

Hong Jiang

List of Publications by Year in descending order

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162
papers

11,549
citations

34016

52
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29081

104
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164
all docs

164
docs citations

164
times ranked

12196
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Biochar-Based Functional Materials: Toward a Sustainable Platform Carbon Material. <i>Chemical Reviews</i> , 2015, 115, 12251-12285.	23.0	1,149
2	Modification of bio-char derived from fast pyrolysis of biomass and its application in removal of tetracycline from aqueous solution. <i>Bioresource Technology</i> , 2012, 121, 235-240.	4.8	520
3	Amino modification of biochar for enhanced adsorption of copper ions from synthetic wastewater. <i>Water Research</i> , 2014, 48, 396-405.	5.3	509
4	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019, 12, 1751-1779.	15.6	481
5	Thermochemical conversion of lignin to functional materials: a review and future directions. <i>Green Chemistry</i> , 2015, 17, 4888-4907.	4.6	437
6	Fates of Chemical Elements in Biomass during Its Pyrolysis. <i>Chemical Reviews</i> , 2017, 117, 6367-6398.	23.0	399
7	Polyethylenimine modified biochar adsorbent for hexavalent chromium removal from the aqueous solution. <i>Bioresource Technology</i> , 2014, 169, 403-408.	4.8	344
8	Enhanced adsorption performance of tetracycline in aqueous solutions by methanol-modified biochar. <i>Chemical Engineering Journal</i> , 2014, 248, 168-174.	6.6	331
9	Magnesium Oxide Embedded Nitrogen Self-Doped Biochar Composites: Fast and High-Efficiency Adsorption of Heavy Metals in an Aqueous Solution. <i>Environmental Science & Technology</i> , 2017, 51, 10081-10089.	4.6	306
10	Preparation of high adsorption capacity bio-chars from waste biomass. <i>Bioresource Technology</i> , 2011, 102, 8247-8252.	4.8	239
11	Ultrathin Cobalt Oxide Layers as Electrocatalysts for High-Performance Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1807468.	11.1	227
12	High efficient removal of bisphenol A in a peroxymonosulfate/iron functionalized biochar system: Mechanistic elucidation and quantification of the contributors. <i>Chemical Engineering Journal</i> , 2019, 359, 572-583.	6.6	226
13	Investigation on the Evolution of N-Containing Organic Compounds during Pyrolysis of Sewage Sludge. <i>Environmental Science & Technology</i> , 2014, 48, 10888-10896.	4.6	223
14	Bimetallic Fe nanoparticles: Recent advances in synthesis and application in catalytic elimination of environmental pollutants. <i>Chemical Engineering Journal</i> , 2014, 236, 448-463.	6.6	215
15	Mesoporous Carbon Stabilized MgO Nanoparticles Synthesized by Pyrolysis of MgCl ₂ Preloaded Waste Biomass for Highly Efficient CO ₂ Capture. <i>Environmental Science & Technology</i> , 2013, 47, 9397-9403.	4.6	204
16	A Fenton-like process for the enhanced activated sludge dewatering. <i>Chemical Engineering Journal</i> , 2015, 272, 128-134.	6.6	186
17	Migration of Phosphorus in Sewage Sludge during Different Thermal Treatment Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1411-1419.	3.2	178
18	High-Yield Harvest of Nanofibers/Mesoporous Carbon Composite by Pyrolysis of Waste Biomass and Its Application for High Durability Electrochemical Energy Storage. <i>Environmental Science & Technology</i> , 2014, 48, 13951-13959.	4.6	173

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19	Recent developments of post-modification of biochar for electrochemical energy storage. <i>Bioresource Technology</i> , 2017, 246, 224-233.	4.8	160
20	Studies on the extraction of phenol in wastewater. <i>Journal of Hazardous Materials</i> , 2003, 101, 179-190.	6.5	141
21	Facile synthesis of highly efficient and recyclable magnetic solid acid from biomass waste. <i>Scientific Reports</i> , 2013, 3, 2419.	1.6	140
22	Selectively Improving the Bio-Oil Quality by Catalytic Fast Pyrolysis of Heavy-Metal-Polluted Biomass: Take Copper (Cu) as an Example. <i>Environmental Science & Technology</i> , 2012, 46, 7849-7856.	4.6	138
23	Harvest of Cu NP anchored magnetic carbon materials from Fe/Cu preloaded biomass: their pyrolysis, characterization, and catalytic activity on aqueous reduction of 4-nitrophenol. <i>Green Chemistry</i> , 2014, 16, 4198.	4.6	135
24	Sustainable production of value-added carbon nanomaterials from biomass pyrolysis. <i>Nature Sustainability</i> , 2020, 3, 753-760.	11.5	124
25	Effects of environmental conditions on the release of phosphorus from biochar. <i>Chemosphere</i> , 2013, 93, 2069-2075.	4.2	115
26	The thermochemical conversion of non-lignocellulosic biomass to form biochar: A review on characterizations and mechanism elucidation. <i>Bioresource Technology</i> , 2017, 246, 57-68.	4.8	106
27	Preparation of N-Doped Supercapacitor Materials by Integrated Salt Templating and Silicon Hard Templating by Pyrolysis of Biomass Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6682-6691.	3.2	105
28	One-pot synthesis of Ni ₂ O ₄ /carbon nanofiber composites from biomass for selective hydrogenation of aromatic nitro compounds. <i>Green Chemistry</i> , 2015, 17, 821-826.	4.6	100
29	Self-heating co-pyrolysis of excessive activated sludge with waste biomass: Energy balance and sludge reduction. <i>Bioresource Technology</i> , 2013, 133, 16-22.	4.8	95
30	Selective hydrogenation of lignin to produce chemical commodities by using a biochar supported Ni ₂ C catalyst obtained from biomass. <i>Green Chemistry</i> , 2016, 18, 4032-4041.	4.6	94
31	Pyrolytic Temperature Dependent and Ash Catalyzed Formation of Sludge Char with Ultra-High Adsorption to 1-Naphthol. <i>Environmental Science & Technology</i> , 2016, 50, 2602-2609.	4.6	93
32	Facile modification of a graphitic carbon nitride catalyst to improve its photoreactivity under visible light irradiation. <i>Chemical Engineering Journal</i> , 2014, 256, 230-237.	6.6	92
33	Copper release from copper nanoparticles in the presence of natural organic matter. <i>Water Research</i> , 2015, 68, 12-23.	5.3	92
34	A review on conversion of crayfish-shell derivatives to functional materials and their environmental applications. <i>Journal of Bioresources and Bioproducts</i> , 2020, 5, 238-247.	11.8	88
35	Mass production of chemicals from biomass-derived oil by directly atmospheric distillation coupled with co-pyrolysis. <i>Scientific Reports</i> , 2013, 3, 1120.	1.6	87
36	Remediation of Petroleum-Contaminated Soil and Simultaneous Recovery of Oil by Fast Pyrolysis. <i>Environmental Science & Technology</i> , 2018, 52, 5330-5338.	4.6	87

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37	High-efficiency removal of Cr(VI) by modified biochar derived from glue residue. <i>Journal of Cleaner Production</i> , 2020, 254, 119935.	4.6	85
38	Total recovery of nitrogen and phosphorus from three wetland plants by fast pyrolysis technology. <i>Bioresource Technology</i> , 2011, 102, 3471-3479.	4.8	83
39	Composite Fe ₂ O ₃ and ZrO ₂ /Al ₂ O ₃ photocatalyst: Preparation, characterization, and studies on the photocatalytic activity and chemical stability. <i>Chemical Engineering Journal</i> , 2012, 180, 9-18.	6.6	82
40	The effects of environmental conditions on the enrichment of antibiotics on microplastics in simulated natural water column. <i>Environmental Research</i> , 2018, 166, 377-383.	3.7	82
41	Bio-coal: A renewable and massively producible fuel from lignocellulosic biomass. <i>Science Advances</i> , 2020, 6, eaay0748.	4.7	81
42	Adsorption of lead (Pb) from aqueous solution with <i>Typha angustifolia</i> biomass modified by SOCl ₂ activated EDTA. <i>Chemical Engineering Journal</i> , 2011, 170, 21-28.	6.6	78
43	Comparative Investigation on Photoreactivity and Mechanism of Biogenic and Chemosynthetic Ag/C ₃ N ₄ Composites under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 269-276.	3.2	76
44	Improvement of phenol photodegradation efficiency by a combined g-C ₃ N ₄ /Fe(III)/persulfate system. <i>Chemosphere</i> , 2016, 148, 34-40.	4.2	74
45	The dispersity-dependent interaction between montmorillonite supported nZVI and Cr(VI) in aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 229, 412-419.	6.6	69
46	Preparation of liquid chemical feedstocks by co-pyrolysis of electronic waste and biomass without formation of polybrominated dibenzo-p-dioxins. <i>Bioresource Technology</i> , 2013, 128, 1-7.	4.8	67
47	Selective hydrogenation of nitroarenes under mild conditions by the optimization of active sites in a well defined Co@NC catalyst. <i>Green Chemistry</i> , 2020, 22, 5730-5741.	4.6	66
48	Layered oxides supported Co-Fe bimetal catalyst for carbamazepine degradation via the catalytic activation of peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 400, 125899.	6.6	64
49	Achieving high-efficiency and ultrafast removal of Pb(II) by one-pot incorporation of a N-doped carbon hydrogel into FeMg layered double hydroxides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10336-10344.	5.2	63
50	One-pot high yield synthesis of Ag nanoparticle-embedded biochar hybrid materials from waste biomass for catalytic Cr(VI) reduction. <i>Environmental Science: Nano</i> , 2016, 3, 745-753.	2.2	58
51	Facile synthesis of Ag/Ag ₃ PO ₄ /AMB composite with improved photocatalytic performance. <i>Chemical Engineering Journal</i> , 2017, 308, 889-896.	6.6	58
52	Biotoxicity Evaluations of Three Typical Biochars Using a Simulated System of Fast Pyrolytic Biochar Extracts on Organisms of Three Kingdoms. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 481-488.	3.2	55
53	Surfactant-mediated settleability and dewaterability of activated sludge. <i>Chemical Engineering Science</i> , 2014, 116, 228-234.	1.9	54
54	MOF Templated Nitrogen Doped Carbon Stabilized Pt-Co Bimetallic Nanoparticles: Low Pt Content and Robust Activity toward Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Nano Materials</i> , 2018, 1, 3331-3338.	2.4	53

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55	Use of Nutrient Rich Hydrophytes to Create N,P-Dually Doped Porous Carbon with Robust Energy Storage Performance. <i>Environmental Science & Technology</i> , 2016, 50, 12421-12428.	4.6	52
56	Kinetics and Mechanisms of Radiolytic Degradation of Nitrobenzene in Aqueous Solutions. <i>Environmental Science & Technology</i> , 2007, 41, 1977-1982.	4.6	51
57	One-pot synthesis of a carbon supported bimetallic Cu-Ag NPs catalyst for robust catalytic hydroxylation of benzene to phenol by fast pyrolysis of biomass waste. <i>Green Chemistry</i> , 2016, 18, 5643-5650.	4.6	51
58	Advances in the Characterization Methods of Biomass Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12639-12655.	3.2	51
59	Separation of phthalate esters from bio-oil derived from rice husk by a basification-acidification process and column chromatography. <i>Bioresource Technology</i> , 2011, 102, 1982-1987.	4.8	50
60	Fractional characterization of a bio-oil derived from rice husk. <i>Biomass and Bioenergy</i> , 2011, 35, 671-678.	2.9	49
61	Enhancing the Catalytic Activity and Stability of Noble Metal Nanoparticles by the Strong Interaction of Magnetic Biochar Support. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13055-13064.	1.8	49
62	Biosorption of Cr (VI) by <i>Typha angustifolia</i> : Mechanism and responses to heavy metal stress. <i>Bioresource Technology</i> , 2014, 160, 89-92.	4.8	46
63	Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2017, 89, 4264-4271.	3.2	45
64	Study on the application of integrated eco-engineering in purifying eutrophic river waters. <i>Ecological Engineering</i> , 2016, 94, 320-328.	1.6	44
65	High-performance Pd nanoalloy on functionalized activated carbon for the hydrogenation of nitroaromatic compounds. <i>Chemical Engineering Journal</i> , 2015, 259, 161-169.	6.6	42
66	Lab-scale thermal analysis of electronic waste plastics. <i>Journal of Hazardous Materials</i> , 2016, 310, 217-225.	6.5	42
67	Biological and chemical phosphorus solubilization from pyrolytical biochar in aqueous solution. <i>Chemosphere</i> , 2014, 113, 175-181.	4.2	41
68	Slow Pyrolysis Magnetization of Hydrochar for Effective and Highly Stable Removal of Tetracycline from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3059-3066.	1.8	41
69	Separation and Recycle of Phenol from Wastewater by Liquid-Liquid Extraction. <i>Separation Science and Technology</i> , 2003, 38, 2579-2596.	1.3	38
70	Electrochemically Catalytic Degradation of Phenol with Hydrogen Peroxide in Situ Generated and Activated by a Municipal Sludge-Derived Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5540-5546.	3.2	38
71	Bio-oil upgrading at ambient pressure and temperature using zero valent metals. <i>Green Chemistry</i> , 2012, 14, 2226.	4.6	36
72	Thermochemical Behavior of Tris(2-Butoxyethyl) Phosphate (TBEP) during Co-pyrolysis with Biomass. <i>Environmental Science & Technology</i> , 2014, 48, 10734-10742.	4.6	35

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73	Techno-economic evaluation of the integrated biosorption–pyrolysis technology for lead (Pb) recovery from aqueous solution. <i>Bioresource Technology</i> , 2011, 102, 6260-6265.	4.8	32
74	Hydrogenation of Furfural to Cyclopentanone under Mild Conditions by a Structure–Optimized Ni ²⁺ /NiO/TiO ₂ Heterojunction Catalyst. <i>ChemSusChem</i> , 2020, 13, 5507-5515.	3.6	31
75	Transformation and kinetics of chlorine-containing products during pyrolysis of plastic wastes. <i>Chemosphere</i> , 2021, 284, 131348.	4.2	31
76	Rapamycin targets STAT3 and impacts c-Myc to suppress tumor growth. <i>Cell Chemical Biology</i> , 2022, 29, 373-385.e6.	2.5	31
77	Ultra-high capacity and selective immobilization of Pb through crystal growth of hydroxypyromorphite on amino-functionalized hydrochar. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9843-9850.	5.2	30
78	Preparation of high performance supercapacitor materials by fast pyrolysis of corn gluten meal waste. <i>Sustainable Energy and Fuels</i> , 2017, 1, 891-898.	2.5	28
79	Well-Defined MOF-Derived Hierarchically Porous N-Doped Carbon Materials for the Selective Hydrogenation of Phenol to Cyclohexanone. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5806-5815.	1.8	28
80	Continuous and complete conversion of high concentration p-nitrophenol in a flow-through membrane reactor. <i>AIChE Journal</i> , 2019, 65, e16692.	1.8	27
81	Catalytic cycloaddition of CO ₂ to epoxides by the synergistic effect of acidity and alkalinity in a functionalized biochar. <i>Chemical Engineering Journal</i> , 2022, 442, 136265.	6.6	27
82	Large scale preparation of microbubbles by multi-channel ceramic membranes: Hydrodynamics and mass transfer characteristics. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2176-2185.	0.9	26
83	Biochar-supported magnetic noble metallic nanoparticles for the fast recovery of excessive reductant during pollutant reduction. <i>Chemosphere</i> , 2019, 227, 63-71.	4.2	26
84	Pd Nanoparticles Loaded on Two-Dimensional Covalent Organic Frameworks with Enhanced Catalytic Performance for Phenol Hydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18489-18499.	1.8	26
85	Robust biochar-assisted alleviation of membrane fouling in MBRs by indirect mechanism. <i>Separation and Purification Technology</i> , 2017, 184, 195-204.	3.9	25
86	Significant enhancement of photoreactivity of graphitic carbon nitride catalysts under acidic conditions and the underlying H ⁺ -mediated mechanism. <i>Chemosphere</i> , 2015, 141, 127-133.	4.2	22
87	Controllable Structure and Basic Sites of Pd@N-Doped Carbon Derived from Co/Zn-ZIFs: Role of Co. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14678-14687.	1.8	22
88	Highly Dispersed Manganese Based Mn/N–C/Al ₂ O ₃ Catalyst for Selective Oxidation of the C–H Bond of Ethylbenzene. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3969-3977.	1.8	22
89	Synthesis of p-aminophenol from p-nitrophenol reduction over Pd@ZIF-8. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 117, 307-317.	0.8	21
90	Preparation of MOF Confined Ag Nanoparticles for the Highly Active, Size Selective Hydrogenation of Olefins. <i>ChemCatChem</i> , 2018, 10, 3659-3665.	1.8	21

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91	Preparation of Flower-like CuFe ₂ O ₄ by a Self-Templating Method for High-Efficient Activation of Peroxymonosulfate To Degrade Carbamazepine. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11045-11055.	1.8	21
92	Highly Efficient Phenol Hydrogenation to Cyclohexanone over Pd@CN-rGO in Aqueous Phase. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10768-10777.	1.8	20
93	Boosting the activity and environmental stability of nanoscale zero-valent iron by montmorillonite supporting and sulfidation treatment. <i>Chemical Engineering Journal</i> , 2020, 387, 124063.	6.6	20
94	Co-Loaded N-Doped Biochar as a High-Performance Oxygen Reduction Reaction Electrocatalyst by Combined Pyrolysis of Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15614-15623.	1.8	19
95	Enhanced catalytic properties of Pd nanoparticles by their deposition on ZnO-coated ceramic membranes. <i>RSC Advances</i> , 2016, 6, 2087-2095.	1.7	17
96	Preventing the Release of Cu ²⁺ and 4-CP from Contaminated Sediments by Employing a Biochar Capping Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7730-7738.	1.8	17
97	Harvesting Biomass-Based N Doped Carbonaceous Materials with High Capacitance by Fast Pyrolysis of Ni Enriched Spent Wetland Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13868-13878.	1.8	17
98	Liquid phase hydroxylation of benzene to phenol over vanadyl acetylacetonate supported on amine functionalized SBA-15. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 535-547.	0.8	16
99	Preparation of high adsorption performance and stable biochar granules by FeCl ₃ -catalyzed fast pyrolysis. <i>RSC Advances</i> , 2016, 6, 12226-12234.	1.7	16
100	Solar Thermal Electrochemical Process (STEP) action to biomass: Solar thermo-coupled electrochemical synergy for efficient breaking of biomass to biofuels and hydrogen. <i>Energy Conversion and Management</i> , 2019, 180, 1247-1259.	4.4	16
101	Gasification of Rice Husk in a Fluidized-Bed Gasifier without Inert Additives. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5745-5750.	1.8	15
102	Efficient Control of Microbubble Properties by Alcohol Shear Flows in Ceramic Membrane Channels. <i>Chemical Engineering and Technology</i> , 2018, 41, 168-174.	0.9	15
103	Efficiently reducing the plant growth inhibition of CuO NPs using rice husk-derived biochar: experimental demonstration and mechanism investigation. <i>Environmental Science: Nano</i> , 2017, 4, 1722-1732.	2.2	14
104	Precise and Economical Dredging Model of Sediments and Its Field Application: Case Study of a River Heavily Polluted by Organic Matter, Nitrogen, and Phosphorus. <i>Environmental Management</i> , 2014, 53, 1119-1131.	1.2	13
105	Controllable Synthesis of Pd-ZIF-L-GO: The Role of Drying Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4847-4859.	1.8	13
106	Porous Membrane Reactors for Liquid-Phase Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8969-8990.	1.8	13
107	A simple and versatile synthesis strategy of hollow MOFs for CO ₂ separation and catalysis. <i>Chemical Communications</i> , 2022, 58, 7944-7947.	2.2	13
108	Improving Capacitance by Introducing Nitrogen Species and Defects into Graphene. <i>ChemElectroChem</i> , 2015, 2, 859-866.	1.7	12

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109	Role of initial water content in glycerol hydrogenolysis to 1,2-propanediol over Cu@ZnO catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 1129-1143.	0.8	12
110	Highly stable and selective measurement of Fe ³⁺ ions under environmentally relevant conditions via an excitation-based multiwavelength method using N, S-doped carbon dots. <i>Environmental Research</i> , 2019, 170, 443-451.	3.7	12
111	Matching Relationship Between Carbon Material and Pd Precursor. <i>Catalysis Letters</i> , 2019, 149, 813-822.	1.4	12
112	Flexible hierarchical Pd/SiO ₂ -TiO ₂ nanofibrous catalytic membrane for complete and continuous reduction of <i>p</i> -nitrophenol. <i>Journal of Experimental Nanoscience</i> , 2021, 16, 62-80.	1.3	12
113	Hierarchical Pd@ZIFs as Efficient Catalysts for <i>p</i> -Nitrophenol Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 15045-15055.	1.8	12
114	An investigation on reuse of Cr-contaminated sediment: Cr removal and interaction between Cr and organic matter. <i>Chemical Engineering Journal</i> , 2012, 189-190, 222-228.	6.6	11
115	Controllable synthesis of Pd@ZIF-L catalysts by an assembly method. <i>RSC Advances</i> , 2016, 6, 21337-21344.	1.7	11
116	Pd Nanoparticles Loaded on Ceramic Membranes by Atomic Layer Deposition with Enhanced Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19564-19573.	1.8	11
117	Investigations on the dissolved organic matter leached from oil-contaminated soils by using pyrolysis remediation method. <i>Science of the Total Environment</i> , 2021, 776, 145921.	3.9	11
118	Palladium Nanoparticles Anchored on COFs Prepared by Simple Calcination for Phenol Hydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13523-13533.	1.8	11
119	A study on the reactions of NADH models with electron-deficient alkenes. A probe for the extreme of concerted electron-hydrogen atom transfer mechanism. <i>Tetrahedron Letters</i> , 2009, 50, 312-315.	0.7	10
120	Design, Preparation, and Characterization of a Novel Hyper-Cross-Linked Polyphosphamide Polymer and Its Adsorption for Phenol. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11614-11619.	1.8	10
121	Determination of Total Nitrogen in Solid Samples by Two-Step Digestion-Ultraviolet Spectrophotometry Method. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 1080-1091.	0.6	10
122	Influence of Pyrolytic Biochar on Settleability and Denitrification of Activated Sludge Process. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 357-364.	0.6	10
123	Pd Nanoparticles Immobilized in Layered ZIFs as Efficient Catalysts for Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20553-20561.	1.8	10
124	Selective catalytic hydrogenation of phenol to cyclohexanone over Pd@CN: Role of CN precursor separation mode. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1506-1514.	0.9	10
125	Pd nanoparticles immobilized on TiO ₂ nanotubes-functionalized ceramic membranes for flow-through catalysis. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 385-392.	1.2	10
126	Fabrication of Pd@N-doped porous carbon-TiO ₂ as a highly efficient catalyst for the selective hydrogenation of phenol to cyclohexanone in water. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 463-476.	0.8	10

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127	One-Step Thermochemical Conversion of Biomass Waste into Superhydrophobic Carbon Material by Catalytic Pyrolysis. <i>Global Challenges</i> , 2020, 4, 1900085.	1.8	10
128	Novel photo-induced coupling reaction of 9-fluorenylidene malononitrile with 10-methyl-9,10-dihydroacridine. <i>Chemical Communications</i> , 2002, , 882-883.	2.2	9
129	High catalytic efficiency of Pd nanoparticles immobilized on TiO ₂ nanorods-coated ceramic membranes. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2374-2382.	0.9	9
130	Sustainable In Situ Carbothermal Reduction Route to Biochar Stabilized Ru-Cu Nanoalloys from Lignocellulosic Biomass as a Highly Efficient and Durable Catalyst. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700102.	2.7	9
131	Controlling microbubbles in alcohol solutions by using a multi-channel ceramic membrane distributor. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2456-2463.	1.6	9
132	Nontemplating Porous Carbon Material from Polyphosphamide Resin for Supercapacitors. <i>IScience</i> , 2019, 12, 204-215.	1.9	9
133	Preparation of highly stable and easily regenerated sulfuretted nZVI via one-pot fast pyrolysis method for the removal of diclofenac. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105425.	3.3	9
134	Hierarchical Pd@PC-COFs as Efficient Catalysts for Phenol Hydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4534-4545.	1.8	9
135	pH-Dependent Interactions Between Lead and <i>Typha angustifolia</i> Biomass in the Biosorption Process. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5920-5926.	1.8	8
136	Computational Fluid Dynamics Simulation of a Novel Membrane Distributor of Bubble Columns for Generating Microbubbles. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1087-1094.	1.8	8
137	Correlating the chemical properties and bioavailability of dissolved organic matter released from hydrochar of walnut shells. <i>Chemosphere</i> , 2021, 275, 130003.	4.2	8
138	ZIF-Derived Co/Zn Bimetallic Catalytic Membrane with Abundant CNTs for Highly Efficient Reduction of <i>p</i> -Nitrophenol. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7862-7873.	1.8	8
139	Continuous phenol hydroxylation over ultrafine TS-1 in a side-stream ceramic membrane reactor. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 852-859.	1.2	7
140	Preparation of Gap-Controlled Monodispersed Ag Nanoparticles by Amino Groups Grafted on Silica Microspheres as a SERS Substrate for the Detection of Low Concentrations of Organic Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7855-7865.	1.8	7
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