

Pei-Te Chiueh

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.

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	Deployment of a mobile platform to characterize spatial and temporal variation of on-road fine particles in an urban area. <i>Environmental Research</i> , 2022 , 204, 112349	7.9	1
42	Spatio-temporal prediction and factor identification of urban air quality using support vector machine. <i>Urban Climate</i> , 2022 , 41, 101055	6.8	1
41	Nature-based solutions for securing contributions of water, food, and energy in an urban environment.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	
40	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> , 2022 , 103976	10.1	0
39	Improving urban sustainability and resilience with the optimal arrangement of water-energy-food related practices.. <i>Science of the Total Environment</i> , 2021 , 812, 152559	10.2	3
38	Mapping the local impacts of water consumption with regionalized three-dimensional arrays. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1495-1504	4.6	1
37	Creating ecosystem services assessment models incorporating land use impacts based on soil quality. <i>Science of the Total Environment</i> , 2021 , 773, 145018	10.2	5
36	Measuring urban food-energy-water nexus sustainability: Finding solutions for cities. <i>Science of the Total Environment</i> , 2021 , 752, 141954	10.2	26
35	Energy recovery from sewage sludge: Product characteristics, heating value prediction and reaction kinetics. <i>Chemosphere</i> , 2021 , 268, 128783	8.4	3
34	Heterogeneous Fenton oxidation of trichloroethylene catalyzed by sewage sludge biochar: Experimental study and life cycle assessment. <i>Chemosphere</i> , 2020 , 249, 126139	8.4	31
33	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> , 2020 , 251, 119714	10.3	52
32	Torrefaction of sewage sludge by using microwave heating. <i>Energy Procedia</i> , 2019 , 158, 67-72	2.3	10
31	Comprehensive assessment of regional food-energy-water nexus with GIS-based tool. <i>Resources, Conservation and Recycling</i> , 2019 , 151, 104457	11.9	16
30	Understanding synergies and trade-offs between water and energy production at landfill sites. <i>Science of the Total Environment</i> , 2019 , 687, 152-160	10.2	5
29	Embedding scarcity in urban water tariffs: mapping supply and demand in North Taiwan. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	2
28	Impacts of urban water consumption under climate change: An adaptation measure of rainwater harvesting system. <i>Journal of Hydrology</i> , 2019 , 572, 160-168	6	9
27	Hotspot analysis and improvement schemes for capacitive deionization (CDI) using life cycle assessment. <i>Desalination</i> , 2019 , 468, 114087	10.3	14

26	Membrane capacitive deionization for low-salinity desalination in the reclamation of domestic wastewater effluents. <i>Chemosphere</i> , 2019 , 235, 413-422	8.4	20
25	Framework for determining optimal strategy for sustainable remediation of contaminated sediment: A case study in Northern Taiwan. <i>Science of the Total Environment</i> , 2019 , 654, 822-831	10.2	17
24	Spatial optimization of the food, energy, and water nexus: A life cycle assessment-based approach. <i>Energy Policy</i> , 2018 , 119, 502-514	7.2	37
23	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> , 2017 , 152, 369-378	10.3	25
22	Microwave torrefaction of sewage sludge and leucaena. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 70, 236-243	5.3	48
21	Incorporating the effect of urbanization in measuring climate adaptive capacity. <i>Land Use Policy</i> , 2017 , 68, 28-38	5.6	8
20	Sector-wise midpoint characterization factors for impact assessment of regional consumptive and degradative water use. <i>Science of the Total Environment</i> , 2017 , 607-608, 786-794	10.2	4
19	Assessment of different route choice on commuters' exposure to air pollution in Taipei, Taiwan. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3163-3171	5.1	13
18	Life cycle assessment of environmental impacts and energy demand for capacitive deionization technology. <i>Desalination</i> , 2016 , 399, 53-60	10.3	52
17	Microwave pyrolysis of lignocellulosic biomass: Heating performance and reaction kinetics. <i>Energy</i> , 2016 , 100, 137-144	7.9	129
16	A review on microwave pyrolysis of lignocellulosic biomass. <i>Sustainable Environment Research</i> , 2016 , 26, 103-109	3.8	147
15	Reconstructing nutrient criteria for source water areas using reference conditions. <i>Sustainable Environment Research</i> , 2016 , 26, 243-248	3.8	2
14	Co-torrefaction of sewage sludge and leucaena by using microwave heating. <i>Energy</i> , 2016 , 116, 1-7	7.9	42
13	Effects of lignocellulosic composition and microwave power level on the gaseous product of microwave pyrolysis. <i>Energy</i> , 2015 , 89, 974-981	7.9	48
12	Microwave co-pyrolysis of sewage sludge and rice straw. <i>Energy</i> , 2015 , 87, 638-644	7.9	79
11	Urban Metabolism of Recycling and Reusing Food Waste: A Case Study in Taipei City. <i>Procedia Engineering</i> , 2015 , 118, 992-999		1
10	Single Criterion and Multiple Criteria Analysis: A Comparison of Water Quality Monitoring Designs for a River System. <i>Water Resources Management</i> , 2014 , 28, 645-655	3.7	3
9	Life cycle assessment of biochar cofiring with coal. <i>Bioresource Technology</i> , 2013 , 131, 166-71	11	54

8	Microwave pyrolysis of rice straw: products, mechanism, and kinetics. <i>Bioresource Technology</i> , 2013 , 142, 620-4	11	67
7	Environmental Effects of Sewage Sludge Carbonization and Other Treatment Alternatives. <i>Energies</i> , 2013 , 6, 871-883	3.1	36
6	Implications of biomass pretreatment to cost and carbon emissions: case study of rice straw and Pennisetum in Taiwan. <i>Bioresource Technology</i> , 2012 , 108, 285-94	11	34
5	An integrated risk management model for source water protection areas. <i>International Journal of Environmental Research and Public Health</i> , 2012 , 9, 3724-39	4.6	9
4	Assessing the environmental impact of five Pd-based catalytic technologies in removing of nitrates. <i>Journal of Hazardous Materials</i> , 2011 , 192, 837-45	12.8	14
3	A vulnerability analysis in the Fei-tsui reservoir watershed in Taiwan. <i>Environmental Monitoring and Assessment</i> , 2008 , 143, 9-14	3.1	9
2	A GIS-based system for allocating municipal solid waste incinerator compensatory fund. <i>Waste Management</i> , 2008 , 28, 2690-701	8.6	25
1	Microwave enhanced stabilization of heavy metal sludge. <i>Journal of Hazardous Materials</i> , 2007 , 139, 160-68	12.8	42