

zhuqi Chen

List of Publications by Year in descending order

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137
papers

7,593
citations

57681

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h-index

68831

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all docs

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docs citations

141
times ranked

6626
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison study of bottom-up and top-down methods for analyzing the physical composition of municipal solid waste. <i>Journal of Industrial Ecology</i> , 2022, 26, 240-251.	2.8	5
2	Identification of step-by-step oxidation process and its driving mechanism in the peroxymonosulfate catalytically activated with redox metal oxides. <i>Chemical Engineering Journal</i> , 2022, 436, 131256.	6.6	8
3	Enhanced degradation of organic compounds through the interfacial transfer of electrons in the presence of phosphate and Nitrogen-cobalt doped graphitic carbon. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1641-1650.	5.0	16
4	Lanthanum hydroxide engineered sewage sludge biochar for efficient phosphate elimination: Mechanism interpretation using physical modelling. <i>Science of the Total Environment</i> , 2022, 803, 149888.	3.9	20
5	Biochar-based activation of peroxide: multivariate-controlled performance, modulatory surface reactive sites and tunable oxidative species. <i>Chemical Engineering Journal</i> , 2022, 428, 131233.	6.6	37
6	Application of a multilayer physical model for the critical analysis of the adsorption of nicotinamide and propranolol on magnetic-activated carbon. <i>Environmental Science and Pollution Research</i> , 2022, 29, 30184-30192.	2.7	8
7	Interlayered modified hydroxides for removal of graphene oxide from water: Mechanism and secondary applications. <i>Separation and Purification Technology</i> , 2022, 284, 120305.	3.9	6
8	Persulfate coupled with Cu ²⁺ /LDH-MoS ₄ : A novel process for the efficient atrazine abatement, mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2022, 436, 134933.	6.6	17
9	Pd(II)/Lewis acid catalyzed regioselective olefination of indole with dioxygen. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1425-1435.	1.5	6
10	Effects of foreign metal doping on the step-by-step oxidation process in M-OMS-2 catalyzed activation of PMS. <i>Journal of Hazardous Materials</i> , 2022, 434, 128773.	6.5	20
11	Palladium(II)/Lewis Acid-Catalyzed Olefination of Arylacetamides with Dioxygen. <i>Journal of Organic Chemistry</i> , 2022, 87, 4524-4537.	1.7	8
12	Heterogeneous activation of persulfate by metal and non-metal catalyst for the degradation of sulfamethoxazole: A review. <i>Chemical Engineering Journal</i> , 2022, 437, 135277.	6.6	128
13	Phosphate sequestration by lanthanum-layered rare earth hydroxides through multiple mechanisms while avoiding the attenuation effect from sediment particles in lake water. <i>Science of the Total Environment</i> , 2022, 830, 154786.	3.9	8
14	Influences of chemical treatment on sludge derived biochar; Physicochemical properties and potential sorption mechanisms of lead (II) and methylene blue. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107725.	3.3	16
15	A review on the adsorption mechanism of different organic contaminants by covalent organic framework (COF) from the aquatic environment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32566-32593.	2.7	36
16	Synthesis, characterization, antibacterial activities, molecular docking, and computational investigation of novel imine-linked covalent organic framework. <i>Journal of Molecular Liquids</i> , 2022, 358, 119191.	2.3	18
17	Understanding the nonradical activation of peroxymonosulfate by different crystallographic MnO ₂ : The pivotal role of Mn ^{III} content on the surface. <i>Journal of Hazardous Materials</i> , 2022, 439, 129613.	6.5	41
18	Tunable S doping from Co ₃ O ₄ to Co ₉ S ₈ for peroxymonosulfate activation: Distinguished Radical/Nonradical species and generation pathways. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119605.	10.8	165

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19	Modulating the redox cycles of homogenous Fe(III)/PMS system through constructing electron rich rhiomolybdate centres in confined layered double hydroxides. <i>Chemical Engineering Journal</i> , 2021, 408, 127242.	6.6	76
20	Emergency response to the explosive growth of health care wastes during COVID-19 pandemic in Wuhan, China. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105074.	5.3	75
21	Recycling application of modified waste electrolytic manganese anode slag as efficient catalyst for PMS activation. <i>Science of the Total Environment</i> , 2021, 762, 143120.	3.9	30
22	Palladium (II)-catalyzed homogeneous alcohol oxidations: Disclosing the crucial contribution of palladium nanoparticles in catalysis. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6093.	1.7	2
23	Theoretical study and analysis of o-nitrophenol adsorption using layered double hydroxides containing Ca-Al, Ni-Al and Zn-Al. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44547-44556.	2.7	7
24	Nonradical oxidation processes in PMS-based heterogeneous catalytic system: Generation, identification, oxidation characteristics, challenges response and application prospects. <i>Chemical Engineering Journal</i> , 2021, 410, 128312.	6.6	141
25	Quantitative evaluation of infectious health care wastes from numbers of confirmed, suspected and out-patients during COVID-19 pandemic: A case study of Wuhan. <i>Waste Management</i> , 2021, 126, 323-330.	3.7	21
26	Make it clean, make it safe: A review on virus elimination via adsorption. <i>Chemical Engineering Journal</i> , 2021, 412, 128682.	6.6	40
27	Decarboxylative Addition of Propiolic Acids with Indoles to Synthesize Bis(indolyl)methane Derivatives with a Pd(II)/LA Catalyst. <i>Journal of Organic Chemistry</i> , 2021, 86, 8333-8350.	1.7	12
28	Phosphate-lanthanum coated sewage sludge biochar improved the soil properties and growth of ryegrass in an alkaline soil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 216, 112173.	2.9	21
29	Regulating activation pathway of Cu/persulfate through the incorporation of unreducible metal oxides: Pivotal role of surface oxygen vacancies. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119914.	10.8	102
30	The excursion covered for the elimination of chromate by exploring the coordination mechanisms between chromium species and various functional groups. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213868.	9.5	21
31	Physicochemical assessment of anionic dye adsorption on bone char using a multilayer statistical physics model. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67248-67255.	2.7	20
32	Adsorption of 3-aminophenol and resorcinol on avocado seed activated carbon: Mathematical modelling, thermodynamic study and description of adsorbent performance. <i>Journal of Molecular Liquids</i> , 2021, 342, 116952.	2.3	21
33	Adsorption of ketoprofen and 2- nitrophenol on activated carbon prepared from winery wastes: A combined experimental and theoretical study. <i>Journal of Molecular Liquids</i> , 2021, 333, 115906.	2.3	40
34	Removal of heavy metals by covalent organic frameworks (COFs): A review on its mechanism and adsorption properties. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105687.	3.3	114
35	Feasible synthesis of bifurfural from renewable furfural derived 5-bromofurfural for polymerization. <i>Molecular Catalysis</i> , 2021, 513, 111814.	1.0	3
36	Recyclable process modeling study of hexavalent chromium elimination by thiol-based electron donor: Implications for practical applicability. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105645.	3.3	7

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37	Implementation of a multilayer statistical physics model to interpret the adsorption of food dyes on a chitosan film. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105516.	3.3	34
38	Interpret the elimination behaviors of lead and vanadium from the water by employing functionalized biochars in diverse environmental conditions. <i>Science of the Total Environment</i> , 2021, 789, 148031.	3.9	12
39	Synergistic effects of Co and N doped on graphitic carbon as an in situ surface-bound radical generation for the rapid degradation of emerging contaminants. <i>Chemical Engineering Journal</i> , 2021, 421, 129818.	6.6	61
40	Impact of chloride ions on activated persulfates based advanced oxidation process (AOPs): A mini review. <i>Chemosphere</i> , 2021, 280, 130949.	4.2	70
41	Application of layered double hydroxide enriched with electron rich sulfide moieties (S ₂ O ₄ ²⁻) for efficient and selective removal of vanadium (V) from diverse aqueous medium. <i>Science of the Total Environment</i> , 2021, 792, 148543.	3.9	10
42	High-performance removal of radionuclides by porous organic frameworks from the aquatic environment: A review. <i>Journal of Environmental Radioactivity</i> , 2021, 238-239, 106710.	0.9	12
43	Isolated copper ions and surface hydroxyl groups as a function of non-redox metals to modulate the reactivity and persulfate activation mechanism of spinel oxides. <i>Chemical Engineering Journal</i> , 2021, 425, 130679.	6.6	31
44	Enhanced simultaneous removal of toxic (SeO ₄) ₂ ²⁻ and metals Cr ³⁺ and Cu ²⁺ using polysulfide intercalated Layered double hydroxide. <i>Separation and Purification Technology</i> , 2021, 279, 119649.	3.9	5
45	Review on carbonaceous materials as persulfate activators: structure-performance relationship, mechanism and future perspectives on water treatment. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8012-8050.	5.2	90
46	Understanding the synergetic effect from foreign metals in bimetallic oxides for PMS activation: A common strategy to increase the stoichiometric efficiency of oxidants. <i>Chemical Engineering Journal</i> , 2020, 381, 122587.	6.6	158
47	A self-gating proton-coupled electron transfer reduction of hexavalent chromium by core-shell SBA-Dithiocarbamate chitosan composite. <i>Journal of Hazardous Materials</i> , 2020, 384, 121257.	6.5	34
48	Understanding the adsorption mechanism of Ag ⁺ and Hg ²⁺ on functionalized layered double hydroxide via statistical physics modeling. <i>Applied Clay Science</i> , 2020, 198, 105828.	2.6	47
49	Feasible Synthesis of a Bifuran-Based Monomer for Polymer Synthesis from a Hemicellulose-Derived Platform. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19876-19883.	1.8	12
50	Synergistic adsorption of Pb ²⁺ and CrO ₄ ²⁻ on an engineered biochar highlighted by statistical physical modeling. <i>Journal of Molecular Liquids</i> , 2020, 312, 113483.	2.3	24
51	Elimination of atrazine through radical/non-radical combined processes by manganese nano-catalysts/PMS and implications to the structure-performance relationship. <i>Chemical Engineering Journal</i> , 2020, 397, 125425.	6.6	69
52	Engineered biochar with anisotropic layered double hydroxide nanosheets to simultaneously and efficiently capture Pb ²⁺ and CrO ₄ ²⁻ from electroplating wastewater. <i>Bioresource Technology</i> , 2020, 306, 123118.	4.8	66
53	pH-dependent transformation products and residual toxicity evaluation of sulfamethoxazole degradation through non-radical oxygen species involved process. <i>Chemical Engineering Journal</i> , 2020, 390, 124512.	6.6	48
54	Palladium(II)/Lewis Acid-Catalyzed Oxidative Olefination/Annulation of <i>N</i> -Methoxybenzamides: Identifying the Active Intermediates through NMR Characterizations. <i>Journal of Organic Chemistry</i> , 2020, 85, 8760-8772.	1.7	17

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55	Red mud modified sludge biochar for the activation of peroxymonosulfate: Singlet oxygen dominated mechanism and toxicity prediction. <i>Science of the Total Environment</i> , 2020, 740, 140388.	3.9	124
56	pH tunable anionic and cationic heavy metal reduction coupled adsorption by thiol cross-linked composite: Physicochemical interpretations and fixed-bed column mathematical model study. <i>Chemical Engineering Journal</i> , 2020, 401, 126041.	6.6	39
57	Origin of the outstanding performance of Zn Al and Mg Fe layered double hydroxides in the adsorption of 2-nitrophenol: A statistical physics assessment. <i>Journal of Molecular Liquids</i> , 2020, 314, 113572.	2.3	13
58	Non-radical PMS activation by the nanohybrid material with periodic confinement of reduced graphene oxide (rGO) and Cu hydroxides. <i>Journal of Hazardous Materials</i> , 2020, 392, 122316.	6.5	125
59	Tuning of Persulfate Activation from a Free Radical to a Nonradical Pathway through the Incorporation of Non-Redox Magnesium Oxide. <i>Environmental Science & Technology</i> , 2020, 54, 2476-2488.	4.6	374
60	One-step preparation of ZVI-sludge derived biochar without external source of iron and its application on persulfate activation. <i>Science of the Total Environment</i> , 2020, 714, 136728.	3.9	121
61	Black liquor as biomass feedstock to prepare zero-valent iron embedded biochar with red mud for Cr(VI) removal: Mechanisms insights and engineering practicality. <i>Bioresource Technology</i> , 2020, 311, 123553.	4.8	54
62	Regulating the redox centers of Fe through the enrichment of Mo moiety for persulfate activation: A new strategy to achieve maximum persulfate utilization efficiency. <i>Water Research</i> , 2020, 181, 115862.	5.3	117
63	Adsorptive purification of heavy metal contaminated wastewater with sewage sludge derived carbon-supported Mg(II) composite. <i>Science of the Total Environment</i> , 2019, 691, 306-321.	3.9	79
64	Efficient and selective removal of chromium (VI) by sulfide assembled hydrotalcite compounds through concurrent reduction and adsorption processes. <i>Journal of Molecular Liquids</i> , 2019, 294, 111532.	2.3	24
65	The hetero-assembly of reduced graphene oxide and hydroxide nanosheets as superlattice materials in PMS activation. <i>Carbon</i> , 2019, 155, 740-755.	5.4	58
66	Lewis Acid Promoted Aerobic Oxidative Coupling of Thiols with Phosphonates by Simple Nickel(II) Catalyst: Substrate Scope and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2019, 84, 4179-4190.	1.7	39
67	Lewis acid promoted double bond migration in O-allyl to Z-products by Ru-H complexes. <i>Molecular Catalysis</i> , 2019, 469, 10-17.	1.0	6
68	Degradation of Phenol Using Peroxymonosulfate Activated by a High Efficiency and Stable CoMgAl-LDH Catalyst. <i>Materials</i> , 2019, 12, 968.	1.3	14
69	Aqueous Carbonylation of Furfural-Derived 5-Bromofuroic Acid to 2,5-Furandicarboxylic Acid with Supported Palladium Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22951-22957.	1.8	10
70	Catalytic carbonylation of renewable furfural derived 5-bromofurfural to 5-formyl-2-furancarboxylic acid in oil/aqueous bi-phase system. <i>Molecular Catalysis</i> , 2019, 463, 94-98.	1.0	13
71	Selective removal of heavy metals by hydrotalcites as adsorbents in diverse wastewater: Different intercalated anions with different mechanisms. <i>Journal of Cleaner Production</i> , 2019, 211, 1112-1126.	4.6	85
72	Non-redox metal ions accelerated oxygen atom transfer by Mn-Me3tacn complex with H2O2 as oxygen resource. <i>Molecular Catalysis</i> , 2018, 448, 46-52.	1.0	10

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73	Facile synthesis of yolk shell Mn ₂ O ₃ @Mn ₅ O ₈ as an effective catalyst for peroxymonosulfate activation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13909-13919.	1.3	94
74	Facile One-Pot Synthesis of Sustainable Carboxymethyl Chitosan @“ Sewage Sludge Biochar for Effective Heavy Metal Chelation and Regeneration. <i>Bioresource Technology</i> , 2018, 262, 22-31.	4.8	118
75	Towards a better understanding on mercury adsorption by magnetic bio-adsorbents with γ -Fe ₂ O ₃ from pinewood sawdust derived hydrochar: Influence of atmosphere in heat treatment. <i>Bioresource Technology</i> , 2018, 256, 269-276.	4.8	62
76	Catalytic Oxidation of Alkynes into 1,2- α -Diketone Derivatives by Using a Pd ^{II} /Lewis α -Acid Catalyst. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 212-219.	1.3	27
77	Efficient, stable and selective adsorption of heavy metals by thio-functionalized layered double hydroxide in diverse types of water. <i>Chemical Engineering Journal</i> , 2018, 332, 387-397.	6.6	129
78	Highly efficient γ -Mn ₂ O ₃ @ γ -MnO ₂ -500 nanocomposite for peroxymonosulfate activation: comprehensive investigation of manganese oxides. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1590-1600.	5.2	184
79	Activation of persulfate by CuO _x @Co-LDH: A novel heterogeneous system for contaminant degradation with broad pH window and controlled leaching. <i>Chemical Engineering Journal</i> , 2018, 335, 548-559.	6.6	218
80	Pd based in situ AOPs with heterogeneous catalyst of FeMgAl layered double hydroxide for the degradation of bisphenol A and landfill leachate through multiple pathways. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35623-35636.	2.7	6
81	Synthesis of 2,5-furandicarboxylic acid by catalytic carbonylation of renewable furfural derived 5-bromofuroic acid. <i>Molecular Catalysis</i> , 2018, 455, 204-209.	1.0	23
82	Enhanced degradation of isoproturon in soil through persulfate activation by Fe-based layered double hydroxide: different reactive species comparing with activation by homogenous Fe(II). <i>Environmental Science and Pollution Research</i> , 2018, 25, 26394-26404.	2.7	17
83	Efficient Synthesis of 2,5-Furandicarboxylic Acid from Furfural Based Platform through Aqueous-Phase Carbonylation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13192-13198.	3.2	22
84	Support-dependent active species formation for CuO catalysts: Leading to efficient pollutant degradation in alkaline conditions. <i>Journal of Hazardous Materials</i> , 2017, 328, 56-62.	6.5	34
85	Synergistic degradation of phenols using peroxymonosulfate activated by CuO-Co ₃ O ₄ @MnO ₂ nanocatalyst. <i>Journal of Hazardous Materials</i> , 2017, 329, 262-271.	6.5	183
86	Efficient Bimetallic Catalysis of Nitrile Hydration to Amides with a Simple Pd(OAc) ₂ /Lewis Acid Catalyst at Ambient Temperature. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1870-1875.	1.2	41
87	Non-redox metal ions promoted dehydrogenation of saturated C=C bond by a ruthenium catalyst with dioxygen activation. <i>Molecular Catalysis</i> , 2017, 432, 259-266.	1.0	6
88	A General Strategy for Open α -Flask Alkene Isomerization by Ruthenium Hydride Complexes with Non α -Redox Metal Salts. <i>ChemCatChem</i> , 2017, 9, 3849-3859.	1.8	11
89	One-step preparation and application of magnetic sludge-derived biochar on acid orange 7 removal via both adsorption and persulfate based oxidation. <i>RSC Advances</i> , 2017, 7, 18696-18706.	1.7	107
90	Highly Efficient Lead Distribution by Magnetic Sewage Sludge Biochar: Sorption Mechanisms and Bench Applications. <i>Bioresource Technology</i> , 2017, 238, 399-406.	4.8	198

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91	Nonredox Metal-Ions-Enhanced Dioxygen Activation by Oxidovanadium(IV) Complexes toward Hydrogen Atom Abstraction. <i>Inorganic Chemistry</i> , 2017, 56, 834-844.	1.9	28
92	Transformation of Methyl Linoleate to its Conjugated Derivatives with Simple Pd(OAc) ₂ /Lewis Acid Catalyst. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 1481-1489.	0.8	3
93	Catalytic Synthesis of 2,5-Furandicarboxylic Acid from Furoic Acid: Transformation from C5 Platform to C6 Derivatives in Biomass Utilizations. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9360-9369.	3.2	39
94	Accessing the HMF Derivatives from Furfural Acetate through Oxidative Carbonylation. <i>ChemistrySelect</i> , 2017, 2, 7096-7099.	0.7	9
95	Transformation of Unsaturated Fatty Acids/Esters to Corresponding Keto Fatty Acids/Esters by Aerobic Oxidation with Pd(II)/Lewis Acid Catalyst. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6912-6918.	2.4	8
96	Treatment of refractory contaminants by sludge-derived biochar/persulfate system via both adsorption and advanced oxidation process. <i>Chemosphere</i> , 2017, 185, 754-763.	4.2	170
97	Fe-MoS ₄ : An Effective and Stable LDH-Based Adsorbent for Selective Removal of Heavy Metals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28451-28463.	4.0	135
98	Nonredox Metal Ions Promoted Olefin Epoxidation by Iron(II) Complexes with H ₂ O ₂ : DFT Calculations Reveal Multiple Channels for Oxygen Transfer. <i>Inorganic Chemistry</i> , 2017, 56, 15138-15149.	1.9	35
99	Promoting a non-heme manganese complex catalyzed oxygen transfer reaction by both lewis acid and Brønsted acid: Similarities and distinctions. <i>Molecular Catalysis</i> , 2017, 438, 230-238.	1.0	13
100	Non-redox metal ions promoted oxidative dehydrogenation of saturated C C bond by simple Pd(OAc) ₂ catalyst. <i>Catalysis Communications</i> , 2017, 90, 5-9.	1.6	23
101	Non-redox metal ion promoted oxidative coupling of indoles with olefins by the palladium(II) acetate catalyst through dioxygen activation: experimental results with DFT calculations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4146-4157.	1.5	45
102	Bimetallic synergistic degradation of chlorophenols by CuCoO _x @LDH catalyst in bicarbonate-activated hydrogen peroxide system. <i>RSC Advances</i> , 2016, 6, 72643-72653.	1.7	18
103	Immobilization of Cd in landfill-leachate-contaminated soil with cow manure compost as soil conditioners: A laboratory study. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 1276-1283.	0.9	6
104	Synergistic oxygen atom transfer by ruthenium complexes with non-redox metal ions. <i>Dalton Transactions</i> , 2016, 45, 11369-11383.	1.6	18
105	Nonredox Metal-Ion-Accelerated Olefin Isomerization by Palladium(II) Catalysts: Density Functional Theory (DFT) Calculations Supporting the Experimental Data. <i>ACS Catalysis</i> , 2016, 6, 4144-4148.	5.5	34
106	Bicarbonate activation of hydrogen peroxide: A new emerging technology for wastewater treatment. <i>Chinese Journal of Catalysis</i> , 2016, 37, 810-825.	6.9	41
107	Synergistic degradation of phenols by bimetallic CuO@Co ₃ O ₄ @ γ -Al ₂ O ₃ catalyst in H ₂ O ₂ /HCO ₃ ⁻ system. <i>Chinese Journal of Catalysis</i> , 2016, 37, 963-970.	6.9	20
108	Demulsifying water-in-oil emulsions by ethyl cellulose demulsifiers studied using focused beam reflectance measurement. <i>Chemical Engineering Science</i> , 2015, 130, 254-263.	1.9	39

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109	The reactivity of the active metal oxo and hydroxo intermediates and their implications in oxidations. <i>Chemical Society Reviews</i> , 2015, 44, 1083-1100.	18.7	135
110	Removal of refractory contaminants in municipal landfill leachate by hydrogen, oxygen and palladium: A novel approach of hydroxyl radical production. <i>Journal of Hazardous Materials</i> , 2015, 287, 349-355.	6.5	22
111	Synthesis, Structural Studies, and Oxidation Catalysis of the Late-First-Row-Transition-Metal Complexes of a 2-Pyridylmethyl Pendant-Armed Ethylene Cross-Bridged Cyclam. <i>Inorganic Chemistry</i> , 2015, 54, 2221-2234.	1.9	32
112	Transformation of 5-Hydroxymethylfurfural (HMF) to Maleic Anhydride by Aerobic Oxidation with Heteropolyacid Catalysts. <i>ACS Catalysis</i> , 2015, 5, 2035-2041.	5.5	115
113	Synthesis, structural studies, and oxidation catalysis of the manganese(II), iron(II), and copper(II) complexes of a 2-pyridylmethyl pendant armed side-bridged cyclam. <i>Inorganic Chemistry Communication</i> , 2015, 59, 71-75.	1.8	15
114	Synthesis, structural studies, kinetic stability, and oxidation catalysis of the late first row transition metal complexes of 4,10-dimethyl-1,4,7,10-tetraazabicyclo[6.5.2]pentadecane. <i>Dalton Transactions</i> , 2015, 44, 12210-12224.	1.6	15
115	Redox inactive metal ion triggered N-dealkylation by an iron catalyst with dioxygen activation: a lesson from lipoxygenases. <i>Dalton Transactions</i> , 2015, 44, 9847-9859.	1.6	24
116	Controlled leaching with prolonged activity for Co ^{II} -LDH supported catalyst during treatment of organic dyes using bicarbonate activation of hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2015, 289, 165-173.	6.5	75
117	Redox-inactive metal ions promoted the catalytic reactivity of non-heme manganese complexes towards oxygen atom transfer. <i>Dalton Transactions</i> , 2015, 44, 9182-9192.	1.6	39
118	Non-redox metal ions can promote Wacker-type oxidations even better than copper(II): a new opportunity in catalyst design. <i>Dalton Transactions</i> , 2015, 44, 17508-17515.	1.6	40
119	Non-redox metal ion promoted oxygen transfer by a non-heme manganese catalyst. <i>Chemical Communications</i> , 2015, 51, 1874-1877.	2.2	50
120	Influence of Calcium(II) and Chloride on the Oxidative Reactivity of a Manganese(II) Complex of a Cross-Bridged Cyclen Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 11937-11947.	1.9	44
121	Degradation of Chlorophenols by Supported Co ^{II} -Mg ^{II} -Al Layered Double Hydroxide with Bicarbonate Activated Hydrogen Peroxide. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10028-10035.	1.1	93
122	Catalytic aerobic oxidation of renewable furfural to maleic anhydride and furanone derivatives with their mechanistic studies. <i>Green Chemistry</i> , 2014, 16, 4351-4358.	4.6	95
123	A carbazole-functionalized Ir complex used in efficient single-layer electrophosphorescent devices. <i>Polyhedron</i> , 2013, 52, 144-150.	1.0	3
124	Lewis-Acid-Promoted Stoichiometric and Catalytic Oxidations by Manganese Complexes Having Cross-Bridged Cyclam Ligand: A Comprehensive Study. <i>Inorganic Chemistry</i> , 2013, 52, 5418-5427.	1.9	65
125	Redox Inactive Metal Ion Promoted C-H Activation of Benzene to Phenol with Pd ^{II} (bpym): Demonstrating New Strategies in Catalyst Designs. <i>Chemistry - an Asian Journal</i> , 2013, 8, 888-891.	1.7	41
126	Degradation of Organic Pollutants in Wastewater by Bicarbonate-Activated Hydrogen Peroxide with a Supported Cobalt Catalyst. <i>Environmental Science & Technology</i> , 2013, 47, 3833-3839.	4.6	236

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127	Functional Ir ^{III} Complexes and Their Applications. <i>Advanced Materials</i> , 2010, 22, 1534-1539.	11.1	253
128	Efficient near-infrared organic light-emitting diodes based on multimetallic assemblies of lanthanides and iridium complexes. <i>Organic Electronics</i> , 2010, 11, 369-376.	1.4	39
129	Sensitized luminescence from lanthanides in f bimetallc complexes. <i>Coordination Chemistry Reviews</i> , 2010, 254, 991-1010.	9.5	203
130	Multisignaling detection of cyanide anions based on an iridium(III) complex: remarkable enhancement of sensitivity by coordination effect. <i>New Journal of Chemistry</i> , 2010, 34, 132-136.	1.4	38
131	Synthesis and electroluminescent property of novel europium complexes with oxadiazole substituted 1,10-phenanthroline and 2,2'-bipyridine ligands. <i>New Journal of Chemistry</i> , 2010, 34, 487.	1.4	36
132	Highly efficient, orange-red organic light-emitting diodes using a series of green-emission iridium complexes as hosts. <i>Organic Electronics</i> , 2009, 10, 247-255.	1.4	41
133	A highly efficient OLED based on terbium complexes. <i>Organic Electronics</i> , 2009, 10, 939-947.	1.4	52
134	Ground and excited state intramolecular proton transfer controlled intramolecular charge separation and recombination: A new type of charge and proton transfer reaction. <i>Chemical Physics</i> , 2008, 348, 181-186.	0.9	21
135	Highly Efficient Sensitized Red Emission from Europium (III) in Ir ^{III} -Eu Bimetallic Complexes by 3MLCT Energy Transfer. <i>Inorganic Chemistry</i> , 2008, 47, 2507-2513.	1.9	95
136	Energy transfer pathways in the carbazole functionalized β^2 -diketonate europium complexes. <i>New Journal of Chemistry</i> , 2007, 31, 1639.	1.4	40
137	The host materials containing carbazole and oxadiazole fragment for red triplet emitter in organic light-emitting diodes. <i>Organic Electronics</i> , 2006, 7, 330-336.	1.4	46