Che-Jung Chang

List of Publications by Year
in descending order

27 papers	650 citations	687220 13 h-index	580701 25 g-index
27 all docs	27 docs citations	27 times ranked	389 citing authors

#	Article	IF	Citations
1	Forecasting short-term electricity consumption using the adaptive grey-based approach—An Asian case. Omega, 2012, 40, 767-773.	3.6	177
2	An improved grey-based approach for early manufacturing data forecasting. Computers and Industrial Engineering, 2009, 57, 1161-1167.	3.4	72
3	A novel gray forecasting model based on the box plot for small manufacturing data sets. Applied Mathematics and Computation, 2015, 265, 400-408.	1.4	68
4	An extended grey forecasting model for omnidirectional forecasting considering data gap difference. Applied Mathematical Modelling, 2011, 35, 5051-5058.	2.2	41
5	A tree-based-trend-diffusion prediction procedure for small sample sets in the early stages of manufacturing systems. Expert Systems With Applications, 2012, 39, 1575-1581.	4.4	36
6	A forecasting model for small non-equigap data sets considering data weights and occurrence possibilities. Computers and Industrial Engineering, 2014, 67, 139-145.	3.4	31
7	A grey-based fitting coefficient to build a hybrid forecasting model for small data sets. Applied Mathematical Modelling, 2012, 36, 5101-5108.	2.2	23
8	A latent information function to extend domain attributes to improve the accuracy of small-data-set forecasting. Neurocomputing, 2014, 129, 343-349.	3.5	22
9	Employing box-and-whisker plots for learning more knowledge in TFT-LCD pilot runs. International Journal of Production Research, 2012, 50, 1539-1553.	4.9	20
10	Employing virtual samples to build early high-dimensional manufacturing models. International Journal of Production Research, 2013, 51, 3206-3224.	4.9	18
11	Extended modeling procedure based on the projected sample for forecasting short-term electricity consumption. Advanced Engineering Informatics, 2016, 30, 211-217.	4.0	18
12	Practical information diffusion techniques to accelerate new product pilot runs. International Journal of Production Research, 2015, 53, 5310-5319.	4.9	15
13	Employing box plots to build high-dimensional manufacturing models for new products in TFT-LCD plants. Neurocomputing, 2014, 142, 73-85.	3.5	13
14	A novel procedure for multimodel development using the grey silhouette coefficient for small-data-set forecasting. Journal of the Operational Research Society, 2015, 66, 1887-1894.	2.1	13
15	A mega-trend-diffusion grey forecasting model for short-term manufacturing demand. Journal of the Operational Research Society, 2016, 67, 1439-1445.	2.1	13
16	A grey modeling procedure based on the data smoothing index for short-term manufacturing demand forecast. Computational and Mathematical Organization Theory, 2017, 23, 409-422.	1.5	13
17	Employing dependent virtual samples to obtain more manufacturing information in pilot runs. International Journal of Production Research, 2012, 50, 6886-6903.	4.9	12
18	Utilizing an Adaptive Grey Model for Short-Term Time Series Forecasting: A Case Study of Wafer-Level Packaging. Mathematical Problems in Engineering, 2013, 2013, 1-6.	0.6	12

#	Article	IF	Citations
19	An envelopment learning procedure for improving prediction accuracies of grey models. Computers and Industrial Engineering, 2020, 139, 106185.	3.4	10
20	Employing a Fuzzy-Based Grey Modeling Procedure to Forecast China's Sulfur Dioxide Emissions. International Journal of Environmental Research and Public Health, 2019, 16, 2504.	1.2	7
21	Predicting logistics delivery demand with deep neural networks. , 2018, , .		5
22	A grey silhouette coefficient for the small sample forecasting. , 2013, , .		3
23	A Fuzzy-Decomposition Grey Modeling Procedure for Management Decision Analysis. Mathematical Problems in Engineering, 2021, 2021, 1-6.	0.6	2
24	A new grey prediction model considering the data gap compensation. Grey Systems Theory and Application, 2021, 11, 650-663.	1.0	2
25	An Aggregating Prediction Model for Management Decision Analysis. Complexity, 2022, 2022, 1-7.	0.9	2
26	Determining manufacturing parameters to suppress system variance using linear and non-linear models. Expert Systems With Applications, 2012, 39, 4020-4025.	4.4	1
27	Latent-Function-Based Residual Discrete Grey Model for Short-Term Demand Forecasting. Cybernetics and Systems, 2018, 49, 170-180.	1.6	1