

# Pei-Te Chiueh

## 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.

43  
papers

1,144  
citations

19  
h-index

33  
g-index

43  
ext. papers

1,370  
ext. citations

7.8  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
43	A review on microwave pyrolysis of lignocellulosic biomass. <i>Sustainable Environment Research</i> , <b>2016</b> , 26, 103-109	3.8	147
42	Microwave pyrolysis of lignocellulosic biomass: Heating performance and reaction kinetics. <i>Energy</i> , <b>2016</b> , 100, 137-144	7.9	129
41	Microwave co-pyrolysis of sewage sludge and rice straw. <i>Energy</i> , <b>2015</b> , 87, 638-644	7.9	79
40	Microwave pyrolysis of rice straw: products, mechanism, and kinetics. <i>Bioresource Technology</i> , <b>2013</b> , 142, 620-4	11	67
39	Life cycle assessment of biochar cofiring with coal. <i>Bioresource Technology</i> , <b>2013</b> , 131, 166-71	11	54
38	Life cycle assessment of environmental impacts and energy demand for capacitive deionization technology. <i>Desalination</i> , <b>2016</b> , 399, 53-60	10.3	52
37	Environmental and energy assessment of biomass residues to biochar as fuel: A brief review with recommendations for future bioenergy systems. <i>Journal of Cleaner Production</i> , <b>2020</b> , 251, 119714	10.3	52
36	Microwave torrefaction of sewage sludge and leucaena. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 70, 236-243	5.3	48
35	Effects of lignocellulosic composition and microwave power level on the gaseous product of microwave pyrolysis. <i>Energy</i> , <b>2015</b> , 89, 974-981	7.9	48
34	Microwave enhanced stabilization of heavy metal sludge. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 139, 160-6.8	6.8	42
33	Co-torrefaction of sewage sludge and leucaena by using microwave heating. <i>Energy</i> , <b>2016</b> , 116, 1-7	7.9	42
32	Spatial optimization of the food, energy, and water nexus: A life cycle assessment-based approach. <i>Energy Policy</i> , <b>2018</b> , 119, 502-514	7.2	37
31	Environmental Effects of Sewage Sludge Carbonization and Other Treatment Alternatives. <i>Energies</i> , <b>2013</b> , 6, 871-883	3.1	36
30	Implications of biomass pretreatment to cost and carbon emissions: case study of rice straw and Pennisetum in Taiwan. <i>Bioresource Technology</i> , <b>2012</b> , 108, 285-94	11	34
29	Heterogeneous Fenton oxidation of trichloroethylene catalyzed by sewage sludge biochar: Experimental study and life cycle assessment. <i>Chemosphere</i> , <b>2020</b> , 249, 126139	8.4	31
28	Measuring urban food-energy-water nexus sustainability: Finding solutions for cities. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141954	10.2	26
27	Water reclamation and sludge recycling scenarios for sustainable resource management in a wastewater treatment plant in Kinmen islands, Taiwan. <i>Journal of Cleaner Production</i> , <b>2017</b> , 152, 369-378	10.3	25

26	A GIS-based system for allocating municipal solid waste incinerator compensatory fund. <i>Waste Management</i> , <b>2008</b> , 28, 2690-701	8.6	25
25	Membrane capacitive deionization for low-salinity desalination in the reclamation of domestic wastewater effluents. <i>Chemosphere</i> , <b>2019</b> , 235, 413-422	8.4	20
24	Framework for determining optimal strategy for sustainable remediation of contaminated sediment: A case study in Northern Taiwan. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 822-831	10.2	17
23	Comprehensive assessment of regional food-energy-water nexus with GIS-based tool. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 151, 104457	11.9	16
22	Hotspot analysis and improvement schemes for capacitive deionization (CDI) using life cycle assessment. <i>Desalination</i> , <b>2019</b> , 468, 114087	10.3	14
21	Assessing the environmental impact of five Pd-based catalytic technologies in removing of nitrates. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 837-45	12.8	14
20	Assessment of different route choice on commuters exposure to air pollution in Taipei, Taiwan. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 3163-3171	5.1	13
19	Torrefaction of sewage sludge by using microwave heating. <i>Energy Procedia</i> , <b>2019</b> , 158, 67-72	2.3	10
18	Impacts of urban water consumption under climate change: An adaptation measure of rainwater harvesting system. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 160-168	6	9
17	An integrated risk management model for source water protection areas. <i>International Journal of Environmental Research and Public Health</i> , <b>2012</b> , 9, 3724-39	4.6	9
16	A vulnerability analysis in the Fei-tsui reservoir watershed in Taiwan. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 143, 9-14	3.1	9
15	Incorporating the effect of urbanization in measuring climate adaptive capacity. <i>Land Use Policy</i> , <b>2017</b> , 68, 28-38	5.6	8
14	Understanding synergies and trade-offs between water and energy production at landfill sites. <i>Science of the Total Environment</i> , <b>2019</b> , 687, 152-160	10.2	5
13	Creating ecosystem services assessment models incorporating land use impacts based on soil quality. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145018	10.2	5
12	Sector-wise midpoint characterization factors for impact assessment of regional consumptive and degradative water use. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 786-794	10.2	4
11	Single Criterion and Multiple Criteria Analysis: A Comparison of Water Quality Monitoring Designs for a River System. <i>Water Resources Management</i> , <b>2014</b> , 28, 645-655	3.7	3
10	Improving urban sustainability and resilience with the optimal arrangement of water-energy-food related practices.. <i>Science of the Total Environment</i> , <b>2021</b> , 812, 152559	10.2	3
9	Energy recovery from sewage sludge: Product characteristics, heating value prediction and reaction kinetics. <i>Chemosphere</i> , <b>2021</b> , 268, 128783	8.4	3

8	Embedding scarcity in urban water tariffs: mapping supply and demand in North Taiwan. <i>Environmental Earth Sciences</i> , <b>2019</b> , 78, 1	2.9	2
7	Reconstructing nutrient criteria for source water areas using reference conditions. <i>Sustainable Environment Research</i> , <b>2016</b> , 26, 243-248	3.8	2
6	Urban Metabolism of Recycling and Reusing Food Waste: A Case Study in Taipei City. <i>Procedia Engineering</i> , <b>2015</b> , 118, 992-999		1
5	Deployment of a mobile platform to characterize spatial and temporal variation of on-road fine particles in an urban area. <i>Environmental Research</i> , <b>2022</b> , 204, 112349	7.9	1
4	Spatio-temporal prediction and factor identification of urban air quality using support vector machine. <i>Urban Climate</i> , <b>2022</b> , 41, 101055	6.8	1
3	Mapping the local impacts of water consumption with regionalized three-dimensional arrays. <i>International Journal of Life Cycle Assessment</i> , <b>2021</b> , 26, 1495-1504	4.6	1
2	High-resolution spatial analysis for the air quality regulation service from urban vegetation: A case study of Taipei City. <i>Sustainable Cities and Society</i> , <b>2022</b> , 103976	10.1	0
1	Nature-based solutions for securing contributions of water, food, and energy in an urban environment.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	