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List of Publications by Citations

49	1,885	24	43
papers	citations	h-index	g-index
49	2,562	4.4	6.1
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
49	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. *Energy*, **2019**, 178, 487-507	7.9	145
48	Carbon-dioxide mitigation in the residential building sector: A household scale-based assessment. *Energy Conversion and Management*, **2019**, 198, 111915	10.6	125
47	Forecasting short-term renewable energy consumption of China using a novel fractional nonlinear grey Bernoulli model. *Renewable Energy*, **2019**, 140, 70-87	8.1	121
46	Evaluation of CatBoost method for prediction of reference evapotranspiration in humid regions. *Journal of Hydrology*, **2019**, 574, 1029-1041	6	108
45	The conformable fractional grey system model. *ISA Transactions*, **2020**, 96, 255-271	5.5	101
44	The novel fractional discrete multivariate grey system model and its applications. *Applied Mathematical Modelling*, **2019**, 70, 402-424	4.5	97
43	Application of a novel time-delayed polynomial grey model to predict the natural gas consumption in China. *Journal of Computational and Applied Mathematics*, **2017**, 324, 17-24	2.4	88
42	Evaluation and development of empirical models for estimating daily and monthly mean daily diffuse horizontal solar radiation for different climatic regions of China. *Renewable and Sustainable Energy Reviews*, **2019**, 105, 168-186	16.2	87
41	Application of a novel nonlinear multivariate grey Bernoulli model to predict the tourist income of China. *Journal of Computational and Applied Mathematics*, **2019**, 347, 84-94	2.4	73
40	Hybrid support vector machines with heuristic algorithms for prediction of daily diffuse solar radiation in air-polluted regions. *Renewable Energy*, **2020**, 145, 2034-2045	8.1	72
39	The kernel-based nonlinear multivariate grey model. *Applied Mathematical Modelling*, **2018**, 56, 217-238	4.5	69
38	Application of the novel fractional grey model FAGMO(1,1,k) to predict China's nuclear energy consumption. *Energy*, **2018**, 165, 223-234	7.9	67
37	Light Gradient Boosting Machine: An efficient soft computing model for estimating daily reference evapotranspiration with local and external meteorological data. *Agricultural Water Management*, **2019**, 225, 105758	5.9	61
36	A novel kernel regularized nonhomogeneous grey model and its applications. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 48, 51-62	3.7	58
35	A new-structure grey Verhulst model: Development and performance comparison. *Applied Mathematical Modelling*, **2020**, 81, 522-537	4.5	57
34	Daily reference evapotranspiration prediction based on hybridized extreme learning machine model with bio-inspired optimization algorithms: Application in contrasting climates of China. *Journal of Hydrology*, **2019**, 577, 123960	6	55
33	An innovative hybrid model based on outlier detection and correction algorithm and heuristic intelligent optimization algorithm for daily air quality index forecasting. *Journal of Environmental Management*, **2020**, 255, 109855	7.9	46

32	Predicting the oil production using the novel multivariate nonlinear model based on Arps decline model and kernel method. *Neural Computing and Applications*, **2018**, 29, 579-591	4.8	43
31	Research on the novel recursive discrete multivariate grey prediction model and its applications. *Applied Mathematical Modelling*, **2016**, 40, 4876-4890	4.5	43
30	A hybrid multi-objective optimizer-based model for daily electricity demand prediction considering COVID-19. *Energy*, **2021**, 219, 119568	7.9	34
29	A novel multi-variable grey forecasting model and its application in forecasting the grain production in China. *Computers and Industrial Engineering*, **2020**, 150, 106915	6.4	28
28	Topological Ergodic Shadowing and Chaos on Uniform Spaces. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850043	2	27
27	US natural gas consumption prediction using an improved kernel-based nonlinear extension of the Arps decline model. *Energy*, **2020**, 194, 116905	7.9	27
26	MODELING THE NONLINEAR FLOW FOR A MULTIPLE-FRACTURED HORIZONTAL WELL WITH MULTIPLE FINITE-CONDUCTIVITY FRACTURES IN TRIPLE MEDIA CARBONATE RESERVOIR. *Journal of Porous Media*, **2018**, 21, 1283-1305	2.9	26
25	3D graphene-encapsulated Li3V2(PO4)3 microspheres as a high-performance cathode material for energy storage. *Journal of Alloys and Compounds*, **2017**, 723, 873-879	5.7	23
24	Design of NaTi2(PO4)3 nanocrystals embedded in N-doped graphene sheets for sodium-ion battery anode with superior electrochemical performance. *Ceramics International*, **2017**, 43, 12338-12342	5.1	18
23	Forecasting manufacturing industrial natural gas consumption of China using a novel time-delayed fractional grey model with multiple fractional order. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	18
22	Modeling Method of the Grey GM(1,1) Model with Interval Grey Action Quantity and Its Application. *Complexity*, **2020**, 2020, 1-10	1.6	17
21	Predicting China□ energy consumption using a novel grey Riccati model. *Applied Soft Computing Journal*, **2020**, 95, 106555	7.5	17
20	Rigidity and sensitivity on uniform spaces. *Topology and Its Applications*, **2019**, 252, 145-157	0.4	17
19	Energy price prediction using data-driven models: A decade review. *Computer Science Review*, **2021**, 39, 100356	8.3	14
18	Predicting the Cumulative Oil Field Production Using the Novel Grey ENGM Model. *Journal of Computational and Theoretical Nanoscience*, **2016**, 13, 89-95	0.3	13
17	Various Shadowing in Linear Dynamical Systems. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950042	2	11
16	A novel elastic net-based NGBMC(1,n) model with multi-objective optimization for nonlinear time series forecasting. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 96, 105696	3.7	11
15	The nonlinear oil□water two-phase flow behavior for a horizontal well in triple media carbonate reservoir. *Acta Geophysica*, **2017**, 65, 977-989	2.2	10

14	Operational Carbon Change in Commercial Buildings under the Carbon Neutral Goal: A LASSO-WOA Approach. *Buildings*, **2022**, 12, 54	3.2	9
13	A Novel Power-Driven Grey Model with Whale Optimization Algorithm and Its Application in Forecasting the Residential Energy Consumption in China. *Complexity*, **2019**, 2019, 1-22	1.6	9
12	A novel hyperbolic time-delayed grey model with Grasshopper Optimization Algorithm and its applications. *Ain Shams Engineering Journal*, **2021**, 12, 865-874	4.4	8
11	Python-LMDI: A Tool for Index Decomposition Analysis of Building Carbon Emissions. *Buildings*, **2022**, 12, 83	3.2	7
10	On the Entropy Points and Shadowing in Uniform Spaces. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850155	2	6
9	Predicting the Oil Well Production Based on Multi Expression Programming. *Open Petroleum Engineering Journal*, **2016**, 9, 21-32	1	4
8	Modeling the Nonlinear Oil-Water Two-Phase Flow Behavior for a Multiple-Fractured Horizontal Well in Triple Media Carbonate Reservoir. *Advances in Applied Mathematics and Mechanics*, **2018**, 10, 998-1024	2.1	4
7	Modeling Oil-Water Two-Phase Flow Behavior of a Fractured Vertical Well with a Finite-Conductivity Fracture in Triple Media Carbonate Reservoir. *Advances in Applied Mathematics and Mechanics*, **2018**, 10, 581-610	2.1	3
6	Forecasting Japan's Solar Energy Consumption Using a Novel Incomplete Gamma Grey Model. *Sustainability*, **2019**, 11, 5921	3.6	3
5	Impacts of the COVID-19 pandemic on the energy sector. *Journal of Zhejiang University: Science A*, **2021**, 22, 941-956	2.1	3
4	An algorithm based on the GM(1,1) model on increasing oil production of measures operation for a single well **2013**,		1
3	Forecasting short-term solar energy generation in Asia Pacific using a nonlinear grey Bernoulli model with time power term. *Energy and Environment*, **2021**, 32, 759-783	2.4	1
2	Forecasting Natural Gas Consumption in the US Power Sector by a Randomly Optimized Fractional Grey System Model. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	0
1	Research on a Novel Kernel Based Grey Prediction Model and Its Applications. *Mathematical Problems in Engineering*, **2016**, 2016, 1-9	1.1	