

# Shunichi Fukuzumi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

573  
papers

33,359  
citations

98  
h-index

145  
g-index

592  
ext. papers

36,083  
ext. citations

9.3  
avg, IF

7.73  
L-index

#	Paper	IF	Citations
573	Molecular Photocatalytic Water Splitting by Mimicking Photosystems I and II.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	5
572	Hydrogen Evolution by Molecular Photocatalysis. <i>Springer Handbooks</i> , <b>2022</b> , 1381-1395	1.3	
571	Tunneling in the Hydrogen-Transfer Reaction from a Vitamin E Analog to an Inclusion Complex of 2,2-Diphenyl-1-picrylhydrazyl Radical with $\beta$ -Cyclodextrin in an Aqueous Buffer Solution at Ambient Temperature.. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
570	Deuterium kinetic isotope effects as redox mechanistic criterions. <i>Bulletin of the Korean Chemical Society</i> , <b>2021</b> , 42, 1558	1.2	5
569	Deeper Understanding of Mononuclear Manganese(IV)-Oxo Binding Brønsted and Lewis Acids and the Manganese(IV)-Hydroxide Complex. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16996-17007	5.1	4
568	Enthalpy-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> , <b>2021</b> , 143, 18559-18570	16.4	4
567	Effects of reaction environments on radical-scavenging mechanisms of ascorbic acid. <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2021</b> , 68, 116-122	3.1	3
566	Biomimetic metal-oxidant adducts as active oxidants in oxidation reactions. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 435, 213807	23.2	14
565	Acid-promoted hydride transfer from an NADH analogue to a Cr(III)-superoxo complex via a proton-coupled hydrogen atom transfer. <i>Dalton Transactions</i> , <b>2021</b> , 50, 675-680	4.3	2
564	A Mononuclear Non-Heme Manganese(III)-Aqua Complex in Oxygen Atom Transfer Reactions via Electron Transfer. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1521-1528	16.4	6
563	A Highly Reactive Chromium(V)Oxo TAML Cation Radical Complex in Electron Transfer and Oxygen Atom Transfer Reactions. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2889-2901	13.1	6
562	Highly Efficient Catalytic Two-Electron Two-Proton Reduction of Dioxygen to Hydrogen Peroxide with a Cobalt Corrole Complex. <i>ACS Catalysis</i> , <b>2021</b> , 11, 3073-3083	13.1	10
561	Recent progress in production and usage of hydrogen peroxide. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1241-1252	11.3	14
560	Identifying Intermediates in Electrocatalytic Water Oxidation with a Manganese Corrole Complex. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14613-14621	16.4	16
559	Catalytic Four-Electron Reduction of Dioxygen by Ferrocene Derivatives with a Nonheme Iron(III) TAML Complex. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 18010-18017	5.1	5
558	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13683-13687	3.6	
557	Photocatalytic CO Reduction Using a Robust Multifunctional Iridium Complex toward the Selective Formation of Formic Acid. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10261-10266	16.4	35

556	Artificial nonheme iron and manganese oxygenases for enantioselective olefin epoxidation and alkane hydroxylation reactions. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 421, 213443	23.2	35
555	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> , <b>2020</b> , 142, 3891-3904	16.4	33
554	Bioinspired artificial photosynthesis systems. <i>Tetrahedron</i> , <b>2020</b> , 76, 131024	2.4	11
553	Metal ion-coupled electron-transfer reactions of metal-oxygen complexes. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 410, 213219	23.2	27
552	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> , <b>2020</b> , 60, 1049-1056	3.4	2
551	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13581-13585	16.4	12
550	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> , <b>2020</b> , 9, 061026	2	2
549	Mechanistic dichotomies in redox reactions of mononuclear metal-oxygen intermediates. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 8988-9027	58.5	35
548	Tuning Electron-Transfer Reactivity of a Chromium(III)-Superoxo Complex Enabled by Calcium Ion and Other Redox-Inactive Metal Ions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 365-372	16.4	9
547	Photoinduced Generation of Superoxidants for the Oxidation of Substrates with High C-H Bond Dissociation Energies. <i>ChemPhotoChem</i> , <b>2020</b> , 4, 271-281	3.3	2
546	Photocatalytic Hydrogen Evolution from Plastoquinol Analogues as a Potential Functional Model of Photosystem I. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14838-14846	5.1	5
545	Carotenoid radical ions: A laser flash photolysis study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 212, 112023	6.7	1
544	Acid Catalysis via Acid-Promoted Electron Transfer. <i>Bulletin of the Korean Chemical Society</i> , <b>2020</b> , 41, 1217-1232	1.2	17
543	Photocatalytic hydrogen evolution using a Ru(II)-bound heteroaromatic ligand as a reactive site. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17230-17242	4.3	4
542	Unprecedented Reactivities of Highly Reactive Manganese(III)-Iodosylarene Porphyrins in Oxidation Reactions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19879-19884	16.4	6
541	Enhanced Redox Reactivity of a Nonheme Iron(V)-Oxo Complex Binding Proton. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15305-15319	16.4	14
540	A large kinetic isotope effect in the reaction of ascorbic acid with 2-phenyl-4,4,5,5-tetramethylimidazoline-1-oxyl 3-oxide (PTIO) in aqueous buffer solutions. <i>Chemical Communications</i> , <b>2020</b> , 56, 11505-11507	5.8	9
539	Photocatalytic redox reactions with metalloporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2020</b> , 24, 21-32	1.8	7

538	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> , <b>2019</b> , 58, 13761-13765	5.1	12
537	Kinetics and mechanisms of catalytic water oxidation. <i>Dalton Transactions</i> , <b>2019</b> , 48, 779-798	4.3	35
536	Aromatic hydroxylation of anthracene derivatives by a chromium(iii)-superoxo complex via proton-coupled electron transfer. <i>Chemical Communications</i> , <b>2019</b> , 55, 8286-8289	5.8	1
535	Small Reorganization Energy for Ligand-Centered Electron-Transfer Reduction of Compound I to Compound II in a Heme Model Study. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8263-8266	5.1	10
534	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> , <b>2019</b> , 141, 9155-9159	16.4	19
533	A Diprotonated Porphyrin as an Electron Mediator in Photoinduced Electron Transfer in Hydrogen-Bonded Supramolecular Assemblies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11529-11538	3.8	4
532	Structure and reactivity of the first-row d-block metal-superoxo complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 9469-9489	4.3	37
531	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> , <b>2019</b> , 141, 7675-7679	16.4	19
530	Photodriven Oxidation of Water by Plastoquinone Analogs with a Nonheme Iron Catalyst. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 6748-6754	16.4	13
529	Catalytic recycling of NAD(P)H. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 199, 110777	4.2	18
528	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> , <b>2019</b> , 141, 12187-12191	16.4	40
527	A Pyropheophorbide Analogue Containing a Fused Methoxy Cyclohexenone Ring System Shows Promising Cancer-Imaging Ability. <i>ChemMedChem</i> , <b>2019</b> , 14, 1503-1513	3.7	4
526	Photocatalytic Oxygenation Reactions Using Water and Dioxygen. <i>ChemSusChem</i> , <b>2019</b> , 12, 3931-3940	8.3	20
525	Regioselective Oxybromination of Benzene and Its Derivatives by Bromide Anion with a Mononuclear Nonheme Mn(IV)-Oxo Complex. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 14299-14303	5.1	8
524	A High-Valent Manganese(IV)-Oxo-Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16270-16275	3.6	7
523	A High-Valent Manganese(IV)-Oxo-Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16124-16129	16.4	20
522	Synthesis and radical-scavenging activity of C-methylated fisetin analogues. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 1720-1727	3.4	5
521	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> , <b>2019</b> , 141, 1324-1336	16.4	50

520	A Mononuclear Nonheme Iron(IV)-Amido Complex Relevant for the Compound II Chemistry of Cytochrome P450. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 80-83	16.4	18
519	Unified Mechanism of Oxygen Atom Transfer and Hydrogen Atom Transfer Reactions with a Triflic Acid-Bound Nonheme Manganese(IV)-Oxo Complex via Outer-Sphere Electron Transfer. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2614-2622	16.4	21
518	Amphoteric reactivity of metal-oxygen complexes in oxidation reactions. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 365, 41-59	23.2	58
517	Thermal and photocatalytic oxidation of organic substrates by dioxygen with water as an electron source. <i>Green Chemistry</i> , <b>2018</b> , 20, 948-963	10	14
516	Assemblies of Boron Dipyrromethene/Porphyrin, Phthalocyanine, and C Moieties as Artificial Models of Photosynthesis: Synthesis, Supramolecular Interactions, and Photophysical Studies. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3862-3872	4.8	13
515	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> , <b>2018</b> , 20, 1975-1980	10	22
514	Solar-Driven Production of Hydrogen Peroxide from Water and Dioxygen. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5016-5031	4.8	64
513	Thermal and photocatalytic production of hydrogen with earth-abundant metal complexes. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 355, 54-73	23.2	93
512	Mn(III)-Iodosylarene Porphyrins as an Active Oxidant in Oxidation Reactions: Synthesis, Characterization, and Reactivity Studies. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10232-10240	5.1	15
511	Enhanced Electron-Transfer Reactivity of a Long-Lived Photoexcited State of a Cobalt-Oxygen Complex. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10945-10952	5.1	11
510	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> , <b>2018</b> , 140, 8405-8409	16.4	24
509	Immobilization of Molecular Catalysts for Enhanced Redox Catalysis. <i>ChemCatChem</i> , <b>2018</b> , 10, 1686-1703	3.2	27
508	A Triphenylamine-Naphthalenediimide-Bullerene Triad: Synthesis, Photoinduced Charge Separation and Solution-Processable Bulk Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 220-226	3	11
507	Artificial Photosynthesis for Production of ATP, NAD(P)H, and Hydrogen Peroxide. <i>ChemPhotoChem</i> , <b>2018</b> , 2, 121-135	3.3	17
506	Inter- and Intramolecular Electron-Transfer Reduction Properties of Coronenediimide Derivatives via Photoinduced Processes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13333-13346	3.8	6
505	Mechanisms of Two-Electron versus Four-Electron Reduction of Dioxygen Catalyzed by Earth-Abundant Metal Complexes. <i>ChemCatChem</i> , <b>2018</b> , 10, 9-28	5.2	63
504	Photoexcited state chemistry of metal-oxygen complexes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16019-16026	4.3	5
503	A Mononuclear Non-heme Manganese(III)-Aqua Complex as a New Active Oxidant in Hydrogen Atom Transfer Reactions. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12695-12699	16.4	19

502	Mimicry and functions of photosynthetic reaction centers. <i>Biochemical Society Transactions</i> , <b>2018</b> , 46, 1279-1288	5.1	20
501	Hydrogen Atom Transfer Reactions of Mononuclear Nonheme Metal-Oxygen Intermediates. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2014-2022	24.3	68
500	Mechanistic Insights into Homogeneous Electrocatalytic and Photocatalytic Hydrogen Evolution Catalyzed by High-Spin Ni(II) Complexes with SN-Type Tetradentate Ligands. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7180-7190	5.1	29
499	Mechanisms of catalytic reduction of CO with heme and nonheme metal complexes. <i>Chemical Science</i> , <b>2018</b> , 9, 6017-6034	9.4	71
498	Remarkable Acid Catalysis in Proton-Coupled Electron-Transfer Reactions of a Chromium(III)-Superoxo Complex. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8372-8375	16.4	21
497	Selective CO Production in Photoelectrochemical Reduction of CO <sub>2</sub> with a Cobalt Chlorin Complex Adsorbed on Multiwalled Carbon Nanotubes in Water. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 532-536	20.1	34
496	Nanocarbons as Electron Donors and Acceptors in Photoinduced Electron-Transfer Reactions. <i>ECS Journal of Solid State Science and Technology</i> , <b>2017</b> , 6, M3055-M3061	2	15
495	Solar energy conversion: From natural to artificial photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2017</b> , 31, 36-83	16.4	167
494	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> , <b>2017</b> , 53, 3473-3476	5.8	28
493	Photocatalytic water oxidation by persulphate with a Ca ion-incorporated polymeric cobalt cyanide complex affording O <sub>2</sub> with 200% quantum efficiency. <i>Chemical Communications</i> , <b>2017</b> , 53, 3418-3421	5.8	20
492	Thermodynamics and Photodynamics of a Monoprotonated Porphyrin Directly Stabilized by Hydrogen Bonding with Polar Protic Solvents. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4669-4679	4.8	11
491	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> , <b>2017</b> , 56, 3510-3515	16.4	16
490	Selective Oxygenation of Cyclohexene by Dioxygen via an Iron(V)-Oxo Complex-Autocatalyzed Reaction. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5096-5104	5.1	37
489	Multi-Electron Oxidation of Anthracene Derivatives by Nonheme Manganese(IV)-Oxo Complexes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 7125-7131	4.8	14
488	Synthesis of methylated quercetin analogues for enhancement of radical-scavenging activity. <i>RSC Advances</i> , <b>2017</b> , 7, 17968-17979	3.7	11
487	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> , <b>2017</b> , 8, 1557-1561	6.4	17
486	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> , <b>2017</b> , 129, 3564-3569	3.6	5
485	Fine Control of the Redox Reactivity of a Nonheme Iron(III)-Peroxo Complex by Binding Redox-Inactive Metal Ions. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 801-805	16.4	36

484	Fine Control of the Redox Reactivity of a Nonheme Iron(III)Peroxo Complex by Binding Redox-Inactive Metal Ions. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 819-823	3.6	7
483	Production of Liquid Solar Fuels and Their Use in Fuel Cells. <i>Joule</i> , <b>2017</b> , 1, 689-738	27.8	85
482	Dioxygen Activation and O-O Bond Formation Reactions by Manganese Corroles. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15858-15867	16.4	50
481	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> , <b>2017</b> , 8, 7119-7125	9.4	46
480	Fuel Production from Seawater and Fuel Cells Using Seawater. <i>ChemSusChem</i> , <b>2017</b> , 10, 4264-4276	8.3	55
479	A subphthalocyanine-pyrene dyad: electron transfer and singlet oxygen generation. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 1512-1518	4.2	9
478	Bicyclic Baird-type aromaticity. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1243-1248	17.6	50
477	Direct oxygen atom transfer versus electron transfer mechanisms in the phosphine oxidation by nonheme Mn(IV)-oxo complexes. <i>Chemical Communications</i> , <b>2017</b> , 53, 9352-9355	5.8	14
476	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. <i>Chemical Communications</i> , <b>2017</b> , 53, 9898-9901	5.8	5
475	The sensitivity of donor - acceptor charge transfer to molecular geometry in DAN - NDI based supramolecular flower-like self-assemblies. <i>Scientific Reports</i> , <b>2017</b> , 7, 16501	4.9	22
474	Autocatalytic dioxygen activation to produce an iron(V)-oxo complex without any reductants. <i>Chemical Communications</i> , <b>2017</b> , 53, 8348-8351	5.8	14
473	Photoinduced Electron Transfer in 9-Substituted 10-Methylacridinium Ions. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 1306-1317	4.8	33
472	Dihydroxylation of styrene by sodium chlorite with scandium triflate. <i>Journal of Physical Organic Chemistry</i> , <b>2017</b> , 30, e3619	2.1	7
471	High-valent metal-oxo complexes generated in catalytic oxidation reactions using water as an oxygen source. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 333, 44-56	23.2	49
470	Aluminium ion-promoted radical-scavenging reaction of methylated hydroquinone derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 7956-61	3.9	5
469	Light harvesting a gold porphyrin-zinc phthalocyanine supramolecular donor-acceptor dyad. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 1340-1346	4.2	17
468	Catalytic reduction of proton, oxygen and carbon dioxide with cobalt macrocyclic complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 935-949	1.8	14
467	Light harvesting subphthalocyanineferrocene dyads: Fast electron transfer process studied by femtosecond laser photolysis. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 1148-1155	1.8	6

466	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> , <b>2016</b> , 138, 15857-15860	16.4	47
465	Factors Controlling the Chemoselectivity in the Oxidation of Olefins by Nonheme Manganese(IV)-Oxo Complexes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10654-63	16.4	44
464	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> , <b>2016</b> , 11, 2255-9	4.5	14
463	Synthetically tuneable biomimetic artificial photosynthetic reaction centres that closely resemble the natural system in purple bacteria. <i>Chemical Science</i> , <b>2016</b> , 7, 6534-6550	9.4	16
462	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> , <b>2016</b> , 55, 7747-54	5.1	15
461	Efficient Photocatalytic Production of Hydrogen Peroxide from Water and Dioxygen with Bismuth Vanadate and a Cobalt(II) Chlorin Complex. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 913-919	20.1	74
460	Reactivity of 2,2-Diphenyl-1-picrylhydrazyl Solubilized in Water by $\beta$ -Cyclodextrin and Its Methylated Derivative. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3367-3370	1.8	6
459	Seawater usable for production and consumption of hydrogen peroxide as a solar fuel. <i>Nature Communications</i> , <b>2016</b> , 7, 11470	17.4	179
458	Light-Harvesting Phthalocyanine-Diketopyrrolopyrrole Derivatives: Synthesis, Spectroscopic, Electrochemical, and Photochemical Studies. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17800-17807	4.8	7
457	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</i> , <b>2016</b> , 128, 7576-7580	3.6	8
456	Homogeneous and Heterogeneous Photocatalytic Water Oxidation by Persulfate. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1138-50	4.5	59
455	Photocatalytic Hydroxylation of Benzene by Dioxygen to Phenol with a Cyano-Bridged Complex Containing Fe(II) and Ru(II) Incorporated in Mesoporous Silica-Alumina. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5780-6	5.1	38
454	Electrochemical reduction of cationic Li@C to neutral Li@C: isolation and characterisation of endohedral [60]fulleride. <i>Chemical Science</i> , <b>2016</b> , 7, 5770-5774	9.4	36
453	A profluorescent nitroxide probe for ascorbic acid detection and its application to quantitative analysis of diabetic rat plasma. <i>RSC Advances</i> , <b>2016</b> , 6, 60907-60915	3.7	9
452	A Manganese(V)-Oxo Complex: Synthesis by Dioxygen Activation and Enhancement of Its Oxidizing Power by Binding Scandium Ion. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8523-32	16.4	101
451	Photooxygenation of alkanes by dioxygen with p-benzoquinone derivatives with high quantum yields. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 731-4	4.2	9
450	Nanofabrication of a Solid-State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. <i>ChemPlusChem</i> , <b>2016</b> , 81, 521-525	2.8	8
449	Homogeneous Photocatalytic Water Oxidation with a Dinuclear Co(III)-Pyridylmethylamine Complex. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1154-64	5.1	58



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445	Photocatalytic Oxygenation of Substrates by Dioxygen with Protonated Manganese(III) Corrolazine. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3218-28	5.1	18
444	Photocatalytic production of hydrogen peroxide from water and dioxygen using cyano-bridged polynuclear transition metal complexes as water oxidation catalysts. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 681-684	5.5	54
443	Effect of Metalation on Porphyrin-Based Bifunctional Agents in Tumor Imaging and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 667-80	6.3	27
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433	Peroxo and Superoxo Moieties Bound to Copper Ion: Electron-Transfer Equilibrium with a Small Reorganization Energy. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7055-66	16.4	41
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4 <sup>09</sup>	Ni-Cu alloy nanoparticles loaded on various metal oxides acting as efficient catalysts for photocatalytic H <sub>2</sub> evolution. <i>RSC Advances</i> , <b>2015</b> , 5, 44912-44919	3.7	9
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4 <sup>04</sup>	Activationless electron self-exchange of high-valent oxo and imido complexes of chromium corroles. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9223-8	5.1	9
4 <sup>03</sup>	Multiple photosynthetic reaction centres of porphyrinic polypeptide-Li(+)-@C <sub>60</sub> supramolecular complexes. <i>Chemical Communications</i> , <b>2015</b> , 51, 17517-20	5.8	7
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1	Electron Transfer of Functional Systems and Applications		465-510 1