

# Hong Jiang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Insights into Microstructure and Surface Properties of Pd/C for Liquid Phase Phenol Hydrogenation to Cyclohexanone. <i>Catalysis Letters</i> , 2023, 153, 208-218.	2.6	2
2	Pd Nanoparticles Supported on Hierarchically Porous Carbon Nanofibers as Efficient Catalysts for Phenol Hydrogenation. <i>Catalysis Letters</i> , 2022, 152, 340-352.	2.6	7
3	A photoaffinity labeling strategy identified EF1A1 as a binding protein of cyclic dinucleotide 2'3'-cGAMP. <i>Cell Chemical Biology</i> , 2022, 29, 133-144.e20.	5.2	4
4	Rapamycin targets STAT3 and impacts c-Myc to suppress tumor growth. <i>Cell Chemical Biology</i> , 2022, 29, 373-385.e6.	5.2	31
5	Protocol for identification and validation of 2'3'-cGAMP-binding proteins by photoaffinity probes. <i>STAR Protocols</i> , 2022, 3, 101076.	1.2	1
6	Two-dimensional N-doped Pd/carbon for highly efficient heterogeneous catalysis. <i>Chemical Communications</i> , 2022, 58, 1422-1425.	4.1	7
7	Controllable synthesis of Pd-zeolitic imidazolate framework-porous graphene oxide (Pd-ZIF-pGO) with enhanced catalytic properties for the reduction of nitroarenes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 867-879.	1.7	1
8	Hierarchical Pd@PC-COFs as Efficient Catalysts for Phenol Hydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4534-4545.	3.7	9
9	Catalytic cycloaddition of CO <sub>2</sub> to epoxides by the synergistic effect of acidity and alkalinity in a functionalized biochar. <i>Chemical Engineering Journal</i> , 2022, 442, 136265.	12.7	27
10	ZIF-Derived Co/Zn Bimetallic Catalytic Membrane with Abundant CNTs for Highly Efficient Reduction of <i>p</i> -Nitrophenol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 7862-7873.	3.7	8
11	Simultaneous recovery of nutrients and improving the biodegradability of waste algae hydrothermal liquid. <i>Environmental Pollution</i> , 2022, 307, 119556.	7.5	7
12	A simple and versatile synthesis strategy of hollow MOFs for CO <sub>2</sub> separation and catalysis. <i>Chemical Communications</i> , 2022, 58, 7944-7947.	4.1	13
13	Integrating modeling and experimental method for narrowing the optimum phase composition in P25 photocatalyst for typical aromatic pollutants degradation. <i>Chemical Engineering Journal</i> , 2021, 417, 128061.	12.7	4
14	Controllable Synthesis of 1D Pd@N-CNFs with High Catalytic Performance for Phenol Hydrogenation. <i>Catalysis Letters</i> , 2021, 151, 1013-1024.	2.6	6
15	High-Efficiency and Ground-State Atomic Oxygen-Dominant Photodegradation of Carbamazepine by Coupling Chlorine and g-C <sub>3</sub> N <sub>4</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 2112-2122.	3.7	7
16	Flexible hierarchical Pd/SiO <sub>2</sub> -TiO <sub>2</sub> nanofibrous catalytic membrane for complete and continuous reduction of <i>p</i> -nitrophenol. <i>Journal of Experimental Nanoscience</i> , 2021, 16, 62-80.	2.4	12
17	Controllable Synthesis of Pd-ZIF-L-GO: The Role of Drying Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 4847-4859.	3.7	13
18	Well-Defined MOF-Derived Hierarchically Porous N-Doped Carbon Materials for the Selective Hydrogenation of Phenol to Cyclohexanone. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5806-5815.	3.7	28

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19	Rebound behaviors of hydrophilic particle on gas bubble: effect of particle size and liquid properties. Journal of Chemical Technology and Biotechnology, 2021, 96, 2400.	3.2	1
20	Porous Membrane Reactors for Liquid-Phase Heterogeneous Catalysis. Industrial & Engineering Chemistry Research, 2021, 60, 8969-8990.	3.7	13
21	Investigations on the dissolved organic matter leached from oil-contaminated soils by using pyrolysis remediation method. Science of the Total Environment, 2021, 776, 145921.	8.0	11
22	Modeling and Simulation of Hydrodynamics and Filtration in a Membrane-Assisted Stirred Slurry Reactor. Chemical Engineering and Technology, 2021, 44, 1548-1557.	1.5	2
23	Preparation of Flower-like CuFe <sub>2</sub> O <sub>4</sub> by a Self-Templating Method for High-Efficient Activation of Peroxymonosulfate To Degrade Carbamazepine. Industrial & Engineering Chemistry Research, 2021, 60, 11045-11055.	3.7	21
24	Correlating the chemical properties and bioavailability of dissolved organic matter released from hydrochar of walnut shells. Chemosphere, 2021, 275, 130003.	8.2	8
25	Preparation of highly stable and easily regenerated sulfuretted nZVI via one-pot fast pyrolysis method for the removal of diclofenac. Journal of Environmental Chemical Engineering, 2021, 9, 105425.	6.7	9
26	Palladium Nanoparticles Anchored on COFs Prepared by Simple Calcination for Phenol Hydrogenation. Industrial & Engineering Chemistry Research, 2021, 60, 13523-13533.	3.7	11
27	Transformation and kinetics of chlorine-containing products during pyrolysis of plastic wastes. Chemosphere, 2021, 284, 131348.	8.2	31
28	Hierarchical Pd@ZIFs as Efficient Catalysts for <i>p</i> -Nitrophenol Reduction. Industrial & Engineering Chemistry Research, 2021, 60, 15045-15055.	3.7	12
29	Fluorine and phosphorus co-doped TiO <sub>2</sub> (001) nanosheets as a high-stability visible light-driven photocatalyst. Journal of Environmental Chemical Engineering, 2021, 9, 106719.	6.7	6
30	High-efficiency removal of Cr(VI) by modified biochar derived from glue residue. Journal of Cleaner Production, 2020, 254, 119935.	9.3	85
31	Bio-coal: A renewable and massively producible fuel from lignocellulosic biomass. Science Advances, 2020, 6, eaay0748.	10.3	81
32	A review on conversion of crayfish-shell derivatives to functional materials and their environmental applications. Journal of Bioresources and Bioproducts, 2020, 5, 238-247.	20.5	88
33	Hydrogenation of Furfural to Cyclopentanone under Mild Conditions by a Structure-Optimized Ni <sup>2+</sup> NiO/TiO <sub>2</sub> Heterojunction Catalyst. ChemSusChem, 2020, 13, 5507-5515.	6.8	31
34	Selective hydrogenation of nitroarenes under mild conditions by the optimization of active sites in a well defined Co@NC catalyst. Green Chemistry, 2020, 22, 5730-5741.	9.0	66
35	Pd Nanoparticles Loaded on Ceramic Membranes by Atomic Layer Deposition with Enhanced Catalytic Properties. Industrial & Engineering Chemistry Research, 2020, 59, 19564-19573.	3.7	11
36	Pd Nanoparticles Loaded on Two-Dimensional Covalent Organic Frameworks with Enhanced Catalytic Performance for Phenol Hydrogenation. Industrial & Engineering Chemistry Research, 2020, 59, 18489-18499.	3.7	26

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37	Co-Loaded N-Doped Biochar as a High-Performance Oxygen Reduction Reaction Electrocatalyst by Combined Pyrolysis of Biomass. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 15614-15623.	3.7	19
38	Sustainable production of value-added carbon nanomaterials from biomass pyrolysis. <i>Nature Sustainability</i> , 2020, 3, 753-760.	23.7	124
39	Layered oxides supported Co-Fe bimetal catalyst for carbamazepine degradation via the catalytic activation of peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 400, 125899.	12.7	64
40	Highly Efficient Phenol Hydrogenation to Cyclohexanone over Pd@CN-rGO in Aqueous Phase. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10768-10777.	3.7	20
41	One-Step Thermochemical Conversion of Biomass Waste into Superhydrophobic Carbon Material by Catalytic Pyrolysis. <i>Global Challenges</i> , 2020, 4, 1900085.	3.6	10
42	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.	12.7	20
43	Bubble dynamics and mass transfer characteristics from an immersed orifice plate. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1729-1738.	3.2	4
44	Harvesting Biomass-Based N-Doped Carbonaceous Materials with High Capacitance by Fast Pyrolysis of Ni Enriched Spent Wetland Biomass. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 13868-13878.	3.7	17
45	Controllable Structure and Basic Sites of Pd@N-Doped Carbon Derived from Co/Zn-ZIFs: Role of Co. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14678-14687.	3.7	22
46	Advances in the Characterization Methods of Biomass Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12639-12655.	6.7	51
47	Pd Nanoparticles Immobilized in Layered ZIFs as Efficient Catalysts for Heterogeneous Catalysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20553-20561.	3.7	10
48	Nontemplating Porous Carbon Material from Polyphosphamide Resin for Supercapacitors. <i>IScience</i> , 2019, 12, 204-215.	4.1	9
49	Insights into the Stability of Pd/CN Catalyst in Liquid Phase Hydrogenation of Phenol to Cyclohexanone: Role of Solvent. <i>Catalysis Letters</i> , 2019, 149, 3087-3096.	2.6	4
50	Continuous and complete conversion of high concentration <i>p</i> -nitrophenol in a flow-through membrane reactor. <i>AIChE Journal</i> , 2019, 65, e16692.	3.6	27
51	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019, 12, 1751-1779.	30.8	481
52	Highly Dispersed Manganese Based Mn/N-C/Al <sub>2</sub> O <sub>3</sub> Catalyst for Selective Oxidation of the C-H Bond of Ethylbenzene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 3969-3977.	3.7	22
53	Biochar-supported magnetic noble metallic nanoparticles for the fast recovery of excessive reductant during pollutant reduction. <i>Chemosphere</i> , 2019, 227, 63-71.	8.2	26
54	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.	1.7	10

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55	Pd nanoparticles immobilized on TiO <sub>2</sub> nanotubes-functionalized ceramic membranes for flow-through catalysis. Korean Journal of Chemical Engineering, 2019, 36, 385-392.	2.7	10
56	Ultrathin Cobalt Oxide Layers as Electrocatalysts for High-Performance Flexible Zn-Air Batteries. Advanced Materials, 2019, 31, e1807468.	21.0	227
57	Highly stable and selective measurement of Fe <sup>3+</sup> ions under environmentally relevant conditions via an excitation-based multiwavelength method using N, S-doped carbon dots. Environmental Research, 2019, 170, 443-451.	7.5	12
58	Computational Fluid Dynamics Simulation of a Novel Membrane Distributor of Bubble Columns for Generating Microbubbles. Industrial & Engineering Chemistry Research, 2019, 58, 1087-1094.	3.7	8
59	Solar Thermal Electrochemical Process (STEP) action to biomass: Solar thermo-coupled electrochemical synergy for efficient breaking of biomass to biofuels and hydrogen. Energy Conversion and Management, 2019, 180, 1247-1259.	9.2	16
60	High efficient removal of bisphenol A in a peroxymonosulfate/iron functionalized biochar system: Mechanistic elucidation and quantification of the contributors. Chemical Engineering Journal, 2019, 359, 572-583.	12.7	226
61	Matching Relationship Between Carbon Material and Pd Precursor. Catalysis Letters, 2019, 149, 813-822.	2.6	12
62	Fabrication of Pd@N-doped porous carbon-TiO <sub>2</sub> as a highly efficient catalyst for the selective hydrogenation of phenol to cyclohexanone in water. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 463-476.	1.7	10
63	Remediation of Petroleum-Contaminated Soil and Simultaneous Recovery of Oil by Fast Pyrolysis. Environmental Science & Technology, 2018, 52, 5330-5338.	10.0	87
64	Controlling microbubbles in alcohol solutions by using a multi-channel ceramic membrane distributor. Journal of Chemical Technology and Biotechnology, 2018, 93, 2456-2463.	3.2	9
65	Electrochemically Catalytic Degradation of Phenol with Hydrogen Peroxide in Situ Generated and Activated by a Municipal Sludge-Derived Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 5540-5546.	6.7	38
66	Efficient Control of Microbubble Properties by Alcohol Shear Flows in Ceramic Membrane Channels. Chemical Engineering and Technology, 2018, 41, 168-174.	1.5	15
67	Enhancing the Catalytic Activity and Stability of Noble Metal Nanoparticles by the Strong Interaction of Magnetic Biochar Support. Industrial & Engineering Chemistry Research, 2018, 57, 13055-13064.	3.7	49
68	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. Industrial & Engineering Chemistry Research, 2018, 57, 7855-7865.	3.7	7
69	The effects of environmental conditions on the enrichment of antibiotics on microplastics in simulated natural water column. Environmental Research, 2018, 166, 377-383.	7.5	82
70	Selective phenol hydrogenation to cyclohexanone over Pd@N-doped porous carbon: role of storage under air of recovered catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 605-617.	1.7	5
71	Preparation of MOF Confined Ag Nanoparticles for the Highly Active, Size Selective Hydrogenation of Olefins. ChemCatChem, 2018, 10, 3659-3665.	3.7	21
72	MOF Templated Nitrogen Doped Carbon Stabilized Pt-Co Bimetallic Nanoparticles: Low Pt Content and Robust Activity toward Electrocatalytic Oxygen Reduction Reaction. ACS Applied Nano Materials, 2018, 1, 3331-3338.	5.0	53

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73	Spectroscopic investigation reveals the interference mechanism of surfactants on the removal of 1-naphthol by activated biochar. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4196-4205.	6.7	5
74	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.	1.7	26
75	Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2017, 89, 4264-4271.	6.5	45
76	Slow Pyrolysis Magnetization of Hydrochar for Effective and Highly Stable Removal of Tetracycline from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 3059-3066.	3.7	41
77	High catalytic efficiency of $\text{Pd}$ nanoparticles immobilized on $\text{TiO}_2$ nanorods-coated ceramic membranes. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2374-2382.	1.7	9
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.	4.9	28
79	Fates of Chemical Elements in Biomass during Its Pyrolysis. <i>Chemical Reviews</i> , 2017, 117, 6367-6398.	47.7	399
80	Role of initial water content in glycerol hydrogenolysis to 1,2-propanediol over $\text{Cu-ZnO}$ catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 1129-1143.	1.7	12
81	Recent developments of post-modification of biochar for electrochemical energy storage. <i>Bioresource Technology</i> , 2017, 246, 224-233.	9.6	160
82	Magnesium Oxide Embedded Nitrogen Self-Doped Biochar Composites: Fast and High-Efficiency Adsorption of Heavy Metals in an Aqueous Solution. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10081-10089.	10.0	306
83	Sustainable In Situ Carbothermal Reduction Route to Biochar Stabilized $\text{Ru-Cu}$ Nanoalloys from Lignocellulosic Biomass as a Highly Efficient and Durable Catalyst. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700102.	5.3	9
84	Efficiently reducing the plant growth inhibition of $\text{CuO}$ NPs using rice husk-derived biochar: experimental demonstration and mechanism investigation. <i>Environmental Science: Nano</i> , 2017, 4, 1722-1732.	4.3	14
85	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.	9.6	106
86	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.	6.7	105
87	Preventing the Release of $\text{Cu}^{2+}$ and 4-CP from Contaminated Sediments by Employing a Biochar Capping Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7730-7738.	3.7	17
88	Facile synthesis of $\text{Ag/Ag}_3\text{PO}_4/\text{AMB}$ composite with improved photocatalytic performance. <i>Chemical Engineering Journal</i> , 2017, 308, 889-896.	12.7	58
89	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.	6.7	55
90	Influence of Pyrolytic Biochar on Settability and Denitrification of Activated Sludge Process. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 357-364.	1.3	10

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91	Robust biochar-assisted alleviation of membrane fouling in MBRs by indirect mechanism. Separation and Purification Technology, 2017, 184, 195-204.	7.9	25
92	Study on the application of integrated eco-engineering in purifying eutrophic river waters. Ecological Engineering, 2016, 94, 320-328.	3.6	44
93	Selective hydrogenation of lignin to produce chemical commodities by using a biochar supported Ni-Mo <sub>2</sub> C catalyst obtained from biomass. Green Chemistry, 2016, 18, 4032-4041.	9.0	94
94	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. Green Chemistry, 2016, 18, 5643-5650.	9.0	51
95	Use of Nutrient Rich Hydrophytes to Create N,P-Dually Doped Porous Carbon with Robust Energy Storage Performance. Environmental Science & Technology, 2016, 50, 12421-12428.	10.0	52
96	Achieving high-efficiency and ultrafast removal of Pb(II) by one-pot incorporation of a N-doped carbon hydrogel into FeMg layered double hydroxides. Journal of Materials Chemistry A, 2016, 4, 10336-10344.	10.3	63
97	One-pot high yield synthesis of Ag nanoparticle-embedded biochar hybrid materials from waste biomass for catalytic Cr(VI) reduction. Environmental Science: Nano, 2016, 3, 745-753.	4.3	58
98	Improvement of phenol photodegradation efficiency by a combined g-C <sub>3</sub> N <sub>4</sub> /Fe(III)/persulfate system. Chemosphere, 2016, 148, 34-40.	8.2	74
99	Controllable synthesis of Pd@ZIF-L catalysts by an assembly method. RSC Advances, 2016, 6, 21337-21344.	3.6	11
100	Pyrolytic Temperature Dependent and Ash Catalyzed Formation of Sludge Char with Ultra-High Adsorption to 1-Naphthol. Environmental Science & Technology, 2016, 50, 2602-2609.	10.0	93
101	Preparation of high adsorption performance and stable biochar granules by FeCl <sub>3</sub> -catalyzed fast pyrolysis. RSC Advances, 2016, 6, 12226-12234.	3.6	16
102	Lab-scale thermal analysis of electronic waste plastics. Journal of Hazardous Materials, 2016, 310, 217-225.	12.4	42
103	Enhanced catalytic properties of Pd nanoparticles by their deposition on ZnO-coated ceramic membranes. RSC Advances, 2016, 6, 2087-2095.	3.6	17
104	Synthesis of p-aminophenol from p-nitrophenol reduction over Pd@ZIF-8. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 307-317.	1.7	21
105	Comparative Investigation on Photoreactivity and Mechanism of Biogenic and Chemosynthetic Ag/C <sub>3</sub> N <sub>4</sub> Composites under Visible Light Irradiation. ACS Sustainable Chemistry and Engineering, 2015, 3, 269-276.	6.7	76
106	Improving Capacitance by Introducing Nitrogen Species and Defects into Graphene. ChemElectroChem, 2015, 2, 859-866.	3.4	12
107	Thermochemical conversion of lignin to functional materials: a review and future directions. Green Chemistry, 2015, 17, 4888-4907.	9.0	437
108	Significant enhancement of photoreactivity of graphitic carbon nitride catalysts under acidic conditions and the underlying H <sup>+</sup> -mediated mechanism. Chemosphere, 2015, 141, 127-133.	8.2	22



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109	Liquid phase hydroxylation of benzene to phenol over vanadyl acetylacetonate supported on amine functionalized SBA-15. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 535-547.	1.7	16
110	Ultra-high capacity and selective immobilization of Pb through crystal growth of hydroxypyromorphite on amino-functionalized hydrochar. Journal of Materials Chemistry A, 2015, 3, 9843-9850.	10.3	30
111	A Fenton-like process for the enhanced activated sludge dewatering. Chemical Engineering Journal, 2015, 272, 128-134.	12.7	186
112	Development of Biochar-Based Functional Materials: Toward a Sustainable Platform Carbon Material. Chemical Reviews, 2015, 115, 12251-12285.	47.7	1,149
113	One-pot synthesis of Ni <sub>2</sub> O <sub>4</sub> /carbon nanofiber composites from biomass for selective hydrogenation of aromatic nitro compounds. Green Chemistry, 2015, 17, 821-826.	9.0	100
114	High-performance Pd nanoalloy on functionalized activated carbon for the hydrogenation of nitroaromatic compounds. Chemical Engineering Journal, 2015, 259, 161-169.	12.7	42
115	Copper release from copper nanoparticles in the presence of natural organic matter. Water Research, 2015, 68, 12-23.	11.3	92
116	Biosorption of Cr (VI) by Typha angustifolia: Mechanism and responses to heavy metal stress. Bioresource Technology, 2014, 160, 89-92.	9.6	46
117	Surfactant-mediated settleability and dewaterability of activated sludge. Chemical Engineering Science, 2014, 116, 228-234.	3.8	54
118	Bimetallic Fe nanoparticles: Recent advances in synthesis and application in catalytic elimination of environmental pollutants. Chemical Engineering Journal, 2014, 236, 448-463.	12.7	215
119	Precise and Economical Dredging Model of Sediments and Its Field Application: Case Study of a River Heavily Polluted by Organic Matter, Nitrogen, and Phosphorus. Environmental Management, 2014, 53, 1119-1131.	2.7	13
120	Amino modification of biochar for enhanced adsorption of copper ions from synthetic wastewater. Water Research, 2014, 48, 396-405.	11.3	509
121	High-Yield Harvest of Nanofibers/Mesoporous Carbon Composite by Pyrolysis of Waste Biomass and Its Application for High Durability Electrochemical Energy Storage. Environmental Science & Technology, 2014, 48, 13951-13959.	10.0	173
122	Facile modification of a graphitic carbon nitride catalyst to improve its photoreactivity under visible light irradiation. Chemical Engineering Journal, 2014, 256, 230-237.	12.7	92
123	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. Green Chemistry, 2014, 16, 4198.	9.0	135
124	Polyethylenimine modified biochar adsorbent for hexavalent chromium removal from the aqueous solution. Bioresource Technology, 2014, 169, 403-408.	9.6	344
125	Investigation on the Evolution of N-Containing Organic Compounds during Pyrolysis of Sewage Sludge. Environmental Science & Technology, 2014, 48, 10888-10896.	10.0	223
126	Thermochemical Behavior of Tris(2-Butoxyethyl) Phosphate (TBEP) during Co-pyrolysis with Biomass. Environmental Science & Technology, 2014, 48, 10734-10742.	10.0	35



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127	Migration of Phosphorus in Sewage Sludge during Different Thermal Treatment Processes. ACS Sustainable Chemistry and Engineering, 2014, 2, 1411-1419.	6.7	178
128	Biological and chemical phosphorus solubilization from pyrolytical biochar in aqueous solution. Chemosphere, 2014, 113, 175-181.	8.2	41
129	Enhanced adsorption performance of tetracycline in aqueous solutions by methanol-modified biochar. Chemical Engineering Journal, 2014, 248, 168-174.	12.7	331
130	Mesoporous Carbon Stabilized MgO Nanoparticles Synthesized by Pyrolysis of MgCl <sub>2</sub> Preloaded Waste Biomass for Highly Efficient CO <sub>2</sub> Capture. Environmental Science & Technology, 2013, 47, 9397-9403.	10.0	204
131	Effects of environmental conditions on the release of phosphorus from biochar. Chemosphere, 2013, 93, 2069-2075.	8.2	115
132	Continuous phenol hydroxylation over ultrafine TS-1 in a side-stream ceramic membrane reactor. Korean Journal of Chemical Engineering, 2013, 30, 852-859.	2.7	7
133	Facile synthesis of highly efficient and recyclable magnetic solid acid from biomass waste. Scientific Reports, 2013, 3, 2419.	3.3	140
134	Self-heating co-pyrolysis of excessive activated sludge with waste biomass: Energy balance and sludge reduction. Bioresource Technology, 2013, 133, 16-22.	9.6	95
135	Mass production of chemicals from biomass-derived oil by directly atmospheric distillation coupled with co-pyrolysis. Scientific Reports, 2013, 3, 1120.	3.3	87
136	Preparation of liquid chemical feedstocks by co-pyrolysis of electronic waste and biomass without formation of polybrominated dibenzo-p-dioxins. Bioresource Technology, 2013, 128, 1-7.	9.6	67
137	The dispersity-dependent interaction between montmorillonite supported nZVI and Cr(VI) in aqueous solution. Chemical Engineering Journal, 2013, 229, 412-419.	12.7	69
138	Determination of Total Nitrogen in Solid Samples by Two-Step Digestion–Ultraviolet Spectrophotometry Method. Communications in Soil Science and Plant Analysis, 2013, 44, 1080-1091.	1.4	10
139	Selectively Improving the Bio-Oil Quality by Catalytic Fast Pyrolysis of Heavy-Metal-Polluted Biomass: Take Copper (Cu) as an Example. Environmental Science & Technology, 2012, 46, 7849-7856.	10.0	138
140	Bio-oil upgrading at ambient pressure and temperature using zero valent metals. Green Chemistry, 2012, 14, 2226.	9.0	36
141	Modification of bio-char derived from fast pyrolysis of biomass and its application in removal of tetracycline from aqueous solution. Bioresource Technology, 2012, 121, 235-240.	9.6	520
142	Composite Fe <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> photocatalyst: Preparation, characterization, and studies on the photocatalytic activity and chemical stability. Chemical Engineering Journal, 2012, 180, 9-18.	12.7	82
143	An investigation on reuse of Cr-contaminated sediment: Cr removal and interaction between Cr and organic matter. Chemical Engineering Journal, 2012, 189-190, 222-228.	12.7	11
144	pH-Dependent Interactions Between Lead and <i>Typha angustifolia</i> Biomass in the Biosorption Process. Industrial & Engineering Chemistry Research, 2011, 50, 5920-5926.	3.7	8

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145	Design, Preparation, and Characterization of a Novel Hyper-Cross-Linked Polyphosphamide Polymer and Its Adsorption for Phenol. Industrial & Engineering Chemistry Research, 2011, 50, 11614-11619.	3.7	10
146	Preparation of high adsorption capacity bio-chars from waste biomass. Bioresource Technology, 2011, 102, 8247-8252.	9.6	239
147	Total recovery of nitrogen and phosphorus from three wetland plants by fast pyrolysis technology. Bioresource Technology, 2011, 102, 3471-3479.	9.6	83
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