

# Huajun Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

7,005  
citations

66343

42  
h-index

60623

81  
g-index

82  
all docs

82  
docs citations

82  
times ranked

6165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient conversion of sewage sludge into hydrochar by microwave-assisted hydrothermal carbonization. <i>Science of the Total Environment</i> , 2022, 803, 149874.	8.0	23
2	Pivotal role of water molecules in the photodegradation of pymetrozine: New insights for developing green pesticides. <i>Journal of Hazardous Materials</i> , 2022, 423, 127197.	12.4	7
3	Co-liquefaction of <i>Chlorella</i> and soybean straw for production of bio-crude: Effects of reusing aqueous phase as the reaction medium. <i>Science of the Total Environment</i> , 2022, 820, 153348.	8.0	25
4	Dysregulated expression of mRNA and SNP in pulmonary artery remodeling in ascites syndrome in broilers. <i>Poultry Science</i> , 2021, 100, 100877.	3.4	7
5	A comparison study of applying natural iron minerals and zero-valent metals as Fenton-like catalysts for the removal of imidacloprid. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42217-42229.	5.3	13
6	Valorization of the aqueous phase produced from wet and dry thermochemical processing biomass: A review. <i>Journal of Cleaner Production</i> , 2021, 294, 126238.	9.3	48
7	An overview on engineering the surface area and porosity of biochar. <i>Science of the Total Environment</i> , 2021, 763, 144204.	8.0	434
8	Transformation characteristics of polycyclic aromatic hydrocarbons during hydrothermal liquefaction of sewage sludge. <i>Journal of Supercritical Fluids</i> , 2021, 170, 105158.	3.2	14
9	The impact of the particle size of meat and bone meal (MBM) incineration ash on phosphate precipitation and phosphorus recovery. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105247.	6.7	9
10	Co-culture of fungi-microalgae consortium for wastewater treatment: A review. <i>Bioresource Technology</i> , 2021, 330, 125008.	9.6	81
11	Speciation of Main Nutrients (N/P/K) in Hydrochars Produced from the Hydrothermal Carbonization of Swine Manure under Different Reaction Temperatures. <i>Materials</i> , 2021, 14, 4114.	2.9	15
12	Nitrogen containing functional groups of biochar: An overview. <i>Bioresource Technology</i> , 2020, 298, 122286.	9.6	249
13	Bioenergy recovery from wastewater produced by hydrothermal processing biomass: Progress, challenges, and opportunities. <i>Science of the Total Environment</i> , 2020, 748, 142383.	8.0	63
14	A review on pyrolysis of protein-rich biomass: Nitrogen transformation. <i>Bioresource Technology</i> , 2020, 315, 123801.	9.6	131
15	Effects of rice straw/wood sawdust addition on the transport/conversion behaviors of heavy metals during the liquefaction of sewage sludge. <i>Journal of Environmental Management</i> , 2020, 270, 110824.	7.8	14
16	Nitrogen in bio-oil produced from hydrothermal liquefaction of biomass: A review. <i>Chemical Engineering Journal</i> , 2020, 401, 126030.	12.7	165
17	Microwave-assisted hydrothermal carbonization of pig feces for the production of hydrochar. <i>Journal of Supercritical Fluids</i> , 2020, 162, 104858.	3.2	21
18	Advances in Hydrothermal Carbonization of Livestock Manure. <i>Nanotechnology in the Life Sciences</i> , 2020, , 183-205.	0.6	1

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19	Pyrolysis of different sewage sludge feedstocks for biochar products: Characterization and application. <i>Journal of Central South University</i> , 2020, 27, 3302-3319.	3.0	14
20	Biochar stability assessment methods: A review. <i>Science of the Total Environment</i> , 2019, 647, 210-222.	8.0	352
21	Distribution and transformation behaviors of heavy metals during liquefaction process of sewage sludge in ethanol-water mixed solvents. <i>Journal of Central South University</i> , 2019, 26, 2771-2784.	3.0	6
22	Study on the hydrothermal carbonization of swine manure: The effect of process parameters on the yield/properties of hydrochar and process water. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 144, 104692.	5.5	63
23	Adsorption isotherms, degradation kinetics, and leaching behaviors of cyanogen and hydrogen cyanide in eight texturally different agricultural soils from China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109704.	6.0	16
24	Meat & bone meal (MBM) incineration ash for phosphate removal from wastewater and afterward phosphorus recovery. <i>Journal of Cleaner Production</i> , 2019, 238, 117960.	9.3	19
25	Residue analysis of tetraniliprole in rice and related environmental samples by HPLC/MS. <i>Microchemical Journal</i> , 2019, 150, 104168.	4.5	19
26	Controllable synthesis of monodisperse nonspherical colloidal particles with cavity structures. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1645-1652.	2.3	4
27	Co-liquefaction of sewage sludge and rice straw/wood sawdust: The effect of process parameters on the yields/properties of bio-oil and biochar products. <i>Energy</i> , 2019, 173, 140-150.	8.8	53
28	Biochar stability assessment by incubation and modelling: Methods, drawbacks and recommendations. <i>Science of the Total Environment</i> , 2019, 664, 11-23.	8.0	69
29	Evaluation of the disappearance of cyanogen and hydrogen cyanide in different soil types using gas chromatography-mass spectrometry. <i>Microchemical Journal</i> , 2019, 151, 104253.	4.5	4
30	Surfactant assisted upgrading fuel properties of waste cooking oil biodiesel. <i>Journal of Cleaner Production</i> , 2019, 210, 1376-1384.	9.3	24
31	Applications of bio-oil-based emulsions in a DI diesel engine: The effects of bio-oil compositions on engine performance and emissions. <i>Energy</i> , 2018, 154, 110-118.	8.8	51
32	Liquefaction of sewage sludge in ethanol-water mixed solvents for bio-oil and biochar products. <i>Energy</i> , 2018, 148, 629-641.	8.8	67
33	Highly efficient conversion of camphor tree sawdust into bio-oil and biochar products by liquefaction in ethanol-water cosolvent. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 186-198.	5.5	34
34	An overview of the effect of pyrolysis process parameters on biochar stability. <i>Bioresource Technology</i> , 2018, 270, 627-642.	9.6	275
35	Discovery of Specific Nonpeptide Probe for Chymotrypsin via Molecular Docking-Based Virtual Screening and the Application. <i>ACS Applied Bio Materials</i> , 2018, 1, 310-317.	4.6	18
36	Bio-oil upgrading by emulsification/microemulsification: A review. <i>Energy</i> , 2018, 161, 214-232.	8.8	129

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37	Upgrading Sewage Sludge Liquefaction Bio-Oil by Microemulsification: The Effect of Ethanol as Polar Phase on Solubilization Performance and Fuel Properties. <i>Energy &amp; Fuels</i> , 2017, 31, 1574-1582.	5.1	29
38	Co-pyrolysis of sewage sludge and sawdust/rice straw for the production of biochar. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 61-68.	5.5	225
39	Liquefaction of Biomass for Bio-oil Products. , 2017, , 231-250.		3
40	Discovery of a butyrylcholinesterase-specific probe via a structure-based design strategy. <i>Chemical Communications</i> , 2017, 53, 3952-3955.	4.1	42
41	Pollution hazards of heavy metals in sewage sludge from four wastewater treatment plants in Nanchang, China. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 2249-2259.	4.2	52
42	Copper-modified TS-1 catalyzed hydroxylation of phenol with hydrogen peroxide as the oxidant. <i>RSC Advances</i> , 2016, 6, 101071-101078.	3.6	32
43	Study on demetalization of sewage sludge by sequential extraction before liquefaction for the production of cleaner bio-oil and bio-char. <i>Bioresource Technology</i> , 2016, 200, 320-327.	9.6	58
44	The migration and transformation behaviors of heavy metals during the hydrothermal treatment of sewage sludge. <i>Bioresource Technology</i> , 2016, 200, 991-998.	9.6	295
45	Recent progress in the direct liquefaction of typical biomass. <i>Progress in Energy and Combustion Science</i> , 2015, 49, 59-80.	31.2	249
46	The pseudo-ternary phase diagrams and properties of anionic/nonionic mixed surfactant reverse micellar systems. <i>Journal of Molecular Liquids</i> , 2015, 203, 181-186.	4.9	15
47	Characterization of liquefaction bio-oil from sewage sludge and its solubilization in diesel microemulsion. <i>Energy</i> , 2015, 82, 218-228.	8.8	55
48	The comparison of oxidative thermokinetics between emulsion and microemulsion diesel fuel. <i>Energy Conversion and Management</i> , 2015, 101, 364-370.	9.2	37
49	Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. <i>Applied Surface Science</i> , 2015, 346, 223-231.	6.1	171
50	Laccase behavior in the microenvironment of water core within a biosurfactant-based reversed micelles system rhamnolipid/n-hexanol/isooctane/water. <i>Surface and Interface Analysis</i> , 2015, 47, 491-497.	1.8	2
51	The comparison of the migration and transformation behavior of heavy metals during pyrolysis and liquefaction of municipal sewage sludge, paper mill sludge, and slaughterhouse sludge. <i>Bioresource Technology</i> , 2015, 198, 16-22.	9.6	90
52	Distribution behavior and risk assessment of metals in bio-oils produced by liquefaction/pyrolysis of sewage sludge. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18945-18955.	5.3	12
53	Energy recovery and secondary pollutant emission from the combustion of co-pelletized fuel from municipal sewage sludge and wood sawdust. <i>Energy</i> , 2015, 91, 441-450.	8.8	55
54	Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. <i>Chemosphere</i> , 2015, 120, 645-652.	8.2	100

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55	Characterization and application of bio-chars from liquefaction of microalgae, lignocellulosic biomass and sewage sludge. <i>Fuel Processing Technology</i> , 2015, 129, 8-14.	7.2	122
56	Effect of different surfactants on removal efficiency of heavy metals in sewage sludge treated by a novel method combining bio-acidification with Fenton oxidation. <i>Journal of Central South University</i> , 2014, 21, 4623-4629.	3.0	10
57	Synchronous extraction of lignin peroxidase and manganese peroxidase from <i>Phanerochaete chrysosporium</i> fermentation broth. <i>Separation and Purification Technology</i> , 2014, 123, 164-170.	7.9	14
58	Study on the solubilization capacity of bio-oil in diesel by microemulsion technology with Span80 as surfactant. <i>Fuel Processing Technology</i> , 2014, 118, 141-147.	7.2	53
59	An integrated treatment of domestic wastewater using sequencing batch biofilm reactor combined with vertical flow constructed wetland and its artificial neural network simulation study. <i>Ecological Engineering</i> , 2014, 64, 18-26.	3.6	39
60	The Formation of Rhamnolipid-Based Water-Containing Castor Oil/Diesel Microemulsions and Their Potentiality as Green Fuels. <i>Energy &amp; Fuels</i> , 2014, 28, 5864-5871.	5.1	20
61	Precipitation and Recovery of Cellulase using Biosurfactant. <i>Separation Science and Technology</i> , 2014, 49, 2249-2254.	2.5	6
62	Integrated evaluation system under randomness and fuzziness for groundwater contamination risk assessment in a little town, Central China. <i>Journal of Central South University</i> , 2014, 21, 1044-1050.	3.0	4
63	Thermochemical liquefaction characteristics of sewage sludge in different organic solvents. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 109, 176-184.	5.5	86
64	Co-pelletization of sewage sludge and biomass: The density and hardness of pellet. <i>Bioresource Technology</i> , 2014, 166, 435-443.	9.6	146
65	The migration and transformation behavior of heavy metals during the liquefaction process of sewage sludge. <i>Bioresource Technology</i> , 2014, 167, 144-150.	9.6	122
66	Thermochemical liquefaction of rice husk for bio-oil production in mixed solvent (ethanol+water). <i>Fuel Processing Technology</i> , 2013, 112, 93-99.	7.2	104
67	Thermochemical liquefaction of rice husk for bio-oil production with sub- and supercritical ethanol as solvent. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 102, 60-67.	5.5	81
68	Comparative studies of thermochemical liquefaction characteristics of microalgae, lignocellulosic biomass and sewage sludge. <i>Energy</i> , 2013, 56, 52-60.	8.8	156
69	Graphene-based materials: Fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. <i>Advances in Colloid and Interface Science</i> , 2013, 195-196, 19-40.	14.7	306
70	Adsorption characteristics and behaviors of graphene oxide for Zn(II) removal from aqueous solution. <i>Applied Surface Science</i> , 2013, 279, 432-440.	6.1	418
71	Ecological risk assessment of heavy metals in sediments of Xiawan Port based on modified potential ecological risk index. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1470-1477.	4.2	174
72	Studies on the solubilization of aqueous methylene blue in surfactant using MEUF. <i>Separation and Purification Technology</i> , 2012, 98, 497-502.	7.9	22

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73	Effect of rhamnolipids on cadmium adsorption by <i>Penicillium simplicissimum</i> . <i>Journal of Central South University</i> , 2012, 19, 1073-1080.	3.0	16
74	Co-liquefaction of microalgae and synthetic polymer mixture in sub- and supercritical ethanol. <i>Fuel Processing Technology</i> , 2012, 93, 35-44.	7.2	67
75	Extraction and purification of laccase by employing a novel rhamnolipid reversed micellar system. <i>Process Biochemistry</i> , 2012, 47, 742-748.	3.7	31
76	Comparative studies of thermochemical liquefaction characteristics of microalgae using different organic solvents. <i>Energy</i> , 2011, 36, 6406-6412.	8.8	141
77	Quantitative evaluation of heavy metals' pollution hazards in liquefaction residues of sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 10346-10351.	9.6	160
78	Total concentrations and chemical speciation of heavy metals in liquefaction residues of sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 4104-4110.	9.6	227
79	Thermochemical liquefaction characteristics of microalgae in sub- and supercritical ethanol. <i>Fuel Processing Technology</i> , 2011, 92, 147-153.	7.2	203
80	Micellar-enhanced ultrafiltration of methylene blue from dye wastewater via a polysulfone hollow fiber membrane. <i>Journal of Membrane Science</i> , 2010, 365, 138-144.	8.2	88
81	The formation of bio-oil from sludge by deoxy-liquefaction in supercritical ethanol. <i>Bioresource Technology</i> , 2010, 101, 2860-2866.	9.6	124