Yong-Min Lee

List of Publications by Year in Descending Order

224 papers	9,673 citations	57 h-index	87 g-index
233 ext. papers	10,824 ext. citations	10.7 avg, IF	6.52 L-index

#	Paper	IF	Citations
224	Molecular Photocatalytic Water Splitting by Mimicking Photosystems I and II.. *Journal of the American Chemical Society*, **2022**,	16.4	5
223	Bromoacetic Acid-Promoted Nonheme Manganese-Catalyzed Alkane Hydroxylation Inspired by α-Ketoglutarate-Dependent Oxygenases. *ACS Catalysis*, **2022**, 12, 6756-6769	13.1	2
222	Hydrogen Evolution by Molecular Photocatalysis. *Springer Handbooks*, **2022**, 1381-1395	1.3	
221	Deuterium kinetic isotope effects as redox mechanistic criterions. *Bulletin of the Korean Chemical Society*, **2021**, 42, 1558	1.2	5
220	The Oxo-Wall Remains Intact: A Tetrahedrally Distorted Co(IV)-Oxo Complex. *Journal of the American Chemical Society*, **2021**, 143, 16943-16959	16.4	0
219	Deeper Understanding of Mononuclear Manganese(IV)-Oxo Binding Brønsted and Lewis Acids and the Manganese(IV)-Hydroxide Complex. *Inorganic Chemistry*, **2021**, 60, 16996-17007	5.1	4
218	Enthalpy-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	16.4	4
217	Ligand Architecture Perturbation Influences the Reactivity of Nonheme Iron(V)-Oxo Tetraamido Macrocyclic Ligand Complexes: A Combined Experimental and Theoretical Study. *Inorganic Chemistry*, **2021**, 60, 4058-4067	5.1	4
216	Biomimetic metal-oxidant adducts as active oxidants in oxidation reactions. *Coordination Chemistry Reviews*, **2021**, 435, 213807	23.2	14
215	EPR spectroscopy elucidates the electronic structure of [FeV(O)(TAML)] complexes. *Inorganic Chemistry Frontiers*, **2021**, 8, 3775-3783	6.8	3
214	Transition metal-mediated O-O bond formation and activation in chemistry and biology. *Chemical Society Reviews*, **2021**, 50, 4804-4811	58.5	38
213	Acid-promoted hydride transfer from an NADH analogue to a Cr(iii)-superoxo complex via a proton-coupled hydrogen atom transfer. *Dalton Transactions*, **2021**, 50, 675-680	4.3	2
212	A Mononuclear Non-Heme Manganese(III)-Aqua Complex in Oxygen Atom Transfer Reactions via Electron Transfer. *Journal of the American Chemical Society*, **2021**, 143, 1521-1528	16.4	6
211	Formation of cobalt-oxygen intermediates by dioxygen activation at a mononuclear nonheme cobalt(ii) center. *Dalton Transactions*, **2021**, 50, 11889-11898	4.3	1
210	A Highly Reactive Chromium(V)-Oxo TAML Cation Radical Complex in Electron Transfer and Oxygen Atom Transfer Reactions. *ACS Catalysis*, **2021**, 11, 2889-2901	13.1	6
209	Highly Efficient Catalytic Two-Electron Two-Proton Reduction of Dioxygen to Hydrogen Peroxide with a Cobalt Corrole Complex. *ACS Catalysis*, **2021**, 11, 3073-3083	13.1	10
208	Recent progress in production and usage of hydrogen peroxide. *Chinese Journal of Catalysis*, **2021**, 42, 1241-1252	11.3	14

207	How does Lewis acid affect the reactivity of mononuclear high-valent chromium–oxo species? A theoretical study. *Bulletin of the Korean Chemical Society*, **2021**, 42, 1501	1.2	2
206	Identifying Intermediates in Electrocatalytic Water Oxidation with a Manganese Corrole Complex. *Journal of the American Chemical Society*, **2021**, 143, 14613-14621	16.4	16
205	A Mononuclear Non-heme Iron(III)-Peroxo Complex with an Unprecedented High O-O Stretch and Electrophilic Reactivity. *Journal of the American Chemical Society*, **2021**, 143, 15556-15561	16.4	5
204	Catalytic Four-Electron Reduction of Dioxygen by Ferrocene Derivatives with a Nonheme Iron(III) TAML Complex. *Inorganic Chemistry*, **2020**, 59, 18010-18017	5.1	5
203	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. *Angewandte Chemie*, **2020**, 132, 13683-13687	3.6	
202	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	16.4	33
201	Bioinspired artificial photosynthesis systems. *Tetrahedron*, **2020**, 76, 131024	2.4	11
200	Metal ion-coupled electron-transfer reactions of metal-oxygen complexes. *Coordination Chemistry Reviews*, **2020**, 410, 213219	23.2	27
199	Generation and Electron-Transfer Reactivity of the Long-Lived Photoexcited State of a Manganese(IV)-Oxo-Scandium Nitrate Complex. *Israel Journal of Chemistry*, **2020**, 60, 1049-1056	3.4	2
198	Structure and Unprecedented Reactivity of a Mononuclear Nonheme Cobalt(III) Iodosylbenzene Complex. *Angewandte Chemie - International Edition*, **2020**, 59, 13581-13585	16.4	12
197	Mechanistic dichotomies in redox reactions of mononuclear metal-oxygen intermediates. *Chemical Society Reviews*, **2020**, 49, 8988-9027	58.5	35
196	Tuning Electron-Transfer Reactivity of a Chromium(III)-Superoxo Complex Enabled by Calcium Ion and Other Redox-Inactive Metal Ions. *Journal of the American Chemical Society*, **2020**, 142, 365-372	16.4	9
195	Photoinduced Generation of Superoxidants for the Oxidation of Substrates with High C–H Bond Dissociation Energies. *ChemPhotoChem*, **2020**, 4, 271-281	3.3	2
194	Photocatalytic Hydrogen Evolution from Plastoquinol Analogues as a Potential Functional Model of Photosystem I. *Inorganic Chemistry*, **2020**, 59, 14838-14846	5.1	5
193	Acid Catalysis via Acid-Promoted Electron Transfer. *Bulletin of the Korean Chemical Society*, **2020**, 41, 1217-1232	1.2	17
192	Unprecedented Reactivities of Highly Reactive Manganese(III)-Iodosylarene Porphyrins in Oxidation Reactions. *Journal of the American Chemical Society*, **2020**, 142, 19879-19884	16.4	6
191	Enhanced Redox Reactivity of a Nonheme Iron(V)-Oxo Complex Binding Proton. *Journal of the American Chemical Society*, **2020**, 142, 15305-15319	16.4	14
190	Proton-promoted disproportionation of iron(V)-imido TAML to iron(V)-imido TAML cation radical and iron(IV) TAML. *Chemical Communications*, **2020**, 56, 11207-11210	5.8	4

189	Photocatalytic redox reactions with metalloporphyrins. *Journal of Porphyrins and Phthalocyanines*, **2020**, 24, 21-32	1.8	7
188	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. *Inorganic Chemistry*, **2019**, 58, 13761-13765	5.1	12
187	Kinetics and mechanisms of catalytic water oxidation. *Dalton Transactions*, **2019**, 48, 779-798	4.3	35
186	Aromatic hydroxylation of anthracene derivatives by a chromium(iii)-superoxo complex via proton-coupled electron transfer. *Chemical Communications*, **2019**, 55, 8286-8289	5.8	1
185	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	16.4	19
184	Structure and reactivity of the first-row d-block metal-superoxo complexes. *Dalton Transactions*, **2019**, 48, 9469-9489	4.3	37
183	Tunneling Controls the Reaction Pathway in the Deformylation of Aldehydes by a Nonheme Iron(III)-Hydroperoxo Complex: Hydrogen Atom Abstraction versus Nucleophilic Addition. *Journal of the American Chemical Society*, **2019**, 141, 7675-7679	16.4	19
182	A Mn(iv)-peroxo complex in the reactions with proton donors. *Dalton Transactions*, **2019**, 48, 5203-5213	4.3	5
181	Photodriven Oxidation of Water by Plastoquinone Analogs with a Nonheme Iron Catalyst. *Journal of the American Chemical Society*, **2019**, 141, 6748-6754	16.4	13
180	Catalytic recycling of NAD(P)H. *Journal of Inorganic Biochemistry*, **2019**, 199, 110777	4.2	18
179	Highly Reactive Manganese(IV)-Oxo Porphyrins Showing Temperature-Dependent Reversed Electronic Effect in C-H Bond Activation Reactions. *Journal of the American Chemical Society*, **2019**, 141, 12187-12191	16.4	40
178	Photocatalytic Oxygenation Reactions Using Water and Dioxygen. *ChemSusChem*, **2019**, 12, 3931-3940	8.3	20
177	Regioselective Oxybromination of Benzene and Its Derivatives by Bromide Anion with a Mononuclear Nonheme Mn(IV)-Oxo Complex. *Inorganic Chemistry*, **2019**, 58, 14299-14303	5.1	8
176	A High-Valent Manganese(IV)-Oxo-Cerium(IV) Complex and Its Enhanced Oxidizing Reactivity. *Angewandte Chemie - International Edition*, **2019**, 58, 16124-16129	16.4	20
175	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	16.4	50
174	A Mononuclear Nonheme Iron(IV)-Amido Complex Relevant for the Compound II Chemistry of Cytochrome P450. *Journal of the American Chemical Society*, **2019**, 141, 80-83	16.4	18
173	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. *Journal of the American Chemical Society*, **2019**, 141, 2614-2622	16.4	21
172	Amphoteric reactivity of metal-oxygen complexes in oxidation reactions. *Coordination Chemistry Reviews*, **2018**, 365, 41-59	23.2	58

171	Mechanistic Insights into the Enantioselective Epoxidation of Olefins by Bioinspired Manganese Complexes: Role of Carboxylic Acid and Nature of Active Oxidant. *ACS Catalysis*, **2018**, 8, 4528-4538	13.1	50
170	Highly Enantioselective Oxidation of Spirocyclic Hydrocarbons by Bioinspired Manganese Catalysts and Hydrogen Peroxide. *ACS Catalysis*, **2018**, 8, 2479-2487	13.1	49
169	Thermal and photocatalytic oxidation of organic substrates by dioxygen with water as an electron source. *Green Chemistry*, **2018**, 20, 948-963	10	14
168	A mononuclear manganese(iii)-hydroperoxo complex: synthesis by activating dioxygen and reactivity in electrophilic and nucleophilic reactions. *Chemical Communications*, **2018**, 54, 1209-1212	5.8	33
167	Solar-Driven Production of Hydrogen Peroxide from Water and Dioxygen. *Chemistry - A European Journal*, **2018**, 24, 5016-5031	4.8	64
166	Thermal and photocatalytic production of hydrogen with earth-abundant metal complexes. *Coordination Chemistry Reviews*, **2018**, 355, 54-73	23.2	93
165	Mn(III)-Iodosylarene Porphyrins as an Active Oxidant in Oxidation Reactions: Synthesis, Characterization, and Reactivity Studies. *Inorganic Chemistry*, **2018**, 57, 10232-10240	5.1	15
164	A mononuclear nonheme {FeNO} complex: synthesis and structural and spectroscopic characterization. *Chemical Science*, **2018**, 9, 6952-6960	9.4	8
163	Enhanced Electron-Transfer Reactivity of a Long-Lived Photoexcited State of a Cobalt-Oxygen Complex. *Inorganic Chemistry*, **2018**, 57, 10945-10952	5.1	11
162	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	16.4	24
161	Immobilization of Molecular Catalysts for Enhanced Redox Catalysis. *ChemCatChem*, **2018**, 10, 1686-1702	5.2	27
160	Artificial Photosynthesis for Production of ATP, NAD(P)H, and Hydrogen Peroxide. *ChemPhotoChem* , **2018**, 2, 121-135	3.3	17
159	Mechanisms of Two-Electron versus Four-Electron Reduction of Dioxygen Catalyzed by Earth-Abundant Metal Complexes. *ChemCatChem*, **2018**, 10, 9-28	5.2	63
158	Photoexcited state chemistry of metal-oxygen complexes. *Dalton Transactions*, **2018**, 47, 16019-16026	4.3	5
157	A Mononuclear Non-heme Manganese(III)-Aqua Complex as a New Active Oxidant in Hydrogen Atom Transfer Reactions. *Journal of the American Chemical Society*, **2018**, 140, 12695-12699	16.4	19
156	Mimicry and functions of photosynthetic reaction centers. *Biochemical Society Transactions*, **2018**, 46, 1279-1288	5.1	20
155	Hydrogen Atom Transfer Reactions of Mononuclear Nonheme Metal-Oxygen Intermediates. *Accounts of Chemical Research*, **2018**, 51, 2014-2022	24.3	68
154	Mechanisms of catalytic reduction of CO with heme and nonheme metal complexes. *Chemical Science*, **2018**, 9, 6017-6034	9.4	71

153	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	16.4	21
152	Effects of Lewis Acids on Photoredox Catalysis. *Asian Journal of Organic Chemistry*, **2017**, 6, 397-409	3	17
151	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	16.4	16
150	Selective Oxygenation of Cyclohexene by Dioxygen via an Iron(V)-Oxo Complex-Autocatalyzed Reaction. *Inorganic Chemistry*, **2017**, 56, 5096-5104	5.1	37
149	A Mononuclear Nonheme Iron(V)-Imido Complex. *Journal of the American Chemical Society*, **2017**, 139, 8800-8803	16.4	47
148	Structure and spin state of nonheme FeO complexes depending on temperature: predictive insights from DFT calculations and experiments. *Chemical Science*, **2017**, 8, 5460-5467	9.4	17
147	Synthesis and reactivity of a mononuclear non-haem cobalt(IV)-oxo complex. *Nature Communications*, **2017**, 8, 14839	17.4	94
146	Multi-Electron Oxidation of Anthracene Derivatives by Nonheme Manganese(IV)-Oxo Complexes. *Chemistry - A European Journal*, **2017**, 23, 7125-7131	4.8	14
145	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	6.4	17
144	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	3.6	5
143	Fine Control of the Redox Reactivity of a Nonheme Iron(III)-Peroxo Complex by Binding Redox-Inactive Metal Ions. *Angewandte Chemie - International Edition*, **2017**, 56, 801-805	16.4	36
142	Fine Control of the Redox Reactivity of a Nonheme Iron(III)-Peroxo Complex by Binding Redox-Inactive Metal Ions. *Angewandte Chemie*, **2017**, 129, 819-823	3.6	7
141	Achieving One-Electron Oxidation of a Mononuclear Nonheme Iron(V)-Imido Complex. *Journal of the American Chemical Society*, **2017**, 139, 14372-14375	16.4	39
140	A Highly Reactive Oxoiron(IV) Complex Supported by a Bioinspired N O Macrocyclic Ligand. *Angewandte Chemie - International Edition*, **2017**, 56, 14384-14388	16.4	32
139	A Highly Reactive Oxoiron(IV) Complex Supported by a Bioinspired N3O Macrocyclic Ligand. *Angewandte Chemie*, **2017**, 129, 14576-14580	3.6	10
138	Dioxygen Activation and O-O Bond Formation Reactions by Manganese Corroles. *Journal of the American Chemical Society*, **2017**, 139, 15858-15867	16.4	50
137	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	9.4	46
136	Fuel Production from Seawater and Fuel Cells Using Seawater. *ChemSusChem*, **2017**, 10, 4264-4276	8.3	55

135	Manganese complex-catalyzed oxidation and oxidative kinetic resolution of secondary alcohols by hydrogen peroxide. *Chemical Science*, **2017**, 8, 7476-7482	9.4	36
134	Direct oxygen atom transfer versus electron transfer mechanisms in the phosphine oxidation by nonheme Mn(iv)-oxo complexes. *Chemical Communications*, **2017**, 53, 9352-9355	5.8	14
133	Autocatalytic dioxygen activation to produce an iron(v)-oxo complex without any reductants. *Chemical Communications*, **2017**, 53, 8348-8351	5.8	14
132	Dioxygen activation chemistry by synthetic mononuclear nonheme iron, copper and chromium complexes. *Coordination Chemistry Reviews*, **2017**, 334, 25-42	23.2	112
131	High-valent metal-oxo complexes generated in catalytic oxidation reactions using water as an oxygen source. *Coordination Chemistry Reviews*, **2017**, 333, 44-56	23.2	49
130	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	16.4	47
129	Factors Controlling the Chemoselectivity in the Oxidation of Olefins by Nonheme Manganese(IV)-Oxo Complexes. *Journal of the American Chemical Society*, **2016**, 138, 10654-63	16.4	44
128	Nuclear Resonance Vibrational Spectroscopic Definition of Peroxy Intermediates in Nonheme Iron Sites. *Journal of the American Chemical Society*, **2016**, 138, 14294-14302	16.4	4
127	Switchover of the Mechanism between Electron Transfer and Hydrogen-Atom Transfer for a Protonated Manganese(IV)□Oxo Complex by Changing Only the Reaction Temperature. *Angewandte Chemie*, **2016**, 128, 7576-7580	3.6	8
126	A Manganese(V)-Oxo Complex: Synthesis by Dioxygen Activation and Enhancement of Its Oxidizing Power by Binding Scandium Ion. *Journal of the American Chemical Society*, **2016**, 138, 8523-32	16.4	101
125	Mononuclear Nonheme High-Spin Iron(III)-Acylperoxo Complexes in Olefin Epoxidation and Alkane Hydroxylation Reactions. *Journal of the American Chemical Society*, **2016**, 138, 2426-36	16.4	54
124	An amphoteric reactivity of a mixed-valent bis(□oxo)dimanganese(III,IV) complex acting as an electrophile and a nucleophile. *Dalton Transactions*, **2016**, 45, 376-83	4.3	19
123	Proton-Promoted and Anion-Enhanced Epoxidation of Olefins by Hydrogen Peroxide in the Presence of Nonheme Manganese Catalysts. *Journal of the American Chemical Society*, **2016**, 138, 936-43	16.4	83
122	Enhanced Electron Transfer Reactivity of a Nonheme Iron(IV)-Imido Complex as Compared to the Iron(IV)-Oxo Analogue. *Angewandte Chemie - International Edition*, **2016**, 55, 3709-13	16.4	22
121	Mononuclear Nonheme High-Spin (S=2) versus Intermediate-Spin (S=1) Iron(IV)-Oxo Complexes in Oxidation Reactions. *Angewandte Chemie - International Edition*, **2016**, 55, 8027-31	16.4	38
120	Mononuclear Nonheme High-Spin (S=2) versus Intermediate-Spin (S=1) Iron(IV)□Oxo Complexes in Oxidation Reactions. *Angewandte Chemie*, **2016**, 128, 8159-8163	3.6	10
119	Switchover of the Mechanism between Electron Transfer and Hydrogen-Atom Transfer for a Protonated Manganese(IV)-Oxo Complex by Changing Only the Reaction Temperature. *Angewandte Chemie - International Edition*, **2016**, 55, 7450-4	16.4	36
118	Factors That Control the Reactivity of Cobalt(III)-Nitrosyl Complexes in Nitric Oxide Transfer and Dioxygenation Reactions: A Combined Experimental and Theoretical Investigation. *Journal of the American Chemical Society*, **2016**, 138, 7753-7762	16.4	24

117	A mononuclear nonheme cobalt(iii)-hydroperoxide complex with an amphoteric reactivity in electrophilic and nucleophilic oxidative reactions. *Dalton Transactions*, **2016**, 45, 14511-5	4.3	23
116	Enhanced Electron Transfer Reactivity of a Nonheme Iron(IV)–Imido Complex as Compared to the Iron(IV)-Oxo Analogue. *Angewandte Chemie*, **2016**, 128, 3773-3777	3.6	6
115	Mechanistic Insight into the Nitric Oxide Dioxygenation Reaction of Nonheme Iron(III)–Superoxo and Manganese(IV)–Peroxo Complexes. *Angewandte Chemie*, **2016**, 128, 12591-12595	3.6	5
114	Mechanistic Insight into the Nitric Oxide Dioxygenation Reaction of Nonheme Iron(III)-Superoxo and Manganese(IV)-Peroxo Complexes. *Angewandte Chemie - International Edition*, **2016**, 55, 12403-7	16.4	13
113	Mononuclear nonheme iron(IV)-oxo and manganese(IV)-oxo complexes in oxidation reactions: experimental results prove theoretical prediction. *Chemical Communications*, **2015**, 51, 13094-7	5.8	34
112	Interplay of Experiment and Theory in Elucidating Mechanisms of Oxidation Reactions by a Nonheme Ru(IV)O Complex. *Journal of the American Chemical Society*, **2015**, 137, 8623-32	16.4	69
111	Determination of Spin Inversion Probability, H-Tunneling Correction, and Regioselectivity in the Two-State Reactivity of Nonheme Iron(IV)-Oxo Complexes. *Journal of Physical Chemistry Letters*, **2015**, 6, 1472-6	6.4	52
110	Tuning the Reactivity of Mononuclear Nonheme Manganese(IV)-Oxo Complexes by Triflic Acid. *Chemical Science*, **2015**, 6, 3624-3632	9.4	70
109	Reactions of Co(III)-nitrosyl complexes with superoxide and their mechanistic insights. *Journal of the American Chemical Society*, **2015**, 137, 4284-7	16.4	30
108	Tuning the Reactivity of Chromium(III)-Superoxo Species by Coordinating Axial Ligands. *Inorganic Chemistry*, **2015**, 54, 10513-20	5.1	15
107	Mononuclear Nonheme Iron(III)-Iodosylarene and High-Valent Iron-Oxo Complexes in Olefin Epoxidation Reactions. *Angewandte Chemie - International Edition*, **2015**, 54, 11740-4	16.4	39
106	Mononuclear Nonheme Iron(III)-Iodosylarene and High-Valent Iron-Oxo Complexes in Olefin Epoxidation Reactions. *Angewandte Chemie*, **2015**, 127, 11906-11910	3.6	7
105	Tuning the Redox Properties of a Nonheme Iron(III)-Peroxo Complex Binding Redox-Inactive Zinc Ions by Water Molecules. *Chemistry - A European Journal*, **2015**, 21, 10676-80	4.8	12
104	Lewis Acid Coupled Electron Transfer of Metal-Oxygen Intermediates. *Chemistry - A European Journal*, **2015**, 21, 17548-59	4.8	98
103	Mechanistic insights into the reactions of hydride transfer versus hydrogen atom transfer by a trans-dioxoruthenium(VI) complex. *Dalton Transactions*, **2015**, 44, 7634-42	4.3	18
102	Efficient Epoxidation of Styrene Derivatives by a Nonheme Iron(IV)-Oxo Complex via Proton-Coupled Electron Transfer with Triflic Acid. *Inorganic Chemistry*, **2015**, 54, 5806-12	5.1	46
101	A nonheme manganese(IV)-oxo species generated in photocatalytic reaction using water as an oxygen source. *Chemical Communications*, **2015**, 51, 4013-6	5.8	25
100	Tuning reactivity and mechanism in oxidation reactions by mononuclear nonheme iron(IV)-oxo complexes. *Accounts of Chemical Research*, **2014**, 47, 1146-54	24.3	374

99	Highly Reactive Nonheme Iron(III) Iodosylarene Complexes in Alkane Hydroxylation and Sulfoxidation Reactions. *Angewandte Chemie*, **2014**, 126, 6506-6510	3.6	14
98	Highly reactive nonheme iron(III) iodosylarene complexes in alkane hydroxylation and sulfoxidation reactions. *Angewandte Chemie - International Edition*, **2014**, 53, 6388-92	16.4	54
97	Catalytic oxidation of alkanes by iron bispidine complexes and dioxygen: oxygen activation versus autoxidation. *Chemical Communications*, **2014**, 50, 412-4	5.8	46
96	Conversion of high-spin iron(III)–alkylperoxo to iron(IV)–oxo species via O–O bond homolysis in nonheme iron models. *Chemical Science*, **2014**, 5, 156-162	9.4	39
95	Demonstration of the Heterolytic O?O Bond Cleavage of Putative Nonheme Iron(II)?OOH(R) Complexes for Fenton and Enzymatic Reactions. *Angewandte Chemie*, **2014**, 126, 7977-7981	3.6	21
94	Spectroscopic characterization and reactivity studies of a mononuclear nonheme Mn(III)-hydroperoxo complex. *Journal of the American Chemical Society*, **2014**, 136, 12229-32	16.4	41
93	Redox-inactive metal ions modulate the reactivity and oxygen release of mononuclear non-haem iron(III)-peroxo complexes. *Nature Chemistry*, **2014**, 6, 934-40	17.6	111
92	Autocatalytic formation of an iron(IV)-oxo complex via scandium ion-promoted radical chain autoxidation of an iron(II) complex with dioxygen and tetraphenylborate. *Journal of the American Chemical Society*, **2014**, 136, 8042-9	16.4	30
91	Demonstration of the heterolytic O-O bond cleavage of putative nonheme iron(II)-OOH(R) complexes for Fenton and enzymatic reactions. *Angewandte Chemie - International Edition*, **2014**, 53, 7843-7	16.4	40
90	Unified view of oxidative C-H bond cleavage and sulfoxidation by a nonheme iron(IV)-oxo complex via Lewis acid-promoted electron transfer. *Inorganic Chemistry*, **2014**, 53, 3618-28	5.1	97
89	Hydride transfer from NADH analogues to a nonheme manganese(IV)-oxo complex via rate-determining electron transfer. *Chemical Communications*, **2014**, 50, 12944-6	5.8	12
88	A Mononuclear Nonheme Iron(III)-Peroxo Complex Binding Redox-Inactive Metal Ions. *Chemical Science*, **2013**, 4, 3917-3923	9.4	69
87	Water oxidation catalysis with nonheme iron complexes under acidic and basic conditions: homogeneous or heterogeneous?. *Inorganic Chemistry*, **2013**, 52, 9522-31	5.1	144
86	Protonation equilibrium and hydrogen production by a dinuclear cobalt-hydride complex reduced by cobaltocene with trifluoroacetic acid. *Journal of the American Chemical Society*, **2013**, 135, 15294-7	16.4	69
85	Reactivity comparison of high-valent iron(IV)-oxo complexes bearing N-tetramethylated cyclam ligands with different ring size. *Dalton Transactions*, **2013**, 42, 7842-5	4.3	52
84	Intrinsic properties and reactivities of mononuclear nonheme iron–oxygen complexes bearing the tetramethylcyclam ligand. *Coordination Chemistry Reviews*, **2013**, 257, 381-393	23.2	140
83	An autocatalytic radical chain pathway in formation of an iron(IV)-oxo complex by oxidation of an iron(II) complex with dioxygen and isopropanol. *Chemical Communications*, **2013**, 49, 2500-2	5.8	17
82	Brønsted acid-promoted C-H bond cleavage via electron transfer from toluene derivatives to a protonated nonheme iron(IV)-oxo complex with no kinetic isotope effect. *Journal of the American Chemical Society*, **2013**, 135, 5052-61	16.4	86

81	Temperature-independent catalytic two-electron reduction of dioxygen by ferrocenes with a copper(II) tris[2-(2-pyridyl)ethyl]amine catalyst in the presence of perchloric acid. *Journal of the American Chemical Society*, **2013**, 135, 2825-34	16.4	56
80	Acid-induced mechanism change and overpotential decrease in dioxygen reduction catalysis with a dinuclear copper complex. *Journal of the American Chemical Society*, **2013**, 135, 4018-26	16.4	49
79	A mononuclear non-heme manganese(IV)-oxo complex binding redox-inactive metal ions. *Journal of the American Chemical Society*, **2013**, 135, 6388-91	16.4	156
78	Enhanced electron-transfer reactivity of nonheme manganese(IV)-oxo complexes by binding scandium ions. *Journal of the American Chemical Society*, **2013**, 135, 9186-94	16.4	111
77	Effects of proton acceptors on formation of a non-heme iron(IV)-oxo complex via proton-coupled electron transfer. *Inorganic Chemistry*, **2013**, 52, 3094-101	5.1	23
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