020, 4, 271-281.	1.5	3

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19	Photocatalytic Hydrogen Evolution from Plastoquinol Analogues as a Potential Functional Model of Photosystem I. <i>Inorganic Chemistry</i> , 2020, 59, 14838-14846.	1.9	10
20	Carotenoid radical ions: A laser flash photolysis study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 212, 112023.	1.7	2
21	Acid Catalysis via Acid-Promoted Electron Transfer. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 1217-1232.	1.0	28
22	Photocatalytic hydrogen evolution using a Ru(ii)-bound heteroaromatic ligand as a reactive site. <i>Dalton Transactions</i> , 2020, 49, 17230-17242.	1.6	11
23	Unprecedented Reactivities of Highly Reactive Manganese(III)-Iodosylarene Porphyrins in Oxidation Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19879-19884.	6.6	17
24	Enhanced Redox Reactivity of a Nonheme Iron(V)-Oxo Complex Binding Proton. <i>Journal of the American Chemical Society</i> , 2020, 142, 15305-15319.	6.6	20
25	A large kinetic isotope effect in the reaction of ascorbic acid with 2-phenyl-4,4,5,5-tetramethylimidazoline-1-oxyl 3-oxide (PTIO TM) in aqueous buffer solutions. <i>Chemical Communications</i> , 2020, 56, 11505-11507.	2.2	13
26	Catalytic Four-Electron Reduction of Dioxygen by Ferrocene Derivatives with a Nonheme Iron(III) TAML Complex. <i>Inorganic Chemistry</i> , 2020, 59, 18010-18017.	1.9	12
27	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. <i>Angewandte Chemie</i> , 2020, 132, 13683-13687.	1.6	2
28	Photocatalytic CO ₂ Reduction Using a Robust Multifunctional Iridium Complex toward the Selective Formation of Formic Acid. <i>Journal of the American Chemical Society</i> , 2020, 142, 10261-10266.	6.6	90
29	Artificial nonheme iron and manganese oxygenases for enantioselective olefin epoxidation and alkane hydroxylation reactions. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213443.	9.5	82
30	Electron-Transfer and Redox Reactivity of High-Valent Iron Imido and Oxo Complexes with the Formal Oxidation States of Five and Six. <i>Journal of the American Chemical Society</i> , 2020, 142, 3891-3904.	6.6	43
31	Bioinspired artificial photosynthesis systems. <i>Tetrahedron</i> , 2020, 76, 131024.	1.0	21
32	Metal ion-coupled electron-transfer reactions of metal-oxygen complexes. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213219.	9.5	47
33	Generation and Electron-Transfer Reactivity of the Long-Lived Photoexcited State of a Manganese(IV)-Oxo-Scandium Nitrate Complex. <i>Israel Journal of Chemistry</i> , 2020, 60, 1049-1056.	1.0	5
34	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13581-13585.	7.2	19
35	Mechanistic dichotomies in redox reactions of mononuclear metal-oxygen intermediates. <i>Chemical Society Reviews</i> , 2020, 49, 8988-9027.	18.7	61
36	Review-Two Different Multiple Photosynthetic Reaction Centers Using Either Zinc Porphyrinic Oligopeptide-Fulleropyrrolidine or Free-Base Porphyrinic Polypeptide-Li ⁺ @C60 Supramolecular Complexes. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 061026.	0.9	2

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37	Catalytic recycling of NAD(P)H. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110777.	1.5	38
38	Highly Reactive Manganese(IV)-Oxo Porphyrins Showing Temperature-Dependent Reversed Electronic Effect in C-H Bond Activation Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 12187-12191.	6.6	53
39	A Pyropheophorbide Analogue Containing a Fused Methoxy Cyclohexenone Ring System Shows Promising Cancer Imaging Ability. <i>ChemMedChem</i> , 2019, 14, 1503-1513.	1.6	6
40	Photocatalytic Oxygenation Reactions Using Water and Dioxygen. <i>ChemSusChem</i> , 2019, 12, 3931-3940.	3.6	33
41	Regioselective Oxybromination of Benzene and Its Derivatives by Bromide Anion with a Mononuclear Nonheme Mn(IV)-Oxo Complex. <i>Inorganic Chemistry</i> , 2019, 58, 14299-14303.	1.9	8
42	A High-Valent Manganese(IV)-Oxo-Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. <i>Angewandte Chemie</i> , 2019, 131, 16270-16275.	1.6	7
43	A High-Valent Manganese(IV)-Oxo-Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16124-16129.	7.2	34
44	Singly Unified Driving Force Dependence of Outer-Sphere Electron-Transfer Pathways of Nonheme Manganese(IV)-Oxo Complexes in the Absence and Presence of Lewis Acids. <i>Inorganic Chemistry</i> , 2019, 58, 13761-13765.	1.9	16
45	Kinetics and mechanisms of catalytic water oxidation. <i>Dalton Transactions</i> , 2019, 48, 779-798.	1.6	42
46	Aromatic hydroxylation of anthracene derivatives by a chromium(III)-superoxo complex via proton-coupled electron transfer. <i>Chemical Communications</i> , 2019, 55, 8286-8289.	2.2	1
47	Small Reorganization Energy for Ligand-Centered Electron-Transfer Reduction of Compound I to Compound II in a Heme Model Study. <i>Inorganic Chemistry</i> , 2019, 58, 8263-8266.	1.9	12
48	Photocatalytic Oxygenation Reactions with a Cobalt Porphyrin Complex Using Water as an Oxygen Source and Dioxygen as an Oxidant. <i>Journal of the American Chemical Society</i> , 2019, 141, 9155-9159.	6.6	34
49	A Diprotonated Porphyrin as an Electron Mediator in Photoinduced Electron Transfer in Hydrogen-Bonded Supramolecular Assemblies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11529-11538.	1.5	6
50	Structure and reactivity of the first-row d-block metal-superoxo complexes. <i>Dalton Transactions</i> , 2019, 48, 9469-9489.	1.6	50
51	Tunneling Controls the Reaction Pathway in the Deformylation of Aldehydes by a Nonheme Iron(III)-Hydroperoxo Complex: Hydrogen Atom Abstraction versus Nucleophilic Addition. <i>Journal of the American Chemical Society</i> , 2019, 141, 7675-7679.	6.6	31
52	Photodriven Oxidation of Water by Plastoquinone Analogs with a Nonheme Iron Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 6748-6754.	6.6	25
53	Synthesis and radical-scavenging activity of C-methylated fisetin analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1720-1727.	1.4	7
54	Redox Reactivity of a Mononuclear Manganese-Oxo Complex Binding Calcium Ion and Other Redox-Inactive Metal Ions. <i>Journal of the American Chemical Society</i> , 2019, 141, 1324-1336.	6.6	70

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55	A Mononuclear Nonheme Iron(IV)â€“Amido Complex Relevant for the Compound II Chemistry of Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2019, 141, 80-83.	6.6	22
56	Unified Mechanism of Oxygen Atom Transfer and Hydrogen Atom Transfer Reactions with a Triflic Acid-Bound Nonheme Manganese(IV)â€“Oxo Complex via Outer-Sphere Electron Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 2614-2622.	6.6	38
57	Frontispiece: Solar-Driven Production of Hydrogen Peroxide from Water and Dioxygen. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	1
58	Amphoteric reactivity of metalâ€“oxygen complexes in oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2018, 365, 41-59.	9.5	85
59	Thermal and photocatalytic oxidation of organic substrates by dioxygen with water as an electron source. <i>Green Chemistry</i> , 2018, 20, 948-963.	4.6	19
60	Assemblies of Boron Dipyrromethene/Porphyrin, Phthalocyanine, and C ₆₀ Moieties as Artificial Models of Photosynthesis: Synthesis, Supramolecular Interactions, and Photophysical Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 3862-3872.	1.7	16
61	A supramolecular photocatalyst composed of a polyoxometalate and a photosensitizing water-soluble porphyrin diacid for the oxidation of organic substrates in water. <i>Green Chemistry</i> , 2018, 20, 1975-1980.	4.6	38
62	Solarâ€“Driven Production of Hydrogen Peroxide from Water and Dioxygen. <i>Chemistry - A European Journal</i> , 2018, 24, 5016-5031.	1.7	106
63	Thermal and photocatalytic production of hydrogen with earth-abundant metal complexes. <i>Coordination Chemistry Reviews</i> , 2018, 355, 54-73.	9.5	116
64	Immobilization of Molecular Catalysts for Enhanced Redox Catalysis. <i>ChemCatChem</i> , 2018, 10, 1686-1702.	1.8	35
65	A Triphenylamineâ€“Naphthalenediimideâ€“Fullerene Triad: Synthesis, Photoinduced Charge Separation and Solutionâ€“Processable Bulk Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 220-226.	1.3	12
66	Artificial Photosynthesis for Production of ATP, NAD(P)H, and Hydrogen Peroxide. <i>ChemPhotoChem</i> , 2018, 2, 121-135.	1.5	29
67	Inter- and Intramolecular Electron-Transfer Reduction Properties of Coronenediimide Derivatives via Photoinduced Processes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13333-13346.	1.5	8
68	Mechanisms of Twoâ€“Electron versus Fourâ€“Electron Reduction of Dioxygen Catalyzed by Earthâ€“Abundant Metal Complexes. <i>ChemCatChem</i> , 2018, 10, 9-28.	1.8	82
69	Photoexcited state chemistry of metalâ€“oxygen complexes. <i>Dalton Transactions</i> , 2018, 47, 16019-16026.	1.6	8
70	A Mononuclear Non-heme Manganese(III)â€“Aqua Complex as a New Active Oxidant in Hydrogen Atom Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12695-12699.	6.6	34
71	Mimicry and functions of photosynthetic reaction centers. <i>Biochemical Society Transactions</i> , 2018, 46, 1279-1288.	1.6	26
72	Hydrogen Atom Transfer Reactions of Mononuclear Nonheme Metalâ€“Oxygen Intermediates. <i>Accounts of Chemical Research</i> , 2018, 51, 2014-2022.	7.6	94

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73	Mechanistic Insights into Homogeneous Electrocatalytic and Photocatalytic Hydrogen Evolution Catalyzed by High-Spin Ni(II) Complexes with S ₂ N ₂ -Type Tetradentate Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 7180-7190.	1.9	47
74	Mechanisms of catalytic reduction of CO ₂ with heme and nonheme metal complexes. <i>Chemical Science</i> , 2018, 9, 6017-6034.	3.7	105
75	Remarkable Acid Catalysis in Proton-Coupled Electron-Transfer Reactions of a Chromium(III)-Superoxo Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 8372-8375.	6.6	27
76	Mn(III)-Iodosylarene Porphyrins as an Active Oxidant in Oxidation Reactions: Synthesis, Characterization, and Reactivity Studies. <i>Inorganic Chemistry</i> , 2018, 57, 10232-10240.	1.9	30
77	Enhanced Electron-Transfer Reactivity of a Long-Lived Photoexcited State of a Cobalt ^{II} -Oxygen Complex. <i>Inorganic Chemistry</i> , 2018, 57, 10945-10952.	1.9	14
78	Long-Lived Photoexcited State of a Mn(IV)-Oxo Complex Binding Scandium Ions That is Capable of Hydroxylating Benzene. <i>Journal of the American Chemical Society</i> , 2018, 140, 8405-8409.	6.6	39
79	Selective CO Production in Photoelectrochemical Reduction of CO ₂ with a Cobalt Chlorin Complex Adsorbed on Multiwalled Carbon Nanotubes in Water. <i>ACS Energy Letters</i> , 2017, 2, 532-536.	8.8	40
80	Nanocarbons as Electron Donors and Acceptors in Photoinduced Electron-Transfer Reactions. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3055-M3061.	0.9	17
81	Solar energy conversion: From natural to artificial photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 31, 36-83.	5.6	228
82	Dual function photocatalysis of cyano-bridged heteronuclear metal complexes for water oxidation and two-electron reduction of dioxygen to produce hydrogen peroxide as a solar fuel. <i>Chemical Communications</i> , 2017, 53, 3473-3476.	2.2	37
83	Photocatalytic water oxidation by persulphate with a Ca ²⁺ ion-incorporated polymeric cobalt cyanide complex affording O ₂ with 200% quantum efficiency. <i>Chemical Communications</i> , 2017, 53, 3418-3421.	2.2	26
84	Thermodynamics and Photodynamics of a Monoprotonated Porphyrin Directly Stabilized by Hydrogen Bonding with Polar Protic Solvents. <i>Chemistry - A European Journal</i> , 2017, 23, 4669-4679.	1.7	13
85	A Chromium(III)-Superoxo Complex as a Three-Electron Oxidant with a Large Tunneling Effect in Multi-Electron Oxidation of NADH Analogues. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3510-3515.	7.2	17
86	Selective Oxygenation of Cyclohexene by Dioxygen via an Iron(V)-Oxo Complex-Autocatalyzed Reaction. <i>Inorganic Chemistry</i> , 2017, 56, 5096-5104.	1.9	46
87	Multi-Electron Oxidation of Anthracene Derivatives by Nonheme Manganese(IV)-Oxo Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 7125-7131.	1.7	22
88	Synthesis of methylated quercetin analogues for enhancement of radical-scavenging activity. <i>RSC Advances</i> , 2017, 7, 17968-17979.	1.7	15
89	Tunneling Effect That Changes the Reaction Pathway from Epoxidation to Hydroxylation in the Oxidation of Cyclohexene by a Compound I Model of Cytochrome P450. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1557-1561.	2.1	23
90	A Chromium(III)-Superoxo Complex as a Three-Electron Oxidant with a Large Tunneling Effect in Multi-Electron Oxidation of NADH Analogues. <i>Angewandte Chemie</i> , 2017, 129, 3564-3569.	1.6	5

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91	Fine Control of the Redox Reactivity of a Nonheme Iron(III)â€“Peroxo Complex by Binding Redoxâ€“Inactive Metal Ions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 801-805.	7.2	46
92	Fine Control of the Redox Reactivity of a Nonheme Iron(III)â€“Peroxo Complex by Binding Redoxâ€“Inactive Metal Ions. <i>Angewandte Chemie</i> , 2017, 129, 819-823.	1.6	9
93	Production of Liquid Solar Fuels and Their Use in Fuel Cells. <i>Joule</i> , 2017, 1, 689-738.	11.7	149
94	Dioxygen Activation and Oâ€“O Bond Formation Reactions by Manganese Corroles. <i>Journal of the American Chemical Society</i> , 2017, 139, 15858-15867.	6.6	60
95	Photocatalytic oxidation of benzene to phenol using dioxygen as an oxygen source and water as an electron source in the presence of a cobalt catalyst. <i>Chemical Science</i> , 2017, 8, 7119-7125.	3.7	65
96	Fuel Production from Seawater and Fuel Cells Using Seawater. <i>ChemSusChem</i> , 2017, 10, 4264-4276.	3.6	93
97	A subphthalocyanineâ€“pyrene dyad: electron transfer and singlet oxygen generation. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1512-1518.	1.6	11
98	Bicyclic Baird-type aromaticity. <i>Nature Chemistry</i> , 2017, 9, 1243-1248.	6.6	71
99	Direct oxygen atom transfer versus electron transfer mechanisms in the phosphine oxidation by nonheme Mn(ν)-oxo complexes. <i>Chemical Communications</i> , 2017, 53, 9352-9355.	2.2	19
100	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. <i>Chemical Communications</i> , 2017, 53, 9898-9901.	2.2	6
101	The sensitivity of donor â€“ acceptor charge transfer to molecular geometry in DAN â€“ NDI based supramolecular flower-like self-assemblies. <i>Scientific Reports</i> , 2017, 7, 16501.	1.6	28
102	Autocatalytic dioxygen activation to produce an iron(ν)-oxo complex without any reductants. <i>Chemical Communications</i> , 2017, 53, 8348-8351.	2.2	17
103	Photoinduced Electron Transfer in 9â€“Substituted 10â€“Methylacridinium Ions. <i>Chemistry - A European Journal</i> , 2017, 23, 1306-1317.	1.7	45
104	Dihydroxylation of styrene by sodium chlorite with scandium triflate. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3619.	0.9	11
105	High-valent metal-oxo complexes generated in catalytic oxidation reactions using water as an oxygen source. <i>Coordination Chemistry Reviews</i> , 2017, 333, 44-56.	9.5	62
106	Enhanced Electron Transfer Reactivity of a Nonheme Iron(IV)â€“Imido Complex as Compared to the Iron(IV)â€“Oxo Analogue. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3709-3713.	7.2	27
107	Aromatic Monochlorination Photosensitized by DDQ with Hydrogen Chloride under Visibleâ€“Light Irradiation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 996-999.	1.7	21
108	Photoinduced Processes of Supramolecular Nanoarrays Composed of Porphyrin and Benzo[ghi]perylene-triimide Units through Triple Hydrogen Bonds with Oneâ€“Dimensional Columnar Phases. <i>Chemistry - an Asian Journal</i> , 2016, 11, 613-624.	1.7	9

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109	Controllable Threshold Voltage in Organic Complementary Logic Circuits with an Electron-Trapping Polymer and Photoactive Gate Dielectric Layer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18249-18255.	4.0	12
110	Switchover of the Mechanism between Electron Transfer and Hydrogen-Atom Transfer for a Protonated Manganese(IV)-Oxo Complex by Changing Only the Reaction Temperature. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7450-7454.	7.2	44
111	Cyclic Tetramers of Zinc Chlorophylls as a Coupled Light-Harvesting Antenna-Charge Separation System. <i>Chemistry - A European Journal</i> , 2016, 22, 1165-1176.	1.7	15
112	Photocatalytic oxidation of iron(II) complexes by dioxygen using 9-mesityl-10-methylacridinium ions. <i>Chemical Communications</i> , 2016, 52, 6178-6180.	2.2	6
113	Synthetic control over intra- and intermolecular charge transfer can turn on the fluorescence emission of non-emissive coumarin. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4556-4567.	2.7	37
114	Peroxo and Superoxo Moieties Bound to Copper Ion: Electron-Transfer Equilibrium with a Small Reorganization Energy. <i>Journal of the American Chemical Society</i> , 2016, 138, 7055-7066.	6.6	52
115	Thermal and photoinduced electron-transfer catalysis of high-valent metal-oxo porphyrins in oxidation of substrates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 35-44.	0.4	11
116	An effective preparation method of composite photocatalysts for hydrogen evolution using an organic photosensitizer and metal particles assembled on alumina-silica. <i>Catalysis Today</i> , 2016, 278, 303-311.	2.2	8
117	Two-phase oxidation of toluene derivatives by dioxygen using the 3-cyano-1-decylquinolinium ion as a photocatalyst. <i>RSC Advances</i> , 2016, 6, 41011-41014.	1.7	14
118	Production of hydrogen peroxide by combination of semiconductor-photocatalysed oxidation of water and photocatalytic two-electron reduction of dioxygen. <i>RSC Advances</i> , 2016, 6, 42041-42044.	1.7	26
119	Axially Substituted Silicon Phthalocyanine as Electron Donor in a Dyad and Triad with Azafullerene as Electron Acceptor for Photoinduced Charge Separation. <i>Chemistry - A European Journal</i> , 2016, 22, 15137-15143.	1.7	15
120	Hydrogen Peroxide used as a Solar Fuel in One-Compartment Fuel Cells. <i>ChemElectroChem</i> , 2016, 3, 1978-1989.	1.7	84
121	A Bispidine Iron(IV)-Oxo Complex in the Entatic State. <i>Angewandte Chemie</i> , 2016, 128, 11295-11299.	1.6	9
122	Catalytic Hydroxylation of Benzene to Phenol by Dioxygen with an NADH Analogue. <i>Chemistry - A European Journal</i> , 2016, 22, 12904-12909.	1.7	20
123	A Bispidine Iron(IV)-Oxo Complex in the Entatic State. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11129-11133.	7.2	41
124	Aluminium ion-promoted radical-scavenging reaction of methylated hydroquinone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7956-7961.	1.5	8
125	Light harvesting a gold porphyrin-zinc phthalocyanine supramolecular donor-acceptor dyad. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1340-1346.	1.6	20
126	Catalytic reduction of proton, oxygen and carbon dioxide with cobalt macrocyclic complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 935-949.	0.4	18

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127	Light harvesting subphthalocyanine-ferrocene dyads: Fast electron transfer process studied by femtosecond laser photolysis. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1148-1155.	0.4	7
128	Photocatalytic Asymmetric Epoxidation of Terminal Olefins Using Water as an Oxygen Source in the Presence of a Mononuclear Non-Heme Chiral Manganese Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 15857-15860.	6.6	61
129	Factors Controlling the Chemoselectivity in the Oxidation of Olefins by Nonheme Manganese(IV)-Oxo Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 10654-10663.	6.6	52
130	Solvent-Free Photooxidation of Alkanes by Dioxygen with 2,3-Dichloro-5,6-dicyano-p-benzoquinone via Photoinduced Electron Transfer. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2255-2259.	1.7	15
131	Synthetically tuneable biomimetic artificial photosynthetic reaction centres that closely resemble the natural system in purple bacteria. <i>Chemical Science</i> , 2016, 7, 6534-6550.	3.7	22
132	Catalytic Formation of Hydrogen Peroxide from Coenzyme NADH and Dioxygen with a Water-Soluble Iridium Complex and a Ubiquinone Coenzyme Analogue. <i>Inorganic Chemistry</i> , 2016, 55, 7747-7754.	1.9	19
133	Efficient Photocatalytic Production of Hydrogen Peroxide from Water and Dioxygen with Bismuth Vanadate and a Cobalt(II) Chlorin Complex. <i>ACS Energy Letters</i> , 2016, 1, 913-919.	8.8	98
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