Shunichi Fukuzumi

List of Publications by Year in descending order

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562 papers	39,003 citations	1704 104 h-index	6471 157 g-index
592 all docs	592 docs citations	592 times ranked	21816 citing authors

#	Article	IF	Citations
1	Molecular Photocatalytic Water Splitting by Mimicking Photosystems I and II. Journal of the American Chemical Society, 2022, 144, 695-700.	13.7	32
2	Acid Catalysis in the Oxidation of Substrates by Mononuclear Manganese(III)â€“Aqua Complexes. Inorganic Chemistry, 2022, 61, 6594-6603.	4.0	5
3	Oxidative versus basic asynchronous hydrogen atom transfer reactions of Mn(<scp>iii</scp>)-hydroxo and Mn(<scp>iii</scp>)-aqua complexes. Inorganic Chemistry Frontiers, 2022, 9, 3233-3243.	6.0	4
4	Acid-promoted hydride transfer from an NADH analogue to a Cr(<scp>iii</scp>)â€“superoxo complex via a proton-coupled hydrogen atom transfer. Dalton Transactions, 2021, 50, 675-680.	3.3	4
5	A Mononuclear Non-Heme Manganese(III)â€“Aqua Complex in Oxygen Atom Transfer Reactions via Electron Transfer. Journal of the American Chemical Society, 2021, 143, 1521-1528.	13.7	19
6	A Highly Reactive Chromium(V)â€“Oxo TAML Cation Radical Complex in Electron Transfer and Oxygen Atom Transfer Reactions. ACS Catalysis, 2021, 11, 2889-2901.	11.2	10
7	Highly Efficient Catalytic Two-Electron Two-Proton Reduction of Dioxygen to Hydrogen Peroxide with a Cobalt Corrole Complex. ACS Catalysis, 2021, 11, 3073-3083.	11.2	41
8	Effects of reaction environments on radical-scavenging mechanisms of ascorbic acid. Journal of Clinical Biochemistry and Nutrition, 2021, 68, 116-122.	1.4	6
9	Biomimetic metal-oxidant adducts as active oxidants in oxidation reactions. Coordination Chemistry Reviews, 2021, 435, 213807.	18.8	35
10	Recent progress in production and usage of hydrogen peroxide. Chinese Journal of Catalysis, 2021, 42, 1241-1252.	14.0	51
11	Identifying Intermediates in Electrocatalytic Water Oxidation with a Manganese Corrole Complex. Journal of the American Chemical Society, 2021, 143, 14613-14621.	13.7	77
12	Deeper Understanding of Mononuclear Manganese(IV)â€“Oxo Binding BrÃ¸nsted and Lewis Acids and the Manganese(IV)â€“Hydroxide Complex. Inorganic Chemistry, 2021, 60, 16996-17007.	4.0	16
13	Enthalpyâ€“Entropy Compensation Effect in Oxidation Reactions by Manganese(IV)-Oxo Porphyrins and Nonheme Iron(IV)-Oxo Models. Journal of the American Chemical Society, 2021, 143, 18559-18570.	13.7	16
14	Deuterium kinetic isotope effects as redox mechanistic criterions. Bulletin of the Korean Chemical Society, 2021, 42, 1558-1568.	1.9	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 Î²-Cyclodextrin in an Aqueous Buffer Solution at Ambient Temperature. Antioxidants, 2021, 10, 1966.	5.1	2
16	Photocatalytic redox reactions with metalloporphyrins. Journal of Porphyrins and Phthalocyanines, 2020, 24, 21-32.	0.8	17
17	Tuning Electron-Transfer Reactivity of a Chromium(III)â€“Superoxo Complex Enabled by Calcium Ion and Other Redox-Inactive Metal Ions. Journal of the American Chemical Society, 2020, 142, 365-372.	13.7	21
18	Photoinduced Generation of Superoxidants for the Oxidation of Substrates with High Câˆ’H Bond Dissociation Energies. ChemPhotoChem, 2020, 4, 271-281.	3.0	3

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19	Photocatalytic Hydrogen Evolution from Plastoquinol Analogues as a Potential Functional Model of Photosystem I. Inorganic Chemistry, 2020, 59, 14838-14846.	4.0	10
20	Carotenoid radical ions: A laser flash photolysis study. Journal of Photochemistry and Photobiology B: Biology, 2020, 212, 112023.	3.8	2
21	Acid Catalysis via Acidâ€Promoted Electron Transfer. Bulletin of the Korean Chemical Society, 2020, 41, 1217-1232.	1.9	28
22	Photocatalytic hydrogen evolution using a Ru(ii)-bound heteroaromatic ligand as a reactive site. Dalton Transactions, 2020, 49, 17230-17242.	3.3	11
23	Unprecedented Reactivities of Highly Reactive Manganese(III)â€“Iodosylarene Porphyrins in Oxidation Reactions. Journal of the American Chemical Society, 2020, 142, 19879-19884.	13.7	17
24	Enhanced Redox Reactivity of a Nonheme Iron(V)â€“Oxo Complex Binding Proton. Journal of the American Chemical Society, 2020, 142, 15305-15319.	13.7	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 (PTIOË™) in aqueous buffer solutions. Chemical Communications, 2020, 56, 11505-11507.	4.1	13
26	Catalytic Four-Electron Reduction of Dioxygen by Ferrocene Derivatives with a Nonheme Iron(III) TAML Complex. Inorganic Chemistry, 2020, 59, 18010-18017.	4.0	12
27	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. Angewandte Chemie, 2020, 132, 13683-13687.	2.0	2
28	Photocatalytic CO₂ Reduction Using a Robust Multifunctional Iridium Complex toward the Selective Formation of Formic Acid. Journal of the American Chemical Society, 2020, 142, 10261-10266.	13.7	90
29	Artificial nonheme iron and manganese oxygenases for enantioselective olefin epoxidation and alkane hydroxylation reactions. Coordination Chemistry Reviews, 2020, 421, 213443.	18.8	82
30	Electron-Transfer and Redox Reactivity of High-Valent Iron Imido and Oxo Complexes with the Formal Oxidation States of Five and Six. Journal of the American Chemical Society, 2020, 142, 3891-3904.	13.7	43
31	Bioinspired artificial photosynthesis systems. Tetrahedron, 2020, 76, 131024.	1.9	21
32	Metal ion-coupled electron-transfer reactions of metal-oxygen complexes. Coordination Chemistry Reviews, 2020, 410, 213219.	18.8	47
33	Generation and Electronâ€Transfer Reactivity of the Longâ€Lived Photoexcited State of a Manganese(IV)â€Oxoâ€Scandium Nitrate Complex. Israel Journal of Chemistry, 2020, 60, 1049-1056.	2.3	5
34	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. Angewandte Chemie - International Edition, 2020, 59, 13581-13585.	13.8	19
35	Mechanistic dichotomies in redox reactions of mononuclear metalâ€“oxygen intermediates. Chemical Society Reviews, 2020, 49, 8988-9027.	38.1	61
36	Reviewâ€”Two Different Multiple Photosynthetic Reaction Centers Using Either Zinc Porphyrinic Oligopeptide-Fulleropyrrolidine or Free-Base Porphyrinic Polypeptide-Li+@C60 Supramolecular Complexes. ECS Journal of Solid State Science and Technology, 2020, 9, 061026.	1.8	2

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37	Catalytic recycling of NAD(P)H. Journal of Inorganic Biochemistry, 2019, 199, 110777.	3.5	38
38	Highly Reactive Manganese(IV)-Oxo Porphyrins Showing Temperature-Dependent Reversed Electronic Effect in Câ€“H Bond Activation Reactions. Journal of the American Chemical Society, 2019, 141, 12187-12191.	13.7	53
39	A Pyropheophorbide Analogue Containing a Fused Methoxy Cyclohexenone Ring System Shows Promising Cancerâ€Imaging Ability. ChemMedChem, 2019, 14, 1503-1513.	3.2	6
40	Photocatalytic Oxygenation Reactions Using Water and Dioxygen. ChemSusChem, 2019, 12, 3931-3940.	6.8	33
41	Regioselective Oxybromination of Benzene and Its Derivatives by Bromide Anion with a Mononuclear Nonheme Mn(IV)â€“Oxo Complex. Inorganic Chemistry, 2019, 58, 14299-14303.	4.0	8
42	A Highâ€Valent Manganese(IV)â€“Oxoâ€“Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. Angewandte Chemie, 2019, 131, 16270-16275.	2.0	7
43	A Highâ€Valent Manganese(IV)â€“Oxoâ€“Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. Angewandte Chemie - International Edition, 2019, 58, 16124-16129.	13.8	34
44	Singly Unified Driving Force Dependence of Outer-Sphere Electron-Transfer Pathways of Nonheme Manganese(IV)â^'Oxo Complexes in the Absence and Presence of Lewis Acids. Inorganic Chemistry, 2019, 58, 13761-13765.	4.0	16
45	Kinetics and mechanisms of catalytic water oxidation. Dalton Transactions, 2019, 48, 779-798.	3.3	42
46	Aromatic hydroxylation of anthracene derivatives by a chromium(<scp>iii</scp>)-superoxo complex via proton-coupled electron transfer. Chemical Communications, 2019, 55, 8286-8289.	4.1	1
47	Small Reorganization Energy for Ligand-Centered Electron-Transfer Reduction of Compound I to Compound II in a Heme Model Study. Inorganic Chemistry, 2019, 58, 8263-8266.	4.0	12
48	Photocatalytic Oxygenation Reactions with a Cobalt Porphyrin Complex Using Water as an Oxygen Source and Dioxygen as an Oxidant. Journal of the American Chemical Society, 2019, 141, 9155-9159.	13.7	34
49	A Diprotonated Porphyrin as an Electron Mediator in Photoinduced Electron Transfer in Hydrogen-Bonded Supramolecular Assemblies. Journal of Physical Chemistry C, 2019, 123, 11529-11538.	3.1	6
50	Structure and reactivity of the first-row d-block metal-superoxo complexes. Dalton Transactions, 2019, 48, 9469-9489.	3.3	50
51	Tunneling Controls the Reaction Pathway in the Deformylation of Aldehydes by a Nonheme Iron(III)â€“Hydroperoxo Complex: Hydrogen Atom Abstraction versus Nucleophilic Addition. Journal of the American Chemical Society, 2019, 141, 7675-7679.	13.7	31
52	Photodriven Oxidation of Water by Plastoquinone Analogs with a Nonheme Iron Catalyst. Journal of the American Chemical Society, 2019, 141, 6748-6754.	13.7	25
53	Synthesis and radical-scavenging activity of C-methylated fisetin analogues. Bioorganic and Medicinal Chemistry, 2019, 27, 1720-1727.	3.0	7
54	Redox Reactivity of a Mononuclear Manganese-Oxo Complex Binding Calcium Ion and Other Redox-Inactive Metal Ions. Journal of the American Chemical Society, 2019, 141, 1324-1336.	13.7	70

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55	A Mononuclear Nonheme Iron(IV)â€“Amido Complex Relevant for the Compound II Chemistry of Cytochrome P450. Journal of the American Chemical Society, 2019, 141, 80-83.	13.7	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. Journal of the American Chemical Society, 2019, 141, 2614-2622.	13.7	38
57	Frontispiece: Solar-Driven Production of Hydrogen Peroxide from Water and Dioxygen. Chemistry - A European Journal, 2018, 24, .	3.3	1
58	Amphoteric reactivity of metalâ€“oxygen complexes in oxidation reactions. Coordination Chemistry Reviews, 2018, 365, 41-59.	18.8	85
59	Thermal and photocatalytic oxidation of organic substrates by dioxygen with water as an electron source. Green Chemistry, 2018, 20, 948-963.	9.0	19
60	Assemblies of Boron Dipyrromethene/Porphyrin, Phthalocyanine, and C₆₀ Moieties as Artificial Models of Photosynthesis: Synthesis, Supramolecular Interactions, and Photophysical Studies. Chemistry - A European Journal, 2018, 24, 3862-3872.	3.3	16
61	A supramolecular photocatalyst composed of a polyoxometalate and a photosensitizing water-soluble porphyrin diacid for the oxidation of organic substrates in water. Green Chemistry, 2018, 20, 1975-1980.	9.0	38
62	Solarâ€Driven Production of Hydrogen Peroxide from Water and Dioxygen. Chemistry - A European Journal, 2018, 24, 5016-5031.	3.3	106
63	Thermal and photocatalytic production of hydrogen with earth-abundant metal complexes. Coordination Chemistry Reviews, 2018, 355, 54-73.	18.8	116
64	Immobilization of Molecular Catalysts for Enhanced Redox Catalysis. ChemCatChem, 2018, 10, 1686-1702.	3.7	35
65	A Triphenylamineâ€“Naphthalenediimideâ€“Fullerene Triad: Synthesis, Photoinduced Charge Separation and Solutionâ€Processable Bulk Heterojunction Solar Cells. Asian Journal of Organic Chemistry, 2018, 7, 220-226.	2.7	12
66	Artificial Photosynthesis for Production of ATP, NAD(P)H, and Hydrogen Peroxide. ChemPhotoChem, 2018, 2, 121-135.	3.0	29
67	Inter- and Intramolecular Electron-Transfer Reduction Properties of Coronenediimide Derivatives via Photoinduced Processes. Journal of Physical Chemistry C, 2018, 122, 13333-13346.	3.1	8
68	Mechanisms of Twoâ€Electron versus Fourâ€Electron Reduction of Dioxygen Catalyzed by Earthâ€Abundant Metal Complexes. ChemCatChem, 2018, 10, 9-28.	3.7	82
69	Photoexcited state chemistry of metalâ€“oxygen complexes. Dalton Transactions, 2018, 47, 16019-16026.	3.3	8
70	A Mononuclear Non-heme Manganese(III)â€“Aqua Complex as a New Active Oxidant in Hydrogen Atom Transfer Reactions. Journal of the American Chemical Society, 2018, 140, 12695-12699.	13.7	34
71	Mimicry and functions of photosynthetic reaction centers. Biochemical Society Transactions, 2018, 46, 1279-1288.	3.4	26
72	Hydrogen Atom Transfer Reactions of Mononuclear Nonheme Metalâ€“Oxygen Intermediates. Accounts of Chemical Research, 2018, 51, 2014-2022.	15.6	94

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73	Mechanistic Insights into Homogeneous Electrocatalytic and Photocatalytic Hydrogen Evolution Catalyzed by High-Spin Ni(II) Complexes with S₂N₂-Type Tetradentate Ligands. Inorganic Chemistry, 2018, 57, 7180-7190.	4.0	47
74	Mechanisms of catalytic reduction of CO₂ with heme and nonheme metal complexes. Chemical Science, 2018, 9, 6017-6034.	7.4	105
75	Remarkable Acid Catalysis in Proton-Coupled Electron-Transfer Reactions of a Chromium(III)-Superoxo Complex. Journal of the American Chemical Society, 2018, 140, 8372-8375.	13.7	27
76	Mn(III)-Iodosylarene Porphyrins as an Active Oxidant in Oxidation Reactions: Synthesis, Characterization, and Reactivity Studies. Inorganic Chemistry, 2018, 57, 10232-10240.	4.0	30
77	Enhanced Electron-Transfer Reactivity of a Long-Lived Photoexcited State of a Cobaltâ€“Oxygen Complex. Inorganic Chemistry, 2018, 57, 10945-10952.	4.0	14
78	Long-Lived Photoexcited State of a Mn(IV)-Oxo Complex Binding Scandium Ions That is Capable of Hydroxylating Benzene. Journal of the American Chemical Society, 2018, 140, 8405-8409.	13.7	39
79	Selective CO Production in Photoelectrochemical Reduction of CO₂ with a Cobalt Chlorin Complex Adsorbed on Multiwalled Carbon Nanotubes in Water. ACS Energy Letters, 2017, 2, 532-536.	17.4	40
80	Nanocarbons as Electron Donors and Acceptors in Photoinduced Electron-Transfer Reactions. ECS Journal of Solid State Science and Technology, 2017, 6, M3055-M3061.	1.8	17
81	Solar energy conversion: From natural to artificial photosynthesis. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 31, 36-83.	11.6	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. Chemical Communications, 2017, 53, 3473-3476.	4.1	37
83	Photocatalytic water oxidation by persulphate with a Ca²⁺ ion-incorporated polymeric cobalt cyanide complex affording O₂ with 200% quantum efficiency. Chemical Communications, 2017, 53, 3418-3421.	4.1	26
84	Thermodynamics and Photodynamics of a Monoprotonated Porphyrin Directly Stabilized by Hydrogen Bonding with Polar Protic Solvents. Chemistry - A European Journal, 2017, 23, 4669-4679.	3.3	13
85	A Chromium(III)-Superoxo Complex as a Three-Electron Oxidant with a Large Tunneling Effect in Multi-Electron Oxidation of NADH Analogues. Angewandte Chemie - International Edition, 2017, 56, 3510-3515.	13.8	17
86	Selective Oxygenation of Cyclohexene by Dioxygen via an Iron(V)-Oxo Complex-Autocatalyzed Reaction. Inorganic Chemistry, 2017, 56, 5096-5104.	4.0	46
87	Multiâ€Electron Oxidation of Anthracene Derivatives by Nonheme Manganese(IV)â€Oxo Complexes. Chemistry - A European Journal, 2017, 23, 7125-7131.	3.3	22
88	Synthesis of methylated quercetin analogues for enhancement of radical-scavenging activity. RSC Advances, 2017, 7, 17968-17979.	3.6	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. Journal of Physical Chemistry Letters, 2017, 8, 1557-1561.	4.6	23
90	A Chromium(III)-Superoxo Complex as a Three-Electron Oxidant with a Large Tunneling Effect in Multi-Electron Oxidation of NADH Analogues. Angewandte Chemie, 2017, 129, 3564-3569.	2.0	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. Angewandte Chemie - International Edition, 2017, 56, 801-805.	13.8	46
92	Fine Control of the Redox Reactivity of a Nonheme Iron(III)â€“Peroxo Complex by Binding Redoxâ€Inactive Metal Ions. Angewandte Chemie, 2017, 129, 819-823.	2.0	9
93	Production of Liquid Solar Fuels and Their Use in Fuel Cells. Joule, 2017, 1, 689-738.	24.0	149
94	Dioxygen Activation and Oâ€“O Bond Formation Reactions by Manganese Corroles. Journal of the American Chemical Society, 2017, 139, 15858-15867.	13.7	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. Chemical Science, 2017, 8, 7119-7125.	7.4	65
96	Fuel Production from Seawater and Fuel Cells Using Seawater. ChemSusChem, 2017, 10, 4264-4276.	6.8	93
97	A subphthalocyanineâ€“pyrene dyad: electron transfer and singlet oxygen generation. Photochemical and Photobiological Sciences, 2017, 16, 1512-1518.	2.9	11
98	Bicyclic Baird-type aromaticity. Nature Chemistry, 2017, 9, 1243-1248.	13.6	71
99	Direct oxygen atom transfer versus electron transfer mechanisms in the phosphine oxidation by nonheme Mn(<scp>iv</scp>)-oxo complexes. Chemical Communications, 2017, 53, 9352-9355.	4.1	19
100	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. Chemical Communications, 2017, 53, 9898-9901.	4.1	6
101	The sensitivity of donor â€“ acceptor charge transfer to molecular geometry in DAN â€“ NDI based supramolecular flower-like self-assemblies. Scientific Reports, 2017, 7, 16501.	3.3	28
102	Autocatalytic dioxygen activation to produce an iron(<scp>v</scp>)-oxo complex without any reductants. Chemical Communications, 2017, 53, 8348-8351.	4.1	17
103	Photoinduced Electron Transfer in 9â€Substituted 10â€Methylacridinium Ions. Chemistry - A European Journal, 2017, 23, 1306-1317.	3.3	45
104	Dihydroxylation of styrene by sodium chlorite with scandium triflate. Journal of Physical Organic Chemistry, 2017, 30, e3619.	1.9	11
105	High-valent metal-oxo complexes generated in catalytic oxidation reactions using water as an oxygen source. Coordination Chemistry Reviews, 2017, 333, 44-56.	18.8	62
106	Enhanced Electron Transfer Reactivity of a Nonheme Iron(IV)â€“Imido Complex as Compared to the Iron(IV)â€Oxo Analogue. Angewandte Chemie - International Edition, 2016, 55, 3709-3713.	13.8	27
107	Aromatic Monochlorination Photosensitized by DDQ with Hydrogen Chloride under Visibleâ€Light Irradiation. Chemistry - an Asian Journal, 2016, 11, 996-999.	3.3	21
108	Photoinduced Processes of Supramolecular Nanoarrays Composed of Porphyrin and Benzo[ghi]perylenetriimide Units through Triple Hydrogen Bonds with Oneâ€Dimensional Columnar Phases. Chemistry - an Asian Journal, 2016, 11, 613-624.	3.3	9

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109	Controllable Threshold Voltage in Organic Complementary Logic Circuits with an Electron-Trapping Polymer and Photoactive Gate Dielectric Layer. ACS Applied Materials & Interfaces, 2016, 8, 18249-18255.	8.0	12
110	Switchover of the Mechanism between Electron Transfer and Hydrogenâ€Atom Transfer for a Protonated Manganese(IV)â€“Oxo Complex by Changing Only the Reaction Temperature. Angewandte Chemie - International Edition, 2016, 55, 7450-7454.	13.8	44
111	Cyclic Tetramers of Zinc Chlorophylls as a Coupled Lightâ€Harvesting Antennaâ€“Chargeâ€Separation System. Chemistry - A European Journal, 2016, 22, 1165-1176.	3.3	15
112	Photocatalytic oxidation of iron(<scp>ii</scp>) complexes by dioxygen using 9-mesityl-10-methylacridinium ions. Chemical Communications, 2016, 52, 6178-6180.	4.1	6
113	Synthetic control over intra- and intermolecular charge transfer can turn on the fluorescence emission of non-emissive coumarin. Journal of Materials Chemistry C, 2016, 4, 4556-4567.	5.5	37
114	Peroxo and Superoxo Moieties Bound to Copper Ion: Electron-Transfer Equilibrium with a Small Reorganization Energy. Journal of the American Chemical Society, 2016, 138, 7055-7066.	13.7	52
115	Thermal and photoinduced electron-transfer catalysis of high-valent metal-oxo porphyrins in oxidation of substrates. Journal of Porphyrins and Phthalocyanines, 2016, 20, 35-44.	0.8	11
116	An effective preparation method of composite photocatalysts for hydrogen evolution using an organic photosensitizer and metal particles assembled on alumina-silica. Catalysis Today, 2016, 278, 303-311.	4.4	8
117	Two-phase oxidation of toluene derivatives by dioxygen using the 3-cyano-1-decylquinolinium ion as a photocatalyst. RSC Advances, 2016, 6, 41011-41014.	3.6	14
118	Production of hydrogen peroxide by combination of semiconductor-photocatalysed oxidation of water and photocatalytic two-electron reduction of dioxygen. RSC Advances, 2016, 6, 42041-42044.	3.6	26
119	Axially Substituted Silicon Phthalocyanine as Electron Donor in a Dyad and Triad with Azafullerene as Electron Acceptor for Photoinduced Charge Separation. Chemistry - A European Journal, 2016, 22, 15137-15143.	3.3	15
120	Hydrogen Peroxide used as a Solar Fuel in Oneâ€Compartment Fuel Cells. ChemElectroChem, 2016, 3, 1978-1989.	3.4	84
121	A Bispidine Iron(IV)â€“Oxo Complex in the Entatic State. Angewandte Chemie, 2016, 128, 11295-11299.	2.0	9
122	Catalytic Hydroxylation of Benzene to Phenol by Dioxygen with an NADH Analogue. Chemistry - A European Journal, 2016, 22, 12904-12909.	3.3	20
123	A Bispidine Iron(IV)â€“Oxo Complex in the Entatic State. Angewandte Chemie - International Edition, 2016, 55, 11129-11133.	13.8	41
124	Aluminium ion-promoted radical-scavenging reaction of methylated hydroquinone derivatives. Organic and Biomolecular Chemistry, 2016, 14, 7956-7961.	2.8	8
125	Light harvesting a gold porphyrinâ€”zinc phthalocyanine supramolecular donorâ€”acceptor dyad. Photochemical and Photobiological Sciences, 2016, 15, 1340-1346.	2.9	20
126	Catalytic reduction of proton, oxygen and carbon dioxide with cobalt macrocyclic complexes. Journal of Porphyrins and Phthalocyanines, 2016, 20, 935-949.	0.8	18

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127	Light harvesting subphthalocyanineâ€“ferrocene dyads: Fast electron transfer process studied by femtosecond laser photolysis. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1148-1155.	0.8	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. Journal of the American Chemical Society, 2016, 138, 15857-15860.	13.7	61
129	Factors Controlling the Chemoselectivity in the Oxidation of Olefins by Nonheme Manganese(IV)-Oxo Complexes. Journal of the American Chemical Society, 2016, 138, 10654-10663.	13.7	52
130	Solventâ€Free Photooxidation of Alkanes by Dioxygen with 2,3â€Dichloroâ€5,6â€dicyanoâ€pâ€benzoquinone via Photoinduced Electron Transfer. Chemistry - an Asian Journal, 2016, 11, 2255-2259.	3.3	15
131	Synthetically tuneable biomimetic artificial photosynthetic reaction centres that closely resemble the natural system in purple bacteria. Chemical Science, 2016, 7, 6534-6550.	7.4	22
132	Catalytic Formation of Hydrogen Peroxide from Coenzyme NADH and Dioxygen with a Water-Soluble Iridium Complex and a Ubiquinone Coenzyme Analogue. Inorganic Chemistry, 2016, 55, 7747-7754.	4.0	19
133	Efficient Photocatalytic Production of Hydrogen Peroxide from Water and Dioxygen with Bismuth Vanadate and a Cobalt(II) Chlorin Complex. ACS Energy Letters, 2016, 1, 913-919.	17.4	98
134	Reactivity of 2,2-Diphenyl-1-picrylhydrazyl Solubilized in Water byÎ²-Cyclodextrin and Its Methylated Derivative. ChemistrySelect, 2016, 1, 3367-3370.	1.5	7
135	Seawater usable for production and consumption of hydrogen peroxide as a solar fuel. Nature Communications, 2016, 7, 11470.	12.8	310
136	Lightâ€Harvesting Phthalocyanineâ€“Diketopyrrolopyrrole Derivatives: Synthesis, Spectroscopic, Electrochemical, and Photochemical Studies. Chemistry - A European Journal, 2016, 22, 17800-17807.	3.3	8
137	Switchover of the Mechanism between Electron Transfer and Hydrogenâ€Atom Transfer for a Protonated Manganese(IV)â€“Oxo Complex by Changing Only the Reaction Temperature. Angewandte Chemie, 2016, 128, 7576-7580.	2.0	8
138	Homogeneous and Heterogeneous Photocatalytic Water Oxidation by Persulfate. Chemistry - an Asian Journal, 2016, 11, 1138-1150.	3.3	67
139	Photocatalytic Hydroxylation of Benzene by Dioxygen to Phenol with a Cyano-Bridged Complex Containing Fe^{II} and Ru^{II} Incorporated in Mesoporous Silicaâ€“Alumina. Inorganic Chemistry, 2016, 55, 5780-5786.	4.0	46
140	Electrochemical reduction of cationic Li⁺@C₆₀ to neutral Li⁺@C₆₀Ë™^{â^’}: isolation and characterisation of endohedral [60]fulleride. Chemical Science, 2016, 7, 5770-5774.	7.4	40
141	A profluorescent nitroxide probe for ascorbic acid detection and its application to quantitative analysis of diabetic rat plasma. RSC Advances, 2016, 6, 60907-60915.	3.6	14
142	A Manganese(V)â€“Oxo Complex: Synthesis by Dioxygen Activation and Enhancement of Its Oxidizing Power by Binding Scandium Ion. Journal of the American Chemical Society, 2016, 138, 8523-8532.	13.7	118
143	Photooxygenation of alkanes by dioxygen with p-benzoquinone derivatives with high quantum yields. Photochemical and Photobiological Sciences, 2016, 15, 731-734.	2.9	12
144	Nanofabrication of a Solidâ€State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. ChemPlusChem, 2016, 81, 521-525.	2.8	9

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