

Xin

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.

49
papers

1,885
citations

24
h-index

43
g-index

49
ext. papers

2,562
ext. citations

4.4
avg, IF

6.1
L-index

#	Paper	IF	Citations
49	Python-LMDI: A Tool for Index Decomposition Analysis of Building Carbon Emissions. <i>Buildings</i> , 2022 , 12, 83	3.2	7
48	Operational Carbon Change in Commercial Buildings under the Carbon Neutral Goal: A LASSOWOA Approach. <i>Buildings</i> , 2022 , 12, 54	3.2	9
47	Forecasting Natural Gas Consumption in the US Power Sector by a Randomly Optimized Fractional Grey System Model. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	0
46	A novel elastic net-based NGBMC(1,n) model with multi-objective optimization for nonlinear time series forecasting. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 96, 105696	3.7	11
45	A novel hyperbolic time-delayed grey model with Grasshopper Optimization Algorithm and its applications. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 865-874	4.4	8
44	A hybrid multi-objective optimizer-based model for daily electricity demand prediction considering COVID-19. <i>Energy</i> , 2021 , 219, 119568	7.9	34
43	Forecasting short-term solar energy generation in Asia Pacific using a nonlinear grey Bernoulli model with time power term. <i>Energy and Environment</i> , 2021 , 32, 759-783	2.4	1
42	Energy price prediction using data-driven models: A decade review. <i>Computer Science Review</i> , 2021 , 39, 100356	8.3	14
41	Impacts of the COVID-19 pandemic on the energy sector. <i>Journal of Zhejiang University: Science A</i> , 2021 , 22, 941-956	2.1	3
40	Modeling Method of the Grey GM(1,1) Model with Interval Grey Action Quantity and Its Application. <i>Complexity</i> , 2020 , 2020, 1-10	1.6	17
39	A new-structure grey Verhulst model: Development and performance comparison. <i>Applied Mathematical Modelling</i> , 2020 , 81, 522-537	4.5	57
38	US natural gas consumption prediction using an improved kernel-based nonlinear extension of the Arps decline model. <i>Energy</i> , 2020 , 194, 116905	7.9	27
37	An innovative hybrid model based on outlier detection and correction algorithm and heuristic intelligent optimization algorithm for daily air quality index forecasting. <i>Journal of Environmental Management</i> , 2020 , 255, 109855	7.9	46
36	A novel multi-variable grey forecasting model and its application in forecasting the grain production in China. <i>Computers and Industrial Engineering</i> , 2020 , 150, 106915	6.4	28
35	Predicting China's energy consumption using a novel grey Riccati model. <i>Applied Soft Computing Journal</i> , 2020 , 95, 106555	7.5	17
34	Forecasting manufacturing industrial natural gas consumption of China using a novel time-delayed fractional grey model with multiple fractional order. <i>Computational and Applied Mathematics</i> , 2020 , 39, 1	2.4	18
33	The conformable fractional grey system model. <i>ISA Transactions</i> , 2020 , 96, 255-271	5.5	101

32	Hybrid support vector machines with heuristic algorithms for prediction of daily diffuse solar radiation in air-polluted regions. <i>Renewable Energy</i> , 2020 , 145, 2034-2045	8.1	72
31	Carbon-dioxide mitigation in the residential building sector: A household scale-based assessment. <i>Energy Conversion and Management</i> , 2019 , 198, 111915	10.6	125
30	The novel fractional discrete multivariate grey system model and its applications. <i>Applied Mathematical Modelling</i> , 2019 , 70, 402-424	4.5	97
29	Evaluation of CatBoost method for prediction of reference evapotranspiration in humid regions. <i>Journal of Hydrology</i> , 2019 , 574, 1029-1041	6	108
28	A novel fractional time delayed grey model with Grey Wolf Optimizer and its applications in forecasting the natural gas and coal consumption in Chongqing China. <i>Energy</i> , 2019 , 178, 487-507	7.9	145
27	Forecasting short-term renewable energy consumption of China using a novel fractional nonlinear grey Bernoulli model. <i>Renewable Energy</i> , 2019 , 140, 70-87	8.1	121
26	Various Shadowing in Linear Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950042	2	11
25	Application of a novel nonlinear multivariate grey Bernoulli model to predict the tourist income of China. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 347, 84-94	2.4	73
24	Daily reference evapotranspiration prediction based on hybridized extreme learning machine model with bio-inspired optimization algorithms: Application in contrasting climates of China. <i>Journal of Hydrology</i> , 2019 , 577, 123960	6	55
23	Light Gradient Boosting Machine: An efficient soft computing model for estimating daily reference evapotranspiration with local and external meteorological data. <i>Agricultural Water Management</i> , 2019 , 225, 105758	5.9	61
22	Evaluation and development of empirical models for estimating daily and monthly mean daily diffuse horizontal solar radiation for different climatic regions of China. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 105, 168-186	16.2	87
21	Forecasting Japan's Solar Energy Consumption Using a Novel Incomplete Gamma Grey Model. <i>Sustainability</i> , 2019 , 11, 5921	3.6	3
20	A Novel Power-Driven Grey Model with Whale Optimization Algorithm and Its Application in Forecasting the Residential Energy Consumption in China. <i>Complexity</i> , 2019 , 2019, 1-22	1.6	9
19	Rigidity and sensitivity on uniform spaces. <i>Topology and Its Applications</i> , 2019 , 252, 145-157	0.4	17
18	Topological Ergodic Shadowing and Chaos on Uniform Spaces. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850043	2	27
17	Predicting the oil production using the novel multivariate nonlinear model based on Arps decline model and kernel method. <i>Neural Computing and Applications</i> , 2018 , 29, 579-591	4.8	43
16	MODELING THE NONLINEAR FLOW FOR A MULTIPLE-FRACTURED HORIZONTAL WELL WITH MULTIPLE FINITE-CONDUCTIVITY FRACTURES IN TRIPLE MEDIA CARBONATE RESERVOIR. <i>Journal of Porous Media</i> , 2018 , 21, 1283-1305	2.9	26
15	Modeling Oil-Water Two-Phase Flow Behavior of a Fractured Vertical Well with a Finite-Conductivity Fracture in Triple Media Carbonate Reservoir. <i>Advances in Applied Mathematics and Mechanics</i> , 2018 , 10, 581-610	2.1	3

14	Modeling the Nonlinear Oil-Water Two-Phase Flow Behavior for a Multiple-Fractured Horizontal Well in Triple Media Carbonate Reservoir. <i>Advances in Applied Mathematics and Mechanics</i> , 2018 , 10, 998-1024	2.1	4
13	The kernel-based nonlinear multivariate grey model. <i>Applied Mathematical Modelling</i> , 2018 , 56, 217-238	4.5	69
12	On the Entropy Points and Shadowing in Uniform Spaces. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850155	2	6
11	Application of the novel fractional grey model FAGMO(1,1,k) to predict China's nuclear energy consumption. <i>Energy</i> , 2018 , 165, 223-234	7.9	67
10	Application of a novel time-delayed polynomial grey model to predict the natural gas consumption in China. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 324, 17-24	2.4	88
9	Design of NaTi ₂ (PO ₄) ₃ nanocrystals embedded in N-doped graphene sheets for sodium-ion battery anode with superior electrochemical performance. <i>Ceramics International</i> , 2017 , 43, 12338-12342	5.1	18
8	A novel kernel regularized nonhomogeneous grey model and its applications. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 48, 51-62	3.7	58
7	The nonlinear oil/water two-phase flow behavior for a horizontal well in triple media carbonate reservoir. <i>Acta Geophysica</i> , 2017 , 65, 977-989	2.2	10
6	3D graphene-encapsulated Li ₃ V ₂ (PO ₄) ₃ microspheres as a high-performance cathode material for energy storage. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 873-879	5.7	23
5	Research on the novel recursive discrete multivariate grey prediction model and its applications. <i>Applied Mathematical Modelling</i> , 2016 , 40, 4876-4890	4.5	43
4	Predicting the Cumulative Oil Field Production Using the Novel Grey ENGM Model. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 89-95	0.3	13
3	Predicting the Oil Well Production Based on Multi Expression Programming. <i>Open Petroleum Engineering Journal</i> , 2016 , 9, 21-32	1	4
2	Research on a Novel Kernel Based Grey Prediction Model and Its Applications. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-9	1.1	
1	An algorithm based on the GM(1,1) model on increasing oil production of measures operation for a single well 2013 ,		1