

# Season S Chen

## List of Publications by Year in Descending Order

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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	Designing sustainable drainage systems in subtropical cities: Challenges and opportunities. <i>Journal of Cleaner Production</i> , <b>2021</b> , 280, 124418	10.3	11
44	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> , <b>2020</b> , 260, 121097	10.3	13
43	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6990-7001	8.3	31
42	Catalytically active interfaces in titania nanorod-supported copper catalysts for CO oxidation. <i>Nano Research</i> , <b>2020</b> , 13, 533-542	10	13
41	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> , <b>2020</b> , 397, 122431	12.8	19
40	Microwave-assisted depolymerization of various types of waste lignins over two-dimensional CuO/BCN catalysts. <i>Green Chemistry</i> , <b>2020</b> , 22, 725-736	10	32
39	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> , <b>2020</b> , 4, 293-301	5.8	25
38	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. <i>Environment International</i> , <b>2020</b> , 134, 105046	12.9	352
37	Effect of N flow rate on kinetic investigation of lignin pyrolysis. <i>Environmental Research</i> , <b>2020</b> , 190, 109976	7.6	10
36	Synthesis of MOF525/PEDOT Composites as Microelectrodes for Electrochemical Sensing of Dopamine. <i>Polymers</i> , <b>2020</b> , 12,	4.5	4
35	Assessment of agricultural waste-derived activated carbon in multiple applications. <i>Environmental Research</i> , <b>2020</b> , 191, 110176	7.9	13
34	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121243	12.8	48
33	Metal-organic framework (MOF)-derived catalysts for fine chemical production. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 416, 213319	23.2	242
32	Engineered Nitrogen-Decorated Carbon Networks for the Metal-Free Catalytic Isomerization of Glucose to Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16959-16963	8.3	6
31	Effect of Solvent, Role of Formic Acid and Rh/C Catalyst for the Efficient Liquefaction of Lignin. <i>ChemCatChem</i> , <b>2019</b> , 11, 4604-4616	5.2	27
30	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , <b>2019</b> , 291, 121878	11	113
29	Tin-Functionalized Wood Biochar as a Sustainable Solid Catalyst for Glucose Isomerization in Biorefinery. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4851-4860	8.3	44

28	Supercritical Carbon Dioxide Extraction of Value-Added Products and Thermochemical Synthesis of Platform Chemicals from Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2821-2829	8.3	16
27	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. <i>Journal of Cleaner Production</i> , <b>2019</b> , 212, 420-427	10.3	16
26	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. <i>Catalysis Today</i> , <b>2018</b> , 314, 52-61	5.3	63
25	Chemical transformation of food and beverage waste-derived fructose to hydroxymethylfurfural as a value-added product. <i>Catalysis Today</i> , <b>2018</b> , 314, 70-77	5.3	34
24	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> , <b>2018</b> , 619-620, 1153-1162	10.2	17
23	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , <b>2018</b> , 196, 9-17	8.4	40
22	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , <b>2018</b> , 252, 76-82	11	99
21	Valorization of lignocellulosic fibres of paper waste into levulinic acid using solid and aqueous Br <sub>2</sub> sted acid. <i>Bioresource Technology</i> , <b>2018</b> , 247, 387-394	11	48
20	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> , <b>2018</b> , 615, 498-507	10.2	47
19	Synthesis of zeolite A using sewage sludge ash for application in warm mix asphalt. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 686-695	10.3	31
18	Selective Glucose Isomerization to Fructose via a Nitrogen-doped Solid Base Catalyst Derived from Spent Coffee Grounds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16113-16120	8.3	58
17	CO <sub>2</sub> curing and fibre reinforcement for green recycling of contaminated wood into high-performance cement-bonded particleboards. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2017</b> , 18, 107-116	7.6	34
16	Catalytic valorization of starch-rich food waste into hydroxymethylfurfural (HMF): Controlling relative kinetics for high productivity. <i>Bioresource Technology</i> , <b>2017</b> , 237, 222-230	11	99
15	Sustainability likelihood of remediation options for metal-contaminated soil/sediment. <i>Chemosphere</i> , <b>2017</b> , 174, 421-427	8.4	13
14	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , <b>2017</b> , 176, 315-323	8.4	80
13	Enhancing anti-microbial properties of wood-plastic composites produced from timber and plastic wastes. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 12227-12237	5.1	11
12	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> , <b>2017</b> , 579, 1419-1426	10.2	48
11	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> , <b>2017</b> , 223, 449-456	9.3	22

10	Polar aprotic solvent-water mixture as the medium for catalytic production of hydroxymethylfurfural (HMF) from bread waste. <i>Bioresource Technology</i> , <b>2017</b> , 245, 456-462	11	50
9	Valorization of cellulosic food waste into levulinic acid catalyzed by heterogeneous Brønsted acids: Temperature and solvent effects. <i>Chemical Engineering Journal</i> , <b>2017</b> , 327, 328-335	14.7	80
8	Valorization of biomass to hydroxymethylfurfural, levulinic acid, and fatty acid methyl ester by heterogeneous catalysts. <i>Chemical Engineering Journal</i> , <b>2017</b> , 328, 246-273	14.7	156
7	Valorization of starchy, cellulosic, and sugary food waste into hydroxymethylfurfural by one-pot catalysis. <i>Chemosphere</i> , <b>2017</b> , 184, 1099-1107	8.4	47
6	A critical review on sustainable biochar system through gasification: Energy and environmental applications. <i>Bioresource Technology</i> , <b>2017</b> , 246, 242-253	11	188
5	Zero-valent iron for the abatement of arsenate and selenate from flowback water of hydraulic fracturing. <i>Chemosphere</i> , <b>2017</b> , 167, 163-170	8.4	29
4	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , <b>2016</b> , 148, 276-91	8.4	703
3	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 316-325	6.7	74
2	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2016</b> , 137, 861-870	10.3	80
1	Valorization of food waste into hydroxymethylfurfural: Dual role of metal ions in successive conversion steps. <i>Bioresource Technology</i> , <b>2016</b> , 219, 338-347	11	79