Huiming Duan

List of Publications by Citations

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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.

36 papers	**517** citations
11 h-index	**22** g-index
37 ext. papers	**719** ext. citations
4.2 avg, IF	**5.32** L-index

#	Paper	IF	Citations
36	A new multivariable grey prediction model with structure compatibility. *Applied Mathematical Modelling*, **2019**, 75, 385-397	4.5	108
35	Forecasting the output of shale gas in China using an unbiased grey model and weakening buffer operator. *Energy*, **2018**, 151, 238-249	7.9	83
34	A novel car-following inertia gray model and its application in forecasting short-term traffic flow. *Applied Mathematical Modelling*, **2020**, 87, 546-570	4.5	51
33	Forecasting Crude Oil Consumption in China Using a Grey Prediction Model with an Optimal Fractional-Order Accumulating Operator. *Complexity*, **2018**, 2018, 1-12	1.6	42
32	A new grey model for traffic flow mechanics. *Engineering Applications of Artificial Intelligence*, **2020**, 88, 103350	7.2	40
31	Tensor alternating least squares grey model and its application to short-term traffic flows. *Applied Soft Computing Journal*, **2020**, 89, 106145	7.5	23
30	A Multimode Dynamic Short-Term Traffic Flow Grey Prediction Model of High-Dimension Tensors. *Complexity*, **2019**, 2019, 1-18	1.6	18
29	A novel forecasting approach based on multi-kernel nonlinear multivariable grey model: A case report. *Journal of Cleaner Production*, **2020**, 260, 120929	10.3	18
28	An inertia grey discrete model and its application in short-term traffic flow prediction and state determination. *Neural Computing and Applications*, **2020**, 32, 8617-8633	4.8	18
27	A multivariate grey prediction model based on energy logistic equation and its application in energy prediction in China. *Energy*, **2021**, 229, 120716	7.9	18
26	A Novel Riccati Equation Grey Model And Its Application In Forecasting Clean Energy. *Energy*, **2020**, 205, 118085	7.9	16
25	A novel multivariable grey prediction model and its application in forecasting coal consumption. *ISA Transactions*, **2021**, 120, 110-110	5.5	11
24	Prediction of a multi-mode coupling model based on traffic flow tensor data. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 1691-1703	1.6	9
23	Grey optimization Verhulst model and its application in forecasting coal-related CO emissions. *Environmental Science and Pollution Research*, **2020**, 27, 43884-43905	5.1	9
22	A novel grey model based on traditional Richards model and its application in COVID-19. *Chaos, Solitons and Fractals*, **2021**, 142, 110480	9.3	8
21	Forecasting the Short-Term Traffic Flow in the Intelligent Transportation System Based on an Inertia Nonhomogenous Discrete Gray Model. *Complexity*, **2017**, 2017, 1-16	1.6	7
20	Research on a grey prediction model based on energy prices and its applications. *Computers and Industrial Engineering*, **2021**, 162, 107729	6.4	6

19	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	1.6	5
18	A novel Grey Verhulst model and its application in forecasting CO2 emissions. *Environmental Science and Pollution Research*, **2021**, 28, 31370-31379	5.1	4
17	Research on the Stability of NDGM Model with the Fractional Order Accumulation and Its Optimization. *Mathematical Problems in Engineering*, **2017**, 2017, 1-10	1.1	3
16	Application of a Fractional Grey Prediction Model Based on a Filtering Algorithm in Image Processing. *Mathematical Problems in Engineering*, **2020**, 2020, 1-18	1.1	3
15	An Optimization Grey Bernoulli Model and Its Application in Forecasting Oil Consumption. *Mathematical Problems in Engineering*, **2021**, 2021, 1-17	1.1	3
14	A novel dynamic time-delay grey model of energy prices and its application in crude oil price forecasting. *Energy*, **2022**, 123968	7.9	3
13	Application of a novel grey Bernoulli model to predict the global consumption of renewable energy. *Energy Reports*, **2021**, 7, 7200-7211	4.6	2
12	Research on short-term traffic flow prediction based on the tensor decomposition algorithm. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 5731-5741	1.6	2
11	A novel nonlinear multivariable Verhulst grey prediction model: A case study of oil consumption forecasting in China. *Energy Reports*, **2022**, 8, 3424-3436	4.6	2
10	The isomorphic factorization of complete tripartite graphs K(m, n, s) into 9 2k isomorphic factors. *Journal of Discrete Mathematical Sciences and Cryptography*, **2015**, 18, 371-383	1.7	1
9	The sufficiency of the divisibility condition for 6 2k divides complete tripartite graph K(m, n, s). *Journal of Discrete Mathematical Sciences and Cryptography*, **2016**, 19, 447-456	1.7	1
8	On Connected m Multiply 2 dimensions Composite Hyperplane Complete Graph]s Residual Graphs. *Journal of Discrete Mathematical Sciences and Cryptography*, **2013**, 16, 313-328	1.7	1
7	Coal consumption forecasting using an optimized grey model: The case of the world]s top three coal consumers. *Energy*, **2022**, 242, 122786	7.9	1
6	On connected m multiply 2 dimensions hyperplane complete residual graph. *Journal of Interdisciplinary Mathematics*, **2016**, 19, 811-821	1.2	1
5	A novel grey model of impulse delay and its application in forecasting stock price. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 3395-3413	1.6	0
4	A novel grey model based on Susceptible Infected Recovered Model: A case study of COVD-19. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 127622	3.3	0
3	The sufficiency of the divisibility condition for 20 divides K(m, n, s). *Journal of Interdisciplinary Mathematics*, **2018**, 21, 213-229	1.2	
2	On Connected m-HPK(n1,n2,n3,n4)[Kt]-Residual Graphs. *Journal of Discrete Mathematics*, **2013**, 2013, 1-7		

1   Three multiply connected K n -residual graphs. *Journal of Taibah University for Science*, **2020**, 14, 1686-1699

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