

# Bo Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,930  
citations

230014

27  
h-index

206121

51  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of the novel four-parameter discrete optimized grey model to forecast the wastewater discharged in Chongqing China. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 107, 104522.	4.3	16
2	Research on physical health early warning based on GM(1,1). <i>Computers in Biology and Medicine</i> , 2022, 143, 105256.	3.9	5
3	A novel multivariable grey prediction model with different accumulation orders and performance comparison. <i>Applied Mathematical Modelling</i> , 2022, 109, 117-133.	2.2	15
4	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.	2.7	9
5	Prediction of Coalbed Methane Production in China Based on an Optimized Grey System Model. <i>Energy &amp; Fuels</i> , 2021, 35, 4333-4344.	2.5	33
6	Daily Runoff Forecasting Using a Cascade Long Short-Term Memory Model that Considers Different Variables. <i>Water Resources Management</i> , 2021, 35, 1167-1181.	1.9	24
7	Application of a novel time-delayed power-driven grey model to forecast photovoltaic power generation in the Asia-Pacific region. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 100968.	1.7	31
8	An improved multi-variable grey model for forecasting China's finished products from comprehensive waste utilization. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42901-42915.	2.7	6
9	Forecasting Chinese carbon emissions using a novel grey rolling prediction model. <i>Chaos, Solitons and Fractals</i> , 2021, 147, 110968.	2.5	60
10	Forecasting the Number of New Coronavirus Infections Using an Improved Grey Prediction Model. <i>Iranian Journal of Public Health</i> , 2021, 50, 1842-1853.	0.3	1
11	The conformable fractional grey system model. <i>ISA Transactions</i> , 2020, 96, 255-271.	3.1	176
12	A Hybrid Grey Prediction Model for Small Oscillation Sequence Based on Information Decomposition. <i>Complexity</i> , 2020, 2020, 1-13.	0.9	9
13	Modeling Method of the Grey GM(1,1) Model with Interval Grey Action Quantity and Its Application. <i>Complexity</i> , 2020, 2020, 1-10.	0.9	30
14	A new-structure grey Verhulst model: Development and performance comparison. <i>Applied Mathematical Modelling</i> , 2020, 81, 522-537.	2.2	104
15	Parameter Optimization on the Three-Parameter Whitenization Grey Model and Its Application in Simulation and Prediction of Gross Enrollment Rate of Higher Education in China. <i>Complexity</i> , 2020, 2020, 1-10.	0.9	2
16	An improved gray prediction model for China's beef consumption forecasting. <i>PLoS ONE</i> , 2019, 14, e0221333.	1.1	5
17	An ensemble long short-term memory neural network for hourly PM2.5 concentration forecasting. <i>Chemosphere</i> , 2019, 222, 286-294.	4.2	135
18	The novel fractional discrete multivariate grey system model and its applications. <i>Applied Mathematical Modelling</i> , 2019, 70, 402-424.	2.2	153

#	ARTICLE	IF	CITATIONS
19	A new multivariable grey prediction model with structure compatibility. Applied Mathematical Modelling, 2019, 75, 385-397.	2.2	159
20	A Novel Fractional-Order Grey Prediction Model and Its Modeling Error Analysis. Information (Switzerland), 2019, 10, 167.	1.7	12
21	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.	4.5	210
22	Forecasting short-term renewable energy consumption of China using a novel fractional nonlinear grey Bernoulli model. Renewable Energy, 2019, 140, 70-87.	4.3	191
23	Hourly PM2.5 concentration forecast using stacked autoencoder model with emphasis on seasonality. Journal of Cleaner Production, 2019, 224, 739-750.	4.6	88
24	A comparison of dimension reduction techniques for support vector machine modeling of multi-parameter manufacturing quality prediction. Journal of Intelligent Manufacturing, 2019, 30, 2245-2256.	4.4	82
25	Maximum entropy methods for weighted grey incidence analysis and applications. Grey Systems Theory and Application, 2018, 8, 144-155.	1.0	6
26	Improved multi-variable grey forecasting model with a dynamic background-value coefficient and its application. Computers and Industrial Engineering, 2018, 118, 278-290.	3.4	133
27	Forecasting the output of shale gas in China using an unbiased grey model and weakening buffer operator. Energy, 2018, 151, 238-249.	4.5	115
28	Green Supplier Selection for Process Industries Using Weighted Grey Incidence Decision Model. Complexity, 2018, 2018, 1-12.	0.9	19
29	Environmental Regulation, Two-Way Foreign Direct Investment, and Green Innovation Efficiency in China's Manufacturing Industry. International Journal of Environmental Research and Public Health, 2018, 15, 2292.	1.2	75
30	Application of the novel fractional grey model FAGMO(1,1,k) to predict China's nuclear energy consumption. Energy, 2018, 165, 223-234.	4.5	91
31	Elliott wave theory and the Fibonacci sequence-gray model and their application in Chinese stock market. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1813-1825.	0.8	8
32	Forecasting the relation of supply and demand of natural gas in China during 2015-2020 using a novel grey model. Journal of Intelligent and Fuzzy Systems, 2017, 32, 141-155.	0.8	20
33	A multi-pattern deep fusion model for short-term bus passenger flow forecasting. Applied Soft Computing Journal, 2017, 58, 669-680.	4.1	82
34	MGM(1, $m$ ) model based on interval grey number sequence and its applications. Grey Systems Theory and Application, 2017, 7, 310-319.	1.0	10
35	A self-adaptive intelligence gray prediction model with the optimal fractional order accumulating operator and its application. Mathematical Methods in the Applied Sciences, 2017, 40, 7843-7857.	1.2	57
36	Forecasting the total energy consumption in China using a new-structure grey system model. Grey Systems Theory and Application, 2017, 7, 194-217.	1.0	15

#	ARTICLE	IF	CITATIONS
37	Forecasting of sulfur dioxide emissions in China based on optimized DGM(1,1). , 2017, , .		0
38	Forecasting the Energy Consumption of China's Manufacturing Using a Homologous Grey Prediction Model. Sustainability, 2017, 9, 1975.	1.6	18
39	Forecasting the Water Demand in Chongqing, China Using a Grey Prediction Model and Recommendations for the Sustainable Development of Urban Water Consumption. International Journal of Environmental Research and Public Health, 2017, 14, 1386.	1.2	24
40	Study on fractional order grey reducing generation operator. Grey Systems Theory and Application, 2016, 6, 80-95.	1.0	9
41	Deep Feature Learning Architectures for Daily Reservoir Inflow Forecasting. Water Resources Management, 2016, 30, 5145-5161.	1.9	42
42	Forecasting the natural gas demand in China using a self-adapting intelligent grey model. Energy, 2016, 112, 810-825.	4.5	175
43	Development of an optimization method for the GM(1,N) model. Engineering Applications of Artificial Intelligence, 2016, 55, 353-362.	4.3	88
44	A novel multi-variable grey forecasting model and its application in forecasting the amount of motor vehicles in Beijing. Computers and Industrial Engineering, 2016, 101, 479-489.	3.4	60
45	A self-adaptive intelligence grey predictive model with alterable structure and its application. Engineering Applications of Artificial Intelligence, 2016, 50, 236-244.	4.3	69
46	Equivalency and unbiasedness of grey prediction models. Journal of Systems Engineering and Electronics, 2015, 26, 110-118.	1.1	7
47	Study on expansion and properties of grey accumulating generation operator. , 2015, , .		2
48	Prediction Model of Interval Grey Numbers with a Real Parameter and Its Application. Abstract and Applied Analysis, 2014, 2014, 1-12.	0.3	8
49	A novel interval grey prediction model considering uncertain information. Journal of the Franklin Institute, 2013, 350, 3400-3416.	1.9	39
50	A novel grey forecasting model and its optimization. Applied Mathematical Modelling, 2013, 37, 4399-4406.	2.2	164
51	Prediction Modeling Method of Interval Grey Number Based on Different Type Whitenization Weight Functions. Applied Mechanics and Materials, 2013, 411-414, 2074-2080.	0.2	3
52	Verhulst Model of Interval Grey Number Based on Information Decomposing and Model Combination. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.4	5
53	The major factors on contributors choosing periodical and the grey incidence decision-making for selecting periodical. , 2011, , .		0
54	Prediction model of interval grey number based on DGM (1, 1). Journal of Systems Engineering and Electronics, 2010, 21, 598-603.	1.1	30