

# Chuan Peng

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,138  
citations

18  
h-index

30  
g-index

30  
ext. papers

1,499  
ext. citations

7.8  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
30	Production of char from sewage sludge employing hydrothermal carbonization: Char properties, combustion behavior and thermal characteristics. <i>Fuel</i> , <b>2016</b> , 176, 110-118	7.1	223
29	Influence of temperature on nitrogen fate during hydrothermal carbonization of food waste. <i>Bioresource Technology</i> , <b>2018</b> , 247, 182-189	11	93
28	Hydrothermal carbonization of sewage sludge: The effect of feed-water pH on fate and risk of heavy metals in hydrochars. <i>Bioresource Technology</i> , <b>2016</b> , 218, 183-8	11	86
27	Hydrothermal carbonisation of sewage sludge for char production with different waste biomass: Effects of reaction temperature and energy recycling. <i>Energy</i> , <b>2017</b> , 127, 167-174	7.9	80
26	Mass concentration and health risk assessment of heavy metals in size-segregated airborne particulate matter in Changsha. <i>Science of the Total Environment</i> , <b>2015</b> , 517, 215-21	10.2	74
25	Feedwater pH affects phosphorus transformation during hydrothermal carbonization of sewage sludge. <i>Bioresource Technology</i> , <b>2017</b> , 245, 182-187	11	62
24	Co-hydrothermal carbonization of food waste-woody biomass blend towards biofuel pellets production. <i>Bioresource Technology</i> , <b>2018</b> , 267, 371-377	11	56
23	Evaluation of the clean characteristics and combustion behavior of hydrochar derived from food waste towards solid biofuel production. <i>Bioresource Technology</i> , <b>2018</b> , 266, 275-283	11	51
22	Investigation of the structure and reaction pathway of char obtained from sewage sludge with biomass wastes, using hydrothermal treatment. <i>Journal of Cleaner Production</i> , <b>2017</b> , 166, 114-123	10.3	48
21	Acetic Acid and Sodium Hydroxide-Aided Hydrothermal Carbonization of Woody Biomass for Enhanced Pelletization and Fuel Properties. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 12200-12208	4.1	45
20	Production of fuel pellets via hydrothermal carbonization of food waste using molasses as a binder. <i>Waste Management</i> , <b>2018</b> , 77, 185-194	8.6	39
19	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. <i>Bioresource Technology</i> , <b>2017</b> , 246, 234-241	11	34
18	Effect of sewage sludge hydrochar on soil properties and Cd immobilization in a contaminated soil. <i>Chemosphere</i> , <b>2017</b> , 189, 627-633	8.4	33
17	Fabrication of bean dreg-derived carbon with high adsorption for methylene blue: Effect of hydrothermal pretreatment and pyrolysis process. <i>Bioresource Technology</i> , <b>2019</b> , 274, 525-532	11	28
16	Effect of temperature on the sulfur fate during hydrothermal carbonization of sewage sludge. <i>Environmental Pollution</i> , <b>2020</b> , 260, 114067	9.3	26
15	Traffic-related heavy metals uptake by wild plants grow along two main highways in Hunan Province, China: effects of soil factors, accumulation ability, and biological indication potential. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 13368-77	5.1	22
14	Nitrogen-doped porous carbon from <i>Camellia oleifera</i> shells with enhanced electrochemical performance. <i>Materials Science and Engineering C</i> , <b>2016</b> , 61, 449-56	8.3	21

13	Co-hydrothermal carbonization of food waste-woody sawdust blend: Interaction effects on the hydrochar properties and nutrients characteristics. <i>Bioresource Technology</i> , <b>2020</b> , 316, 123900	11	20
12	Source Apportionment Coupled with Gas/Particle Partitioning Theory and Risk Assessment of Polycyclic Aromatic Hydrocarbons Associated with Size-Segregated Airborne Particulate Matter. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	17
11	Are silver nanoparticles always toxic in the presence of environmental anions?. <i>Chemosphere</i> , <b>2017</b> , 171, 318-323	8.4	14
10	What is the influence of the nitrogen-containing composition during hydrothermal carbonization of biomass? A new perspective from mimic feedstock. <i>Bioresource Technology Reports</i> , <b>2019</b> , 5, 343-350	4.1	13
9	Promoting Effect of ZSM-5 Catalyst on Carbonization via Hydrothermal Conversion of Sewage Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9461-9469	8.3	12
8	Pelletizing of hydrochar biofuels with organic binders. <i>Fuel</i> , <b>2020</b> , 280, 118659	7.1	9
7	Distribution and Conversion of Polycyclic Aromatic Hydrocarbons during the Hydrothermal Treatment of Sewage Sludge. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 9542-9549	4.1	8
6	Low temperature co-pyrolysis of food waste with PVC-derived char: Products distributions, char properties and mechanism of bio-oil upgrading. <i>Energy</i> , <b>2021</b> , 219, 119670	7.9	8
5	In-depth comparison of morphology, microstructure, and pathway of char derived from sewage sludge and relevant model compounds. <i>Waste Management</i> , <b>2020</b> , 102, 432-440	8.6	6
4	Simultaneous total organic carbon and humic acid removals for landfill leachate using subcritical water catalytic oxidation based on response surface methodology. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	3
3	Blunted Cardiac AMPK Response is Associated with Susceptibility to Ischemia/Reperfusion in Male Offspring of Gestational Diabetic Rats. <i>Cellular Physiology and Biochemistry</i> , <b>2019</b> , 52, 1103-1116	3.9	3
2	The adsorption mechanisms of $\text{ClO}_4^-$ onto highly graphited and hydrophobic porous carbonaceous materials from biomass. <i>RSC Advances</i> , <b>2016</b> , 6, 93975-93984	3.7	3
1	Feasibility and risk assessment of heavy metals from low-temperature magnetic pyrolysis of municipal solid waste on a pilot scale. <i>Chemosphere</i> , <b>2021</b> , 277, 130362	8.4	1