

Peng Jiang

List of Publications by Year in descending order

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52
papers

2,374
citations

361413
20
h-index

233421
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. Renewable and Sustainable Energy Reviews, 2020, 127, 109883.	16.4	634
2	Impacts of COVID-19 on energy demand and consumption: Challenges, lessons and emerging opportunities. Applied Energy, 2021, 285, 116441.	10.1	339
3	The energy and environmental footprints of COVID-19 fighting measures “ PPE, disinfection, supply chains. Energy, 2020, 211, 118701.	8.8	194
4	An update of COVID-19 influence on waste management. Science of the Total Environment, 2021, 754, 142014.	8.0	153
5	Plastics: friends or foes? The circularity and plastic waste footprint. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 1549-1565.	2.3	90
6	Spatial-temporal potential exposure risk analytics and urban sustainability impacts related to COVID-19 mitigation: A perspective from car mobility behaviour. Journal of Cleaner Production, 2021, 279, 123673.	9.3	85
7	Extended water-energy nexus contribution to environmentally-related sustainable development goals. Renewable and Sustainable Energy Reviews, 2021, 150, 111485.	16.4	75
8	COVID-19 pandemics Stage II “ Energy and environmental impacts of vaccination. Renewable and Sustainable Energy Reviews, 2021, 150, 111400.	16.4	65
9	<scp>COVID</scp> “19 pandemic facilitating energy transition opportunities. International Journal of Energy Research, 2021, 45, 3457-3463.	4.5	62
10	Forecasting plastic waste generation and interventions for environmental hazard mitigation. Journal of Hazardous Materials, 2022, 424, 127330.	12.4	55
11	Data-driven analytical framework for waste-dumping behaviour analysis to facilitate policy regulations. Waste Management, 2020, 103, 285-295.	7.4	52
12	Data analytics of social media publicity to enhance household waste management. Resources, Conservation and Recycling, 2021, 164, 105146.	10.8	45
13	Integrated regional waste management to minimise the environmental footprints in circular economy transition. Resources, Conservation and Recycling, 2021, 168, 105292.	10.8	44
14	Hidden Markov model for municipal waste generation forecasting under uncertainties. European Journal of Operational Research, 2016, 250, 639-651.	5.7	39
15	Designing a smart incentive-based recycling system for household recyclable waste. Waste Management, 2021, 123, 142-153.	7.4	29
16	A framework based on hidden Markov model with adaptive weighting for microcystin forecasting and early-warning. Decision Support Systems, 2016, 84, 89-103.	5.9	28
17	More Is Not Enough: A Deeper Understanding of the COVID-19 Impacts on Healthcare, Energy and Environment Is Crucial. International Journal of Environmental Research and Public Health, 2021, 18, 684.	2.6	27
18	Intermittent demand forecasting for spare parts in the heavy-duty vehicle industry: a support vector machine model. International Journal of Production Research, 2021, 59, 7423-7440.	7.5	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.	8.8	26
20	Evaluating Critical Factors Influencing the Reliability of Emergency Logistics Systems Using Multiple-Attribute Decision Making. <i>Symmetry</i> , 2020, 12, 1115.	2.2	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.	5.0	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.	7.4	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.	2.6	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.	9.3	16
25	Virtual water and CO ₂ emission footprints embodied in power trade: EU-27. <i>Energy Policy</i> , 2021, 155, 112348.	8.8	15
26	Dynamic Carbon-Neutrality Assessment Needed to Tackle the Impacts of Global Crises. <i>Environmental Science & Technology</i> , 2022, 56, 9851-9853.	10.0	15
27	Interval Grey Prediction Models with Forecast Combination for Energy Demand Forecasting. <i>Mathematics</i> , 2020, 8, 960.	2.2	14
28	Supplier evaluation and management considering greener production in manufacturing industry. <i>Journal of Cleaner Production</i> , 2022, 342, 130964.	9.3	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.	3.2	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.	5.0	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.	1.1	11
33	Cyanobacterial risk prevention under global warming using an extended Bayesian network. <i>Journal of Cleaner Production</i> , 2021, 312, 127729.	9.3	11
34	Investigating the influencing factors of incentive-based household waste recycling using structural equation modelling. <i>Waste Management</i> , 2022, 142, 120-131.	7.4	11
35	A Hybrid Multiple Criteria Decision-Making Technique to Evaluate Regional Intellectual Capital: Evidence from China. <i>Mathematics</i> , 2021, 9, 1676.	2.2	8
36	Minimum environmental footprint charging of electric vehicles: A spatiotemporal scenario analysis. <i>Energy Conversion and Management</i> , 2022, 258, 115532.	9.2	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.	2.2	7
39	Supplier selection problem for multiple projects with uncertain demand and project life cycles. Computers and Operations Research, 2021, 132, 105312.	4.0	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.	2.2	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.	9.3	6
42	Assessing the risk of green building materials certification using the back-propagation neural network. Environment, Development and Sustainability, 2022, 24, 6925-6952.	5.0	6
43	Emergency Blood Demand Forecasting after Earthquakes. IFAC-PapersOnLine, 2019, 52, 773-777.	0.9	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.	2.6	5
45	Incorporating Grey Relational Analysis into Grey Prediction Models to Forecast the Demand for Magnesium Materials. Cybernetics and Systems, 2021, 52, 522-532.	2.5	4
46	A new modelling framework for assessing the relative burden of antimicrobial resistance in aquatic environments. Journal of Hazardous Materials, 2022, 424, 127621.	12.4	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.	0.9	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.	0.9	0
51	Input parameter tuning of 3D biodiesel engine simulation using parallel surrogate optimization algorithm. Computers and Chemical Engineering, 2021, 145, 107180.	3.8	0
52	Integrated Waste Management System to Reduce Environmental Footprints. , 2022, , .		0