

Peng Jiang

List of Publications by Year in descending order

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52
papers

2,374
citations

361296
20
h-index

233338
45
g-index

52
all docs

52
docs citations

52
times ranked

2334
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	634
2	Impacts of COVID-19 on energy demand and consumption: Challenges, lessons and emerging opportunities. <i>Applied Energy</i> , 2021, 285, 116441.	5.1	339
3	The energy and environmental footprints of COVID-19 fighting measures “PPE, disinfection, supply chains. <i>Energy</i> , 2020, 211, 118701.	4.5	194
4	An update of COVID-19 influence on waste management. <i>Science of the Total Environment</i> , 2021, 754, 142014.	3.9	153
5	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.	1.2	90
6	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.	4.6	85
7	Extended water-energy nexus contribution to environmentally-related sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111485.	8.2	75
8	COVID-19 pandemics Stage II “ Energy and environmental impacts of vaccination. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111400.	8.2	65
9	<scp>COVID</scp> “19 pandemic facilitating energy transition opportunities. <i>International Journal of Energy Research</i> , 2021, 45, 3457-3463.	2.2	62
10	Forecasting plastic waste generation and interventions for environmental hazard mitigation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127330.	6.5	55
11	Data-driven analytical framework for waste-dumping behaviour analysis to facilitate policy regulations. <i>Waste Management</i> , 2020, 103, 285-295.	3.7	52
12	Data analytics of social media publicity to enhance household waste management. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105146.	5.3	45
13	Integrated regional waste management to minimise the environmental footprints in circular economy transition. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105292.	5.3	44
14	Hidden Markov model for municipal waste generation forecasting under uncertainties. <i>European Journal of Operational Research</i> , 2016, 250, 639-651.	3.5	39
15	Designing a smart incentive-based recycling system for household recyclable waste. <i>Waste Management</i> , 2021, 123, 142-153.	3.7	29
16	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.	3.5	28
17	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, 684.	1.2	27
18	Intermittent demand forecasting for spare parts in the heavy-duty vehicle industry: a support vector machine model. <i>International Journal of Production Research</i> , 2021, 59, 7423-7440.	4.9	26

#	ARTICLE	IF	CITATIONS
19	Energy, environmental, economic and social equity (4E) pressures of COVID-19 vaccination mismanagement: A global perspective. <i>Energy</i> , 2021, 235, 121315.	4.5	26
20	Evaluating Critical Factors Influencing the Reliability of Emergency Logistics Systems Using Multiple-Attribute Decision Making. <i>Symmetry</i> , 2020, 12, 1115.	1.1	25
21	Forecasting China's CO ₂ emissions by considering interaction of bilateral FDI using the improved grey multivariable Verhulst model. <i>Environment, Development and Sustainability</i> , 2021, 23, 225-240.	2.7	23
22	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.	3.7	20
23	An Optimized Fractional Grey Prediction Model for Carbon Dioxide Emissions Forecasting. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 587.	1.2	18
24	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.	4.6	16
25	Virtual water and CO ₂ emission footprints embodied in power trade: EU-27. <i>Energy Policy</i> , 2021, 155, 112348.	4.2	15
26	Dynamic Carbon-Neutrality Assessment Needed to Tackle the Impacts of Global Crises. <i>Environmental Science & Technology</i> , 2022, 56, 9851-9853.	4.6	15
27	Interval Grey Prediction Models with Forecast Combination for Energy Demand Forecasting. <i>Mathematics</i> , 2020, 8, 960.	1.1	14
28	Supplier evaluation and management considering greener production in manufacturing industry. <i>Journal of Cleaner Production</i> , 2022, 342, 130964.	4.6	14
29	A Predictive Analysis of China's CO ₂ Emissions and OFDI with a Nonlinear Fractional-Order Grey Multivariable Model. <i>Sustainability</i> , 2020, 12, 4325.	1.6	12
30	A stochastic programming model for emergency supplies pre-positioning, transshipment and procurement in a regional healthcare coalition. <i>Socio-Economic Planning Sciences</i> , 2022, 82, 101279.	2.5	12
31	Time series prediction for evolutions of complex systems: A deep learning approach. , 2016, , .		11
32	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.	0.6	11
33	Cyanobacterial risk prevention under global warming using an extended Bayesian network. <i>Journal of Cleaner Production</i> , 2021, 312, 127729.	4.6	11
34	Investigating the influencing factors of incentive-based household waste recycling using structural equation modelling. <i>Waste Management</i> , 2022, 142, 120-131.	3.7	11
35	A Hybrid Multiple Criteria Decision-Making Technique to Evaluate Regional Intellectual Capital: Evidence from China. <i>Mathematics</i> , 2021, 9, 1676.	1.1	8
36	Minimum environmental footprint charging of electric vehicles: A spatiotemporal scenario analysis. <i>Energy Conversion and Management</i> , 2022, 258, 115532.	4.4	8

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37	An Adaptive Particle Swarm Algorithm for Unconstrained Global Optimization of Multimodal Functions. , 2017, , .		7
38	Fuzzified grey prediction models using neural networks for tourism demand forecasting. Computational and Applied Mathematics, 2020, 39, 1.	1.0	7
39	Supplier selection problem for multiple projects with uncertain demand and project life cycles. Computers and Operations Research, 2021, 132, 105312.	2.4	7
40	Using a Hybrid Multiple-Criteria Decision-Making Technique to Identify Key Factors Influencing Microblog Usersâ€™ Diffusion Behaviors in Emergencies: Evidence from Generations Born after 2000. Symmetry, 2019, 11, 265.	1.1	6
41	A feature reconstruction-based multi-task regression model for cyanobacterial distribution forecasting along the water column. Journal of Cleaner Production, 2021, 292, 126025.	4.6	6
42	Assessing the risk of green building materials certification using the back-propagation neural network. Environment, Development and Sustainability, 2022, 24, 6925-6952.	2.7	6
43	Emergency Blood Demand Forecasting after Earthquakes. IFAC-PapersOnLine, 2019, 52, 773-777.	0.5	5
44	Simulating the Effect of Mixed Subsidy Policies on Urban Low-Value Recyclable Waste in China: A System Dynamics Approach. International Journal of Environmental Research and Public Health, 2021, 18, 10636.	1.2	5
45	Incorporating Grey Relational Analysis into Grey Prediction Models to Forecast the Demand for Magnesium Materials. Cybernetics and Systems, 2021, 52, 522-532.	1.6	4
46	A new modelling framework for assessing the relative burden of antimicrobial resistance in aquatic environments. Journal of Hazardous Materials, 2022, 424, 127621.	6.5	4
47	Time-varying hyperparameter strategies for radial basis function surrogate-based global optimization algorithm. , 2017, , .		3
48	An Adaptive Data-driven Model for Erratic Demand Forecasting. IFAC-PapersOnLine, 2017, 50, 9020-9025.	0.5	2
49	Latent Variable Structured Bayesian Network for Cyanobacterial Risk Pre-control. , 2018, , .		0
50	Capacitated Supply Chain with Demand Uncertainty. IFAC-PapersOnLine, 2019, 52, 767-772.	0.5	0
51	Input parameter tuning of 3D biodiesel engine simulation using parallel surrogate optimization algorithm. Computers and Chemical Engineering, 2021, 145, 107180.	2.0	0
52	Integrated Waste Management System to Reduce Environmental Footprints. , 2022, , .		0