

Season S Chen

List of Publications by Citations

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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.

45
papers

3,265
citations

29
h-index

45
g-index

45
ext. papers

4,023
ext. citations

9.5
avg, IF

5.77
L-index

#	Paper	IF	Citations
45	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , 2016 , 148, 276-91	8.4	703
44	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. <i>Environment International</i> , 2020 , 134, 105046	12.9	352
43	Metal-organic framework (MOF)-derived catalysts for fine chemical production. <i>Coordination Chemistry Reviews</i> , 2020 , 416, 213319	23.2	242
42	A critical review on sustainable biochar system through gasification: Energy and environmental applications. <i>Bioresource Technology</i> , 2017 , 246, 242-253	11	188
41	Valorization of biomass to hydroxymethylfurfural, levulinic acid, and fatty acid methyl ester by heterogeneous catalysts. <i>Chemical Engineering Journal</i> , 2017 , 328, 246-273	14.7	156
40	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , 2019 , 291, 121878	11	113
39	Catalytic valorization of starch-rich food waste into hydroxymethylfurfural (HMF): Controlling relative kinetics for high productivity. <i>Bioresource Technology</i> , 2017 , 237, 222-230	11	99
38	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , 2018 , 252, 76-82	11	99
37	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , 2017 , 176, 315-323	8.4	80
36	Valorization of cellulosic food waste into levulinic acid catalyzed by heterogeneous Brønsted acids: Temperature and solvent effects. <i>Chemical Engineering Journal</i> , 2017 , 327, 328-335	14.7	80
35	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2016 , 137, 861-870	10.3	80
34	Valorization of food waste into hydroxymethylfurfural: Dual role of metal ions in successive conversion steps. <i>Bioresource Technology</i> , 2016 , 219, 338-347	11	79
33	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , 2016 , 125, 316-325	6.7	74
32	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. <i>Catalysis Today</i> , 2018 , 314, 52-61	6.3	63
31	Selective Glucose Isomerization to Fructose via a Nitrogen-doped Solid Base Catalyst Derived from Spent Coffee Grounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16113-16120	8.3	58
30	Polar aprotic solvent-water mixture as the medium for catalytic production of hydroxymethylfurfural (HMF) from bread waste. <i>Bioresource Technology</i> , 2017 , 245, 456-462	11	50
29	Potential impact of flowback water from hydraulic fracturing on agricultural soil quality: Metal/metalloid bioaccessibility, Microtox bioassay, and enzyme activities. <i>Science of the Total Environment</i> , 2017 , 579, 1419-1426	10.2	48

28	Valorization of lignocellulosic fibres of paper waste into levulinic acid using solid and aqueous Brüsted acid. <i>Bioresource Technology</i> , 2018 , 247, 387-394	11	48
27	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121243	12.8	48
26	Aging effects on chemical transformation and metal(loid) removal by entrapped nanoscale zero-valent iron for hydraulic fracturing wastewater treatment. <i>Science of the Total Environment</i> , 2018 , 615, 498-507	10.2	47
25	Valorization of starchy, cellulosic, and sugary food waste into hydroxymethylfurfural by one-pot catalysis. <i>Chemosphere</i> , 2017 , 184, 1099-1107	8.4	47
24	Tin-Functionalized Wood Biochar as a Sustainable Solid Catalyst for Glucose Isomerization in Biorefinery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4851-4860	8.3	44
23	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , 2018 , 196, 9-17	8.4	40
22	CO ₂ curing and fibre reinforcement for green recycling of contaminated wood into high-performance cement-bonded particleboards. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 107-116	7.6	34
21	Chemical transformation of food and beverage waste-derived fructose to hydroxymethylfurfural as a value-added product. <i>Catalysis Today</i> , 2018 , 314, 70-77	5.3	34
20	Microwave-assisted depolymerization of various types of waste lignins over two-dimensional CuO/BCN catalysts. <i>Green Chemistry</i> , 2020 , 22, 725-736	10	32
19	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6990-7001	8.3	31
18	Synthesis of zeolite A using sewage sludge ash for application in warm mix asphalt. <i>Journal of Cleaner Production</i> , 2018 , 172, 686-695	10.3	31
17	Zero-valent iron for the abatement of arsenate and selenate from flowback water of hydraulic fracturing. <i>Chemosphere</i> , 2017 , 167, 163-170	8.4	29
16	Effect of Solvent, Role of Formic Acid and Rh/C Catalyst for the Efficient Liquefaction of Lignin. <i>ChemCatChem</i> , 2019 , 11, 4604-4616	5.2	27
15	Selective hydrogenation of furfural to tetrahydrofurfuryl alcohol over a Rh-loaded carbon catalyst in aqueous solution under mild conditions. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 293-301	5.8	25
14	Insights into the subsurface transport of As(V) and Se(VI) in produced water from hydraulic fracturing using soil samples from Qingshankou Formation, Songliao Basin, China. <i>Environmental Pollution</i> , 2017 , 223, 449-456	9.3	22
13	De Novo synthesis of platinum-nanoparticle-encapsulated UiO-66-NH for photocatalytic thin film fabrication with enhanced performance of phenol degradation. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122431	12.8	19
12	Sorption, mobility, and bioavailability of PBDEs in the agricultural soils: Roles of co-existing metals, dissolved organic matter, and fertilizers. <i>Science of the Total Environment</i> , 2018 , 619-620, 1153-1162	10.2	17
11	Supercritical Carbon Dioxide Extraction of Value-Added Products and Thermochemical Synthesis of Platform Chemicals From Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2821-2829	8.3	16

10	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. <i>Journal of Cleaner Production</i> , 2019 , 212, 420-427	10.3	16
9	Sustainability likelihood of remediation options for metal-contaminated soil/sediment. <i>Chemosphere</i> , 2017 , 174, 421-427	8.4	13
8	Valorization of biomass from plant microbial fuel cells into levulinic acid by using liquid/solid acids and green solvents. <i>Journal of Cleaner Production</i> , 2020 , 260, 121097	10.3	13
7	Catalytically active interfaces in titania nanorod-supported copper catalysts for CO oxidation. <i>Nano Research</i> , 2020 , 13, 533-542	10	13
6	Assessment of agricultural waste-derived activated carbon in multiple applications. <i>Environmental Research</i> , 2020 , 191, 110176	7.9	13
5	Enhancing anti-microbial properties of wood-plastic composites produced from timber and plastic wastes. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12227-12237	5.1	11
4	Designing sustainable drainage systems in subtropical cities: Challenges and opportunities. <i>Journal of Cleaner Production</i> , 2021 , 280, 124418	10.3	11
3	Effect of N flow rate on kinetic investigation of lignin pyrolysis. <i>Environmental Research</i> , 2020 , 190, 109976	7.6	10
2	Engineered Nitrogen-Decorated Carbon Networks for the Metal-Free Catalytic Isomerization of Glucose to Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16959-16963	8.3	6
1	Synthesis of MOF525/PEDOT Composites as Microelectrodes for Electrochemical Sensing of Dopamine. <i>Polymers</i> , 2020 , 12,	4.5	4