

Hongbing Ji

List of Publications by Year in descending order

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285
papers

12,588
citations

23567

58
h-index

36028

97
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289
all docs

289
docs citations

289
times ranked

12355
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese porphyrin-mediated aerobic epoxidation of propylene with isoprene: A new strategy for simultaneously preparing propylene epoxide and isoprene monoxide. <i>Chinese Chemical Letters</i> , 2023, 34, 107658.	9.0	1
2	Electrospun CoSe@NC nanofiber membrane as an effective polysulfides adsorption-catalysis interlayer for Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 131911.	12.7	43
3	Liquid-phase epoxidation of propylene with molecular oxygen by chloride manganese meso-tetraphenylporphyrins. <i>Chinese Journal of Chemical Engineering</i> , 2022, 48, 61-65.	3.5	1
4	TiO ₂ nanotube arrays sensitized by copper (II) porphyrins with efficient interfacial charge transfer for the photocatalytic degradation of 4-nitrophenol. <i>Journal of Hazardous Materials</i> , 2022, 422, 126869.	12.4	25
5	Amorphous type FeOOH modified defective BiVO ₄ photoanodes for photoelectrochemical water oxidation. <i>Chemical Engineering Journal</i> , 2022, 428, 131027.	12.7	204
6	Oxygen Atom Transfer Mechanism for $\langle \text{Vanadium}^{\text{Oxo}} \rangle$ Porphyrin Complexes Mediated Aerobic Olefin Epoxidation. <i>Chinese Journal of Chemistry</i> , 2022, 40, 115-122.	4.9	10
7	Sulfur Vacancy and Ti ₃ C ₂ T _x Cocatalyst Synergistically Boosting Interfacial Charge Transfer in 2D/2D Ti ₃ C ₂ T _x /ZnIn ₂ S ₄ Heterostructure for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Science</i> , 2022, 9, e2103715.	11.2	120
8	A metal-free hydroxyl functionalized quaternary phosphine type ionic liquid polymer for cycloaddition of CO ₂ and epoxides. <i>Dalton Transactions</i> , 2022, 51, 1303-1307.	3.3	10
9	UV-Vis-NIR full-range-responsive carbon-rich carbon nitride nanotubes for enhanced photocatalytic performance. <i>New Journal of Chemistry</i> , 2022, 46, 4654-4665.	2.8	5
10	Enhanced oxygen transfer over bifunctional Mo-based oxametallacycle catalyst for epoxidation of propylene. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 564-577.	9.4	12
11	$\langle \text{Copper}^{\text{Mediated}} \rangle$ and Catalyzed C-H Bond Amination via Chelation Assistance: Scope, Mechanism and Synthetic Applications. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1204-1223.	4.9	14
12	Enhanced Antioxidant Activity of Fresh Fruits through Salicylic Acid/ β -CD Hydroalcoholic Gels. <i>Gels</i> , 2022, 8, 61.	4.5	0
13	Synergic morphology engineering and pore functionality within a metal-organic framework for trace CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2022, 10, 881-890.	10.3	22
14	New Findings for the Much-Promised Hematite Photoanodes with Gradient Doping and Overlayer Elaboration. <i>Solar Rrl</i> , 2022, 6, .	5.8	15
15	Ultrahigh-loading single-site Zn catalyst for efficient and ambient hydrogen generation from silanes. <i>Dalton Transactions</i> , 2022, , .	3.3	1
16	Assembly of long silver nanowires into highly aligned structure to achieve uniform "Hot Spots" for Surface-enhanced Raman scattering detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121030.	3.9	14
17	Enhanced Sunscreen Effects via Layer-By-Layer Self-Assembly of Chitosan/Sodium Alginate/Calcium Chloride/EHA. <i>Molecules</i> , 2022, 27, 1148.	3.8	4
18	Polyethyleneimine-modified magnetic starch microspheres for Cd(II) adsorption in aqueous solutions. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2772-2786.	21.1	45

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19	One-Step Ethylene Purification by an Ethane-Screening Metal-Organic Framework. ACS Applied Materials & Interfaces, 2022, 14, 15195-15204.	8.0	15
20	Bottom-up oriented synthesis of metalloporphyrin-based porous ionic polymers for the cycloaddition of CO ₂ to epoxides. Molecular Catalysis, 2022, 521, 112171.	2.0	5
21	A core-shell structure of β -cyclodextrin polyisocyanate boosts selective recovery of acetophenone from petrochemical by-products. Chemical Engineering Journal, 2022, , 136191.	12.7	4
22	From normal crosslinking to core-shell structure: Improved performance of β -cyclodextrin based adsorbent toward efficient separation of acetophenone and 1-phenylethanol. Separation and Purification Technology, 2022, 292, 120955.	7.9	3
23	Surface engineering of MXenes for energy and environmental applications. Journal of Materials Chemistry A, 2022, 10, 10265-10296.	10.3	41
24	Crystal facet effects of platinum single-atom catalysts in hydrolytic dehydrogenation of ammonia borane. Journal of Materials Chemistry A, 2022, 10, 10837-10843.	10.3	18
25	Bagasse Cellulose Composite Superabsorbent Material with Double-Crosslinking Network Using Chemical Modified Nano-CaCO ₃ Reinforcing Strategy. Nanomaterials, 2022, 12, 1459.	4.1	6
26	Progress in the application of metalloporphyrins compounds in catalytic oxidation reactions. Scientia Sinica Chimica, 2022, 52, 1224-1238.	0.4	1
27	Efficient recovery of aromatic compounds from the wastewater of styrene monomer and propylene oxide co-production plant via hypercrosslinked aryl-rich starch- β -cyclodextrin polymeric sorbent. Chinese Journal of Chemical Engineering, 2022, 49, 150-160.	3.5	6
28	Single Cu atom dispersed on S,N-codoped nanocarbon derived from shrimp shells for highly-efficient oxygen reduction reaction. Nano Research, 2022, 15, 5995-6000.	10.4	27
29	Fabricating hypercrosslinked aromatic-rich starch urethane polymer with enhanced adsorption performance for separation of acetophenone and 1-phenylethanol. Reactive and Functional Polymers, 2022, 175, 105272.	4.1	3
30	A forest geotexture-inspired ZnO@Ni/Co layered double hydroxide-based device with superior electrochromic and energy storage performance. Journal of Materials Chemistry A, 2022, 10, 12643-12655.	10.3	21
31	Ag Nanoparticles Anchored on Nanotubular Porous Porphyrin Networks for Carboxylative Cyclization of Propargyl Alcohols with CO ₂ . Asian Journal of Organic Chemistry, 2022, 11, .	2.7	8
32	Deprotonation-Induced Phase Transitions in the Self-Assembled Structure of Prochiral Carboxyl Derivatives. Journal of Physical Chemistry C, 2022, 126, 9567-9571.	3.1	3
33	Coke-resistant Ni-based bimetallic catalysts for the dry reforming of methane: effects of indium on the Ni/Al ₂ O ₃ catalyst. Catalysis Science and Technology, 2022, 12, 4826-4836.	4.1	21
34	Removal of various pollutants from wastewaters using an efficient and degradable hypercrosslinked polymer. Separation Science and Technology, 2021, 56, 860-869.	2.5	25
35	β -Cyclodextrin functionalized SBA-15 via amide linkage as a super adsorbent for rapid removal of methyl blue. Journal of Colloid and Interface Science, 2021, 583, 100-112.	9.4	40
36	N-formylation of amines using phenylsilane and CO ₂ over ZnO catalyst under mild condition. Catalysis Communications, 2021, 149, 106195.	3.3	12

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37	Sustainable synthesis of multifunctional porous metalloporphyrin polymers for efficient carbon dioxide transformation under mild conditions. <i>Chemical Engineering Science</i> , 2021, 232, 116380.	3.8	26
38	Substrate specificity in the biomimetic catalytic aerobic oxidation of styrene and cyclohexanone by metalloporphyrins: kinetics and mechanistic study. <i>Green Chemical Engineering</i> , 2021, 2, 217-223.	6.3	4
39	Synergy ascension of SnS/MoS ₂ binary metal sulfides on initial coulombic efficiency and stable capacity for lithium storage. <i>RSC Advances</i> , 2021, 11, 17332-17339.	3.6	6
40	The enhancement of photocatalytic CO ₂ reduction by the <i>in situ</i> growth of TiO ₂ on Ti ₃ C ₂ MXene. <i>Catalysis Science and Technology</i> , 2021, 11, 1602-1614.	4.1	65
41	Protein powder derived nitrogen-doped carbon supported atomically dispersed iron sites for selective oxidation of ethylbenzene. <i>Dalton Transactions</i> , 2021, 50, 11711-11715.	3.3	8
42	Tailored covalent organic frameworks for simultaneously capturing and converting CO ₂ into cyclic carbonates. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20941-20956.	10.3	73
43	Ionization of Porous Hypercrosslinked Polymers for Catalyzing Room-Temperature CO ₂ Reduction via Formamides Synthesis. <i>Catalysis Letters</i> , 2021, 151, 2919-2927.	2.6	4
44	Quasi-continuous synthesis of iron single atom catalysts via a microcapsule pyrolysis strategy. <i>AIChE Journal</i> , 2021, 67, e17197.	3.6	11
45	Controllable Synthesis, Core-Shell Nanostructures, and Supercapacitor Performance of Highly Uniform Polypyrrole/Polyaniline Nanospheres. <i>ACS Applied Energy Materials</i> , 2021, 4, 3701-3711.	5.1	28
46	Sunscreen Enhancement of Octyl Methoxycinnamate Microcapsules by Using Two Biopolymers as Wall Materials. <i>Polymers</i> , 2021, 13, 866.	4.5	11
47	One-pot fabrication of lignin-based aromatic porous polymers for efficient removal of bisphenol AF from water. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 396-405.	7.5	6
48	Selective Functionalization of Hydrocarbons Using a ppm Bioinspired Molecular Tweezer via Proton-Coupled Electron Transfer. <i>ACS Catalysis</i> , 2021, 11, 6810-6815.	11.2	14
49	Catalytic Ozonation of Cinnamaldehyde to Benzaldehyde over Ca(OH) ₂ . <i>ChemistrySelect</i> , 2021, 6, 5052-5060.	1.5	2
50	Dynamic Covalent Bonds of Si-OR and Si-OSi Enabled A Stiff Polymer to Heal and Recycle at Room Temperature. <i>Materials</i> , 2021, 14, 2680.	2.9	5
51	Enhancement of the visible-light absorption and charge mobility in a zinc porphyrin polymer/g-C ₃ N ₄ heterojunction for promoting the oxidative coupling of amines. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119863.	20.2	49
52	Zn ²⁺ intercalation/de-intercalation-based aqueous electrochromic titanium dioxide electrode with Zn-ion storage. <i>Ionics</i> , 2021, 27, 4429-4437.	2.4	9
53	Recent advances in VOCs and CO removal via photothermal synergistic catalysis. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1078-1095.	14.0	43
54	Bioinspired Dynamically Switchable PANI/PS- <i>in situ</i> -P2VP Thin Films for Multicolored Electrochromic Displays with Long-Term Durability. <i>Advanced Functional Materials</i> , 2021, 31, 2106577.	14.9	40

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55	Enhanced recovery of acetophenone and 1-phenylethanol from petrochemical effluent by highly porous starch-based hypercrosslinked polymers. <i>Chemical Engineering Journal</i> , 2021, 418, 129351.	12.7	23
56	Enhanced selective removal of Pb(II) by modification low-cost bio-sorbent: Experiment and theoretical calculations. <i>Journal of Cleaner Production</i> , 2021, 316, 128372.	9.3	38
57	The distinct role of non-noble metal Cu NPs deposition in boosting the overall photocatalytic performance over a ternary Zn-based photocatalyst system. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160068.	5.5	16
58	Co ₃ O ₄ /CdS p-n heterojunction for enhancing photocatalytic hydrogen production: Co-S bond as a bridge for electron transfer. <i>Applied Surface Science</i> , 2021, 567, 150849.	6.1	73
59	Efficient catalytic oxidation of primary benzylic C-H bonds with molecular oxygen catalyzed by cobalt porphyrins and N-hydroxyphthalimide (NHPI) in supercritical carbon dioxide. <i>Catalysis Communications</i> , 2021, 159, 106353.	3.3	8
60	Improved interface compatibility of hollow H-Zr _{0.1} Ti _{0.9} O ₂ with UiO-66-NH ₂ via Zr-Ti bidirectional penetration to boost visible photocatalytic activity for acetaldehyde degradation under high humidity. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120371.	20.2	51
61	Customized H-bonding acceptor and aperture chemistry within a metal-organic framework for efficient C ₃ H ₆ /C ₃ H ₈ separation. <i>Chemical Engineering Journal</i> , 2021, 426, 131302.	12.7	18
62	Mechanism and kinetics of the aerobic oxidation of benzyl alcohol to benzaldehyde catalyzed by cobalt porphyrin in a membrane microchannel reactor. <i>Chemical Engineering Science</i> , 2021, 245, 116847.	3.8	9
63	A spirobifluorene-based water-soluble imidazolium polymer for luminescence sensing. <i>New Journal of Chemistry</i> , 2021, 45, 13021-13028.	2.8	5
64	Ultrathin 2D/2D Ti ₃ C ₂ T _x /semiconductor dual-functional photocatalysts for simultaneous imine production and H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19984-19993.	10.3	40
65	Catalytic Production of Methyl Lactate from Fructose-Based Carbohydrates Using Yttrium Modified ZSM-5 Zeolite. <i>ChemistrySelect</i> , 2021, 6, 10674-10681.	1.5	0
66	Tribological Performance of an Imidazolium Ionic Liquid-Functionalized SiO ₂ @Graphene Oxide as an Additive. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50573-50583.	8.0	28
67	Cellulose based hyper-crosslinked polymer for efficiently recovering valuable materials from PO/SM wastewater. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 71-80.	7.5	5
68	NiFe Layered Double Hydroxide/FeOOH Heterostructure Nanosheets as an Efficient and Durable Bifunctional Electrocatalyst for Overall Seawater Splitting. <i>Inorganic Chemistry</i> , 2021, 60, 17371-17378.	4.0	56
69	Ni/CeO ₂ prepared by improved polyol method for DRM with highly dispersed Ni. , 2021, 11, 1245-1264.		8
70	Probing the Node Chemistry of a Metal-Organic Framework to Achieve Ultrahigh Hydrophobicity and Highly Efficient CO ₂ /CH ₄ Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15897-15907.	6.7	17
71	On-Surface Synthesis of 2D Porphyrin-Based Covalent Organic Frameworks Using Terminal Alkynes. <i>Chemistry of Materials</i> , 2021, 33, 8677-8684.	6.7	2
72	Anodic aluminum oxide supported Pd@CeO ₂ catalyst for organic gas pollutants removal with an enhanced performance. <i>Catalysis Today</i> , 2020, 355, 602-607.	4.4	11

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73	Preparation of high purity squalene from soybean oil deodorizer distillate with the combination of macroporous resin and thin-film evaporation coupling distillation. <i>Separation Science and Technology</i> , 2020, 55, 1611-1622.	2.5	1
74	DFT study of formaldehyde oxidation on silver cluster by active oxygen and hydroxyl groups: Mechanism comparison and synergistic effect. <i>Catalysis Today</i> , 2020, 347, 124-133.	4.4	47
75	Imidazolium-functionalized stable gel materials for efficient adsorption of phenols from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2020, 17, 100511.	6.1	11
76	Pore size matching up: A novel insight into cotton textile aromatic finishing. <i>Flavour and Fragrance Journal</i> , 2020, 35, 149-156.	2.6	12
77	Deactivation Mechanism, Countermeasures, and Enhanced CH ₄ Oxidation Performance of Nickel/Cobalt Oxides. <i>Energy Technology</i> , 2020, 8, 1900641.	3.8	9
78	Preparation and release mechanism of lavender oil microcapsules with different combinations of coating materials. <i>Flavour and Fragrance Journal</i> , 2020, 35, 157-166.	2.6	13
79	Zinc porphyrin-based electron donor-acceptor-conjugated microporous polymer for the efficient photocatalytic oxidative coupling of amines under visible light. <i>Applied Catalysis A: General</i> , 2020, 590, 117352.	4.3	21
80	The distinct role of boron doping in Sn ₃ O ₄ microspheres for synergistic removal of phenols and Cr(VI) in simulated wastewater. <i>Environmental Science: Nano</i> , 2020, 7, 286-303.	4.3	40
81	Tubular metal organic frameworks from the curvature of 2D-honeycombed metal coordination. <i>Dalton Transactions</i> , 2020, 49, 2403-2406.	3.3	3
82	Mechanochemical Kilogram-Scale Synthesis of Noble Metal Single-Atom Catalysts. <i>Cell Reports Physical Science</i> , 2020, 1, 100004.	5.6	139
83	Hybridization of CuO with Bi ₂ Mo ₆ Nanosheets as a Surface Multifunctional Photocatalyst for Toluene Oxidation under Solar Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2259-2268.	8.0	50
84	A cost-effective β -cyclodextrin polymer for selective adsorption and separation of acetophenone and 1-phenylethanol via specific noncovalent molecular interactions. <i>Reactive and Functional Polymers</i> , 2020, 146, 104448.	4.1	13
85	Theoretical and experimental research of novel fluorine doped hierarchical Sn ₃ O ₄ microspheres with excellent photocatalytic performance for removal of Cr(VI) and organic pollutants. <i>Chemical Engineering Journal</i> , 2020, 391, 123607.	12.7	97
86	A phenyl-rich β -cyclodextrin porous crosslinked polymer for efficient removal of aromatic pollutants: Insight into adsorption performance and mechanism. <i>Chemical Engineering Journal</i> , 2020, 387, 124020.	12.7	88
87	Precisely Controlled Multidimensional Covalent Frameworks: Polymerization of Supramolecular Colloids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21525-21529.	13.8	12
88	Hierarchical BiOHC ₂ O ₄ /Bi ₂ O ₂ CO ₃ composite microrods fabricated via insitu anion ion-exchange and their advanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2020, 840, 155687.	5.5	8
89	Immobilization of β -CD on a Hyper-Crosslinked Polymer for the Enhanced Removal of Amines from Aqueous Solutions. <i>Polymers</i> , 2020, 12, 1620.	4.5	6
90	Precisely Controlled Multidimensional Covalent Frameworks: Polymerization of Supramolecular Colloids. <i>Angewandte Chemie</i> , 2020, 132, 21709-21713.	2.0	2

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91	Covalent Triazine Frameworks Obtained from Nitrile Monomers for Sustainable CO ₂ Catalysis. <i>ChemSusChem</i> , 2020, 13, 6509-6522.	6.8	41
92	Ba-modified Ni-P amorphous alloy/acidified bentonite catalyst: preparation and the catalytic hydrogenation of nitrobenzene to aniline. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 805-818.	1.7	3
93	Constructing a CeO ₂ @CoFe-layered double hydroxide heterostructure as an improved electrocatalyst for highly efficient water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4461-4468.	6.0	38
94	Bipolar Organic Material Assisted Surface and Boundary Defects Passivation for Highly Efficient MAPbI ₃ -Based Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000369.	5.8	5
95	The Adsorption of Ozone on the Solid Catalyst Surface and the Catalytic Reaction Mechanism for Organic Components. <i>ChemistrySelect</i> , 2020, 5, 15092-15116.	1.5	18
96	Click-Based Porous Ionic Polymers with Intercalated High-Density Metalloporphyrin for Sustainable CO ₂ Transformation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20269-20277.	3.7	26
97	TiO ₂ /BiYO ₃ composites for enhanced photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155428.	5.5	42
98	Sequential growth reveals multi-spinel interface promotion for methane combustion over alumina supported palladium catalyst. <i>Applied Catalysis B: Environmental</i> , 2020, 273, 119071.	20.2	41
99	Photothermocatalytic synergistic oxidation: An effective way to overcome the negative water effect on supported noble metal catalysts for VOCs oxidation. <i>Chemical Engineering Journal</i> , 2020, 397, 125485.	12.7	44
100	Amino-metalloporphyrin polymers derived Fe single atom catalysts for highly efficient oxygen reduction reaction. <i>Science China Chemistry</i> , 2020, 63, 810-817.	8.2	25
101	Facile Synthesis of Kilogram-Scale Co-Alloyed Pt Single-Atom Catalysts via Ball Milling for Hydrodeoxygenation of 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8692-8699.	6.7	89
102	Highly dispersed and active Pd nanoparticles over titania support through engineering oxygen vacancies and their anchoring effect. <i>AIChE Journal</i> , 2020, 66, e16288.	3.6	25
103	The Tribological Properties of Reduced Graphene Oxide Doped by N and B Species with Different Configurations. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29737-29746.	8.0	12
104	Highly Efficient Aerobic Oxidation of Cyclohexene Catalyzed by Iron(III) Porphyrins in Supercritical Carbon Dioxide. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 041014.	1.8	4
105	All solid-state Z-scheme CeO ₂ /ZnIn ₂ S ₄ hybrid for the photocatalytic selective oxidation of aromatic alcohols coupled with hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119235.	20.2	119
106	Biomimetic Aerobic Epoxidation of Alkenes Catalyzed by Cobalt Porphyrin under Ambient Conditions in the Presence of Sunflower Seeds Oil as a Co-Substrate. <i>ACS Omega</i> , 2020, 5, 4890-4899.	3.5	12
107	Unveiling the kilogram-scale gold single-atom catalysts via ball milling for preferential oxidation of CO in excess hydrogen. <i>Chemical Engineering Journal</i> , 2020, 389, 124490.	12.7	78
108	Catalytic Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran over Atomically Dispersed Ruthenium Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4333-4337.	3.7	40

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109	A recyclable photocatalytic tea-bag-like device model based on ultrathin Bi/C/BiOX (X=Cl, Br) nanosheets. <i>Applied Surface Science</i> , 2020, 515, 145967.	6.1	29
110	A facile route to fabricate double atom catalysts with controllable atomic spacing for the r-WGS reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2364-2368.	10.3	37
111	Efficient Selective Removal of Pb(II) by Using 6-Aminothiouracil-Modified Zr-Based Organic Frameworks: From Experiments to Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7162-7178.	8.0	99
112	Cyclohexene Promoted Efficient Biomimetic Oxidation of Alcohols to Carbonyl Compounds Catalyzed by Manganese Porphyrin under Mild Conditions. <i>Chinese Journal of Chemistry</i> , 2020, 38, 458-464.	4.9	12
113	Regulate the crystal and optoelectronic properties of Bi ₂ WO ₆ nanosheet crystals by Sm ³⁺ doping for superior visible-light-driven photocatalytic performance. <i>Applied Surface Science</i> , 2020, 508, 145309.	6.1	41
114	Modifying defect States in CeO ₂ by Fe doping: A strategy for low-temperature catalytic oxidation of toluene with sunlight. <i>Journal of Hazardous Materials</i> , 2020, 390, 122182.	12.4	54
115	A Carbazoyl Porphyrin-Based Conjugated Microporous Polymer for Metal-Free Photocatalytic Aerobic Oxidation Reactions. <i>ChemCatChem</i> , 2020, 12, 3523-3529.	3.7	24
116	CO ₂ reforming of CH ₄ to syngas over nickel-based catalysts. <i>Environmental Chemistry Letters</i> , 2020, 18, 997-1017.	16.2	57
117	Nitrogen and atomic Ni co-doped carbon material for sodium ion storage. <i>Chemical Communications</i> , 2020, 56, 5182-5185.	4.1	20
118	In Situ Growth of Oriented Polyaniline Nanorod Arrays on the Graphite Flake for High-Performance Supercapacitors. <i>ACS Omega</i> , 2020, 5, 32395-32402.	3.5	18
119	Catalytically-active porous assembly with dynamic pulsating motion for efficient exchange of products and reagents. <i>Communications Chemistry</i> , 2020, 3, .	4.5	5
120	Acetylacetone as an oxygen activator to improve efficiency for aerobic oxidation of toluene and its derivatives by using cobalt <i>meso</i> -tetraphenylporphyrin. <i>New Journal of Chemistry</i> , 2020, 44, 10286-10291.	2.8	10
121	Cerium(IV) Sulfate as a Cocatalyst for Promoting the Direct Epoxidation of Propylene by Ruthenium Porphyrin with Molecular Oxygen. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19982-19988.	3.7	7
122	Perovskite-based photocatalysts for organic contaminants removal: Current status and future perspectives. <i>Catalysis Today</i> , 2019, 327, 47-63.	4.4	86
123	Low-Temperature Photothermal Catalytic Oxidation of Toluene on a Core/Shell SiO ₂ @Pt@ZrO ₂ Nanostructure. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16450-16458.	3.7	25
124	Charge Regulation of Self-Assembled Tubules by Protonation for Efficiently Selective and Controlled Drug Delivery. <i>IScience</i> , 2019, 19, 224-231.	4.1	10
125	Fabrication of Multicore Milli- and Microcapsules for Controlling Hydrophobic Drugs Release Using a Facile Approach. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17017-17026.	3.7	16
126	A versatile route to fabricate single atom catalysts with high chemoselectivity and regioselectivity in hydrogenation. <i>Nature Communications</i> , 2019, 10, 3663.	12.8	270

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127	Enhancing photoelectrochemical water splitting by combining work function tuning and heterojunction engineering. <i>Nature Communications</i> , 2019, 10, 3687.	12.8	300
128	Self-Assembled Metalloporphyrins-Magnesium Phosphate Hybrid Spheres as Efficient Catalysts for Cycloaddition of Carbon Dioxide. <i>ChemistrySelect</i> , 2019, 4, 8233-8236.	1.5	3
129	A promising Mo-based lithium-rich phase for Li-ion batteries. <i>RSC Advances</i> , 2019, 9, 17852-17855.	3.6	2
130	Z-scheme Ag ₃ PO ₄ /Ag/SrTiO ₃ Heterojunction for Visible-Light Induced Photothermal Synergistic VOCs Degradation with Enhanced Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13950-13959.	3.7	41
131	CO ₂ methanation on Co/TiO ₂ catalyst: Effects of Y on the support. <i>Chemical Engineering Science</i> , 2019, 210, 115245.	3.8	36
132	Zr-Modified ZnO for the Selective Oxidation of Cinnamaldehyde to Benzaldehyde. <i>Catalysts</i> , 2019, 9, 716.	3.5	4
133	An overview of photocatalysis facilitated by 2D heterojunctions. <i>Nanotechnology</i> , 2019, 30, 502002.	2.6	66
134	An ultrathin carbon layer activated CeO ₂ heterojunction nanorods for photocatalytic degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118085.	20.2	177
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271	Aerobic oxidative cleavage of cinnamaldehyde to benzaldehyde catalyzed by metalloporphyrins under mild conditions. <i>Catalysis Communications</i> , 2009, 10, 828-832.	3.3	55
272	Rapid Synthesis of Alkyloxy Porphyrins Under Microwave Irradiation. <i>Synthetic Communications</i> , 2008, 39, 20-28.	2.1	3
273	Baeyer-Villiger oxidation of ketones catalyzed by iron(III) <i>meso</i> -tetraphenylporphyrin chloride in the presence of molecular oxygen. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 94-100.	0.8	43
274	Highly efficient selective oxidation of alcohols to carbonyl compounds catalyzed by ruthenium (III) <i>meso</i> -tetraphenylporphyrin chloride in the presence of molecular oxygen. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6364-6368.	2.2	72
275	One-pot oxidation of sulfides to sulfones by reusable heterogeneous ruthenium catalyst in the presence of molecular oxygen. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 259-266.	0.6	9
276	Green oxidation of alcohols by a reusable nickel catalyst in the presence of molecular oxygen. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 251-257.	0.6	28
277	Controllable oxidation of sulfides to sulfoxides and sulfones with aqueous hydrogen peroxide in the presence of β -cyclodextrin. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 959-961.	0.8	20
278	Highly Efficient, Mild, Bromide-Free and Acetic Acid-Free Dioxygen Oxidation of <i>o</i> -Nitrotoluene to <i>p</i> -Nitrobenzoic Acid with Metal Phthalocyanine Catalysts. <i>Organic Process Research and Development</i> , 2005, 9, 297-301.	2.7	30
279	Kinetic evidence for the mechanism of liquid-solid phase oxidation of alcohols. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 82, 97-103.	0.6	6
280	Oxidation of benzyl alcohol aiming at a greener reaction. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 78, 73-80.	0.6	24
281	Highly Shape-Selective, Biomimetic, and Efficient Deprotection of Carbonyl Compounds Masked as Ethylene Acetals or Dioxolanes Produced from 1,2-Ethandiol. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 3659-3662.	2.4	21
282	Development of Highly Effective Nanoparticle Spinel Catalysts for Aerobic Oxidation of Benzylic Alcohols. <i>Chinese Journal of Chemistry</i> , 2002, 20, 944-950.	4.9	7
283	<i>N</i> -hydroxyphthalimide Catalyzed Epoxidation of Inactive Aliphatic Olefins with Air at Room Temperature. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	0
284	Solid-Liquid Phase Equilibrium of Isophthalonitrile in 16 Solvents from $T = 273.15$ to 324.75 K and Mixing Properties of Solutions. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.9	5
285	Cation-Anion-Based Physicochemical Mechanisms for Anodically Coloring Electrochromic Nickel Oxide Thin Films. <i>ChemElectroChem</i> , 0, , .	3.4	1