

Jung-Fa Tsai

List of Publications by Year in descending order

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49
papers

844
citations

516215

16
h-index

525886

27
g-index

49
all docs

49
docs citations

49
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Global optimization of nonlinear fractional programming problems in engineering design. <i>Engineering Optimization</i> , 2005, 37, 399-409.	1.5	116
2	A Review of Deterministic Optimization Methods in Engineering and Management. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-15.	0.6	78
3	A Review of Piecewise Linearization Methods. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	69
4	Approximately global optimization for assortment problems using piecewise linearization techniques. <i>European Journal of Operational Research</i> , 2002, 140, 584-589.	3.5	43
5	Global optimization for signomial discrete programming problems in engineering design. <i>Engineering Optimization</i> , 2002, 34, 613-622.	1.5	39
6	On generalized geometric programming problems with non-positive variables. <i>European Journal of Operational Research</i> , 2007, 178, 10-19.	3.5	38
7	Range reduction techniques for improving computational efficiency in global optimization of signomial geometric programming problems. <i>European Journal of Operational Research</i> , 2012, 216, 17-25.	3.5	33
8	A Hybrid Spherical Fuzzy MCDM Approach to Prioritize Governmental Intervention Strategies against the COVID-19 Pandemic: A Case Study from Vietnam. <i>Mathematics</i> , 2021, 9, 2626.	1.1	31
9	Global optimization of signomial mixed-integer nonlinear programming problems with free variables. <i>Journal of Global Optimization</i> , 2008, 42, 39-49.	1.1	30
10	A global optimization approach for solving three-dimensional open dimension rectangular packing problems. <i>Optimization</i> , 2015, 64, 2601-2618.	1.0	25
11	A Hybrid Model with Spherical Fuzzy-AHP, PLS-SEM and ANN to Predict Vaccination Intention against COVID-19. <i>Mathematics</i> , 2021, 9, 3075.	1.1	22
12	Treating Free Variables in Generalized Geometric Global Optimization Programs. <i>Journal of Global Optimization</i> , 2005, 33, 1-13.	1.1	20
13	A global optimization method for packing problems. <i>Engineering Optimization</i> , 2006, 38, 687-700.	1.5	19
14	Treating free variables in generalized geometric programming problems. <i>Computers and Chemical Engineering</i> , 2009, 33, 239-243.	2.0	19
15	An Efficient Global Approach for Posynomial Geometric Programming Problems. <i>INFORMS Journal on Computing</i> , 2011, 23, 483-492.	1.0	19
16	An optimization approach for solving signomial discrete programming problems with free variables. <i>Computers and Chemical Engineering</i> , 2006, 30, 1256-1263.	2.0	18
17	Convex underestimation for posynomial functions of positive variables. <i>Optimization Letters</i> , 2008, 2, 333-340.	0.9	18
18	An Optimized Fractional Grey Prediction Model for Carbon Dioxide Emissions Forecasting. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 587.	1.2	18

#	ARTICLE	IF	CITATIONS
19	How to Achieve Passenger Satisfaction in the Airport? Findings from Regression Analysis and Necessary Condition Analysis Approaches through Online Airport Reviews. Sustainability, 2022, 14, 2151.	1.6	14
20	Selecting Bloggers for Hotels via an Innovative Mixed MCDM Model. Mathematics, 2021, 9, 1555.	1.1	13
21	Impacts of Environmental Certificate and Pollution Abatement Equipment on SMEs' Performance: An Empirical Case in Vietnam. Sustainability, 2021, 13, 9705.	1.6	13
22	An optimization algorithm for cutting stock problems in the TFT-LCD industry. Computers and Industrial Engineering, 2009, 57, 913-919.	3.4	12
23	Budget Allocation in a Competitive Communication Spectrum Economy. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	11
24	Analysis of Key Factors for Supplier Selection in Taiwan's Thin-Film Transistor Liquid-Crystal Displays Industry. Mathematics, 2021, 9, 396.	1.1	11
25	Managerial ability, financial constraints, and the value of cash holding. Applied Economics Letters, 0, , 1-7.	1.0	10
26	A superior linearization method for signomial discrete functions in solving three-dimensional open-dimension rectangular packing problems. Engineering Optimization, 2017, 49, 746-761.	1.5	9
27	Finding multiple optimal solutions of signomial discrete programming problems with free variables. Optimization and Engineering, 2011, 12, 425-443.	1.3	8
28	An efficient deterministic optimization approach for rectangular packing problems. Optimization, 2013, 62, 989-1002.	1.0	8
29	Optimization Theory, Methods, and Applications in Engineering 2013. Mathematical Problems in Engineering, 2014, 2014, 1-5.	0.6	8
30	An Efficient Deterministic Approach to Optimal Design of Reliable Networks. IEEE Transactions on Reliability, 2018, 67, 598-608.	3.5	8
31	A Novel Grey Prediction Model Combining Markov Chain with Functional-Link Net and Its Application to Foreign Tourist Forecasting. Information (Switzerland), 2017, 8, 126.	1.7	7
32	An Optimal Task Assignment Strategy in Cloud-Fog Computing Environment. Applied Sciences (Switzerland), 2021, 11, 1909.	1.3	7
33	Unemployment Rates Forecasting with Grey-Based Models in the Post-COVID-19 Period: A Case Study from Vietnam. Sustainability, 2021, 13, 7879.	1.6	7
34	Optimization Theory, Methods, and Applications in Engineering. Mathematical Problems in Engineering, 2012, 2012, 1-7.	0.6	5
35	Solving Packing Problems by a Distributed Global Optimization Algorithm. Mathematical Problems in Engineering, 2012, 2012, 1-13.	0.6	5
36	Optimal Allocation of Virtual Machines in Cloud Computing. Symmetry, 2018, 10, 756.	1.1	5

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37	Solving Patient Allocation Problem during an Epidemic Dengue Fever Outbreak by Mathematical Modelling. Healthcare (Switzerland), 2022, 10, 163.	1.0	5
38	Global optimization for signomial discrete programming problems in engineering design. Engineering Optimization, 2010, 42, 833-843.	1.5	4
39	Ant Colony Optimization for Social Utility Maximization in a Multiuser Communication System. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	4
40	A deterministic global approach for mixed-discrete structural optimization. Engineering Optimization, 2014, 46, 863-879.	1.5	4
41	Technical note "On optimization approach for multidisk vertical allocation problems. European Journal of Operational Research, 2005, 165, 835-842.	3.5	2
42	An efficient global optimization approach for solving mixed-integer nonlinear programming problems. , 2010, , .		2
43	Global optimization of mixed-integer nonlinear programming for engineering design problems. , 2011, , .		2
44	Global Optimization for Mixed-Discrete Structural Design. Symmetry, 2020, 12, 1529.	1.1	2
45	Optimization Theory, Methods, and Applications in Engineering 2014. Mathematical Problems in Engineering, 2015, 2015, 1-3.	0.6	1
46	Finding all global optima of engineering design problems with discrete signomial terms. Engineering Optimization, 2020, 52, 165-184.	1.5	1
47	Integrating Nonlinear Interval Regression Analysis with a Remnant Grey Prediction Model for Energy Demand Forecasting. Applied Artificial Intelligence, 2021, 35, 1490-1507.	2.0	1
48	Optimal expansion of incorporating competence sets with multilevel skills. , 2010, , .		0
49	Optimization Methods in Information and Management Sciences. Scientific World Journal, The, 2015, 2015, 1-3.	0.8	0