

Peng Jiang

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.

47
papers

1,188
citations

14
h-index

34
g-index

52
ext. papers

1,783
ext. citations

6.9
avg, IF

6.28
L-index

#	Paper	IF	Citations
47	Minimising the present and future plastic waste, energy and environmental footprints related to COVID-19. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109883	16.2	382
46	Impacts of COVID-19 on energy demand and consumption: Challenges, lessons and emerging opportunities. <i>Applied Energy</i> , 2021 , 285, 116441	10.7	161
45	The energy and environmental footprints of COVID-19 fighting measures - PPE, disinfection, supply chains. <i>Energy</i> , 2020 , 211, 118701	7.9	120
44	An update of COVID-19 influence on waste management. <i>Science of the Total Environment</i> , 2021 , 754, 142014	10.2	91
43	Spatial-temporal potential exposure risk analytics and urban sustainability impacts related to COVID-19 mitigation: A perspective from car mobility behaviour. <i>Journal of Cleaner Production</i> , 2021 , 279, 123673	10.3	42
42	Plastics: friends or foes? The circularity and plastic waste footprint. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021 , 43, 1549-1565	1.6	40
41	Data-driven analytical framework for waste-dumping behaviour analysis to facilitate policy regulations. <i>Waste Management</i> , 2020 , 103, 285-295	8.6	31
40	Hidden Markov model for municipal waste generation forecasting under uncertainties. <i>European Journal of Operational Research</i> , 2016 , 250, 639-651	5.6	28
39	COVID-19 pandemics Stage II - Energy and environmental impacts of vaccination. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111400	16.2	28
38	Data analytics of social media publicity to enhance household waste management. <i>Resources, Conservation and Recycling</i> , 2021 , 164, 105146	11.9	21
37	Extended water-energy nexus contribution to environmentally-related sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111485	16.2	21
36	Integrated regional waste management to minimise the environmental footprints in circular economy transition. <i>Resources, Conservation and Recycling</i> , 2021 , 168, 105292	11.9	19
35	A framework based on hidden Markov model with adaptive weighting for microcystin forecasting and early-warning. <i>Decision Support Systems</i> , 2016 , 84, 89-103	5.6	18
34	More Is Not Enough: A Deeper Understanding of the COVID-19 Impacts on Healthcare, Energy and Environment Is Crucial. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	14
33	Energy, environmental, economic and social equity (4E) pressures of COVID-19 vaccination mismanagement: A global perspective. <i>Energy</i> , 2021 , 235, 121315	7.9	11
32	Intermittent demand forecasting for spare parts in the heavy-duty vehicle industry: a support vector machine model. <i>International Journal of Production Research</i> , 2020 , 1-18	7.8	10
31	Interval Grey Prediction Models with Forecast Combination for Energy Demand Forecasting. <i>Mathematics</i> , 2020 , 8, 960	2.3	9

30	Time series prediction for evolutions of complex systems: A deep learning approach 2016 ,		9
29	Evaluating Critical Factors Influencing the Reliability of Emergency Logistics Systems Using Multiple-Attribute Decision Making. <i>Symmetry</i> , 2020 , 12, 1115	2.7	9
28	Designing a smart incentive-based recycling system for household recyclable waste. <i>Waste Management</i> , 2021 , 123, 142-153	8.6	8
27	Forecasting plastic waste generation and interventions for environmental hazard mitigation. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127330	12.8	8
26	A Predictive Analysis of China's CO2 Emissions and OFDI with a Nonlinear Fractional-Order Grey Multivariable Model. <i>Sustainability</i> , 2020 , 12, 4325	3.6	7
25	Using a Hybrid Multiple-Criteria Decision-Making Technique to Identify Key Factors Influencing Microblog Users' Diffusion Behaviors in Emergencies: Evidence from Generations Born after 2000. <i>Symmetry</i> , 2019 , 11, 265	2.7	6
24	Forecasting China's CO2 emissions by considering interaction of bilateral FDI using the improved grey multivariable Verhulst model. <i>Environment, Development and Sustainability</i> , 2021 , 23, 225-240	4.5	6
23	Virtual water and CO2 emission footprints embodied in power trade: EU-27. <i>Energy Policy</i> , 2021 , 155, 112348	7.2	6
22	An Adaptive Particle Swarm Algorithm for Unconstrained Global Optimization of Multimodal Functions 2017 ,		5
21	A Hybrid Multiple Criteria Decision-Making Technique to Evaluate Regional Intellectual Capital: Evidence from China. <i>Mathematics</i> , 2021 , 9, 1676	2.3	5
20	An Optimized Fractional Grey Prediction Model for Carbon Dioxide Emissions Forecasting. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
19	Cyanobacterial risk prevention under global warming using an extended Bayesian network. <i>Journal of Cleaner Production</i> , 2021 , 312, 127729	10.3	4
18	Data analysis of resident engagement and sentiments in social media enables better household waste segregation and recycling. <i>Journal of Cleaner Production</i> , 2021 , 319, 128809	10.3	4
17	A Multivariate Grey Prediction Model Using Neural Networks with Application to Carbon Dioxide Emissions Forecasting. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-10	1.1	3
16	Fuzzified grey prediction models using neural networks for tourism demand forecasting. <i>Computational and Applied Mathematics</i> , 2020 , 39, 1	2.4	2
15	An Adaptive Data-driven Model for Erratic Demand Forecasting. <i>IFAC-PapersOnLine</i> , 2017 , 50, 9020-9025.	5.7	2
14	Time-varying hyperparameter strategies for radial basis function surrogate-based global optimization algorithm 2017 ,		2
13	A feature reconstruction-based multi-task regression model for cyanobacterial distribution forecasting along the water column. <i>Journal of Cleaner Production</i> , 2021 , 292, 126025	10.3	2

12	Emergency Blood Demand Forecasting after Earthquakes. <i>IFAC-PapersOnLine</i> , 2019 , 52, 773-777	0.7	2
11	Supplier selection problem for multiple projects with uncertain demand and project life cycles. <i>Computers and Operations Research</i> , 2021 , 132, 105312	4.6	2
10	Supplier evaluation and management considering greener production in manufacturing industry. <i>Journal of Cleaner Production</i> , 2022 , 342, 130964	10.3	2
9	A stochastic programming model for emergency supplies pre-positioning, transshipment and procurement in a regional healthcare coalition.. <i>Socio-Economic Planning Sciences</i> , 2022 , 101279	3.7	2
8	Incorporating Grey Relational Analysis into Grey Prediction Models to Forecast the Demand for Magnesium Materials. <i>Cybernetics and Systems</i> , 2021 , 52, 522-532	1.9	1
7	Assessing the risk of green building materials certification using the back-propagation neural network. <i>Environment, Development and Sustainability</i> , 1	4.5	1
6	Investigating the influencing factors of incentive-based household waste recycling using structural equation modelling.. <i>Waste Management</i> , 2022 , 142, 120-131	8.6	1
5	Household waste management in Singapore and Shanghai: Experiences, challenges and opportunities from the perspective of emerging megacities.. <i>Waste Management</i> , 2022 , 144, 221-232	8.6	1
4	A new modelling framework for assessing the relative burden of antimicrobial resistance in aquatic environments. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127621	12.8	0
3	Minimum environmental footprint charging of electric vehicles: A spatiotemporal scenario analysis. <i>Energy Conversion and Management</i> , 2022 , 258, 115532	10.6	0
2	Capacitated Supply Chain with Demand Uncertainty. <i>IFAC-PapersOnLine</i> , 2019 , 52, 767-772	0.7	
1	Input parameter tuning of 3D biodiesel engine simulation using parallel surrogate optimization algorithm. <i>Computers and Chemical Engineering</i> , 2021 , 145, 107180	4	