

# 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	Solving Patient Allocation Problem during an Epidemic Dengue Fever Outbreak by Mathematical Modelling. <i>Healthcare (Switzerland)</i> , 2022, 10, 163.	1.0	5
2	How to Achieve Passenger Satisfaction in the Airport? Findings from Regression Analysis and Necessary Condition Analysis Approaches through Online Airport Reviews. <i>Sustainability</i> , 2022, 14, 2151.	1.6	14
3	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
4	Analysis of Key Factors for Supplier Selection in Taiwan's Thin-Film Transistor Liquid-Crystal Displays Industry. <i>Mathematics</i> , 2021, 9, 396.	1.1	11
5	An Optimal Task Assignment Strategy in Cloud-Fog Computing Environment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1909.	1.3	7
6	Selecting Bloggers for Hotels via an Innovative Mixed MCDM Model. <i>Mathematics</i> , 2021, 9, 1555.	1.1	13
7	Unemployment Rates Forecasting with Grey-Based Models in the Post-COVID-19 Period: A Case Study from Vietnam. <i>Sustainability</i> , 2021, 13, 7879.	1.6	7
8	Impacts of Environmental Certificate and Pollution Abatement Equipment on SMEs' Performance: An Empirical Case in Vietnam. <i>Sustainability</i> , 2021, 13, 9705.	1.6	13
9	Integrating Nonlinear Interval Regression Analysis with a Remnant Grey Prediction Model for Energy Demand Forecasting. <i>Applied Artificial Intelligence</i> , 2021, 35, 1490-1507.	2.0	1
10	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
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	Finding all global optima of engineering design problems with discrete signomial terms. <i>Engineering Optimization</i> , 2020, 52, 165-184.	1.5	1
13	Global Optimization for Mixed-Discrete Structural Design. <i>Symmetry</i> , 2020, 12, 1529.	1.1	2
14	An Efficient Deterministic Approach to Optimal Design of Reliable Networks. <i>IEEE Transactions on Reliability</i> , 2018, 67, 598-608.	3.5	8
15	Optimal Allocation of Virtual Machines in Cloud Computing. <i>Symmetry</i> , 2018, 10, 756.	1.1	5
16	A superior linearization method for signomial discrete functions in solving three-dimensional open-dimension rectangular packing problems. <i>Engineering Optimization</i> , 2017, 49, 746-761.	1.5	9
17	A Novel Grey Prediction Model Combining Markov Chain with Functional-Link Net and Its Application to Foreign Tourist Forecasting. <i>Information (Switzerland)</i> , 2017, 8, 126.	1.7	7
18	Optimization Theory, Methods, and Applications in Engineering 2014. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-3.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Optimization Methods in Information and Management Sciences. Scientific World Journal, The, 2015, 2015, 1-3.	0.8	0
20	A global optimization approach for solving three-dimensional open dimension rectangular packing problems. Optimization, 2015, 64, 2601-2618.	1.0	25
21	Optimization Theory, Methods, and Applications in Engineering 2013. Mathematical Problems in Engineering, 2014, 2014, 1-5.	0.6	8
22	A deterministic global approach for mixed-discrete structural optimization. Engineering Optimization, 2014, 46, 863-879.	1.5	4
23	An efficient deterministic optimization approach for rectangular packing problems. Optimization, 2013, 62, 989-1002.	1.0	8
24	Ant Colony Optimization for Social Utility Maximization in a Multiuser Communication System. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	4
25	A Review of Piecewise Linearization Methods. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	69
26	Optimization Theory, Methods, and Applications in Engineering. Mathematical Problems in Engineering, 2012, 2012, 1-7.	0.6	5
27	Solving Packing Problems by a Distributed Global Optimization Algorithm. Mathematical Problems in Engineering, 2012, 2012, 1-13.	0.6	5
28	A Review of Deterministic Optimization Methods in Engineering and Management. Mathematical Problems in Engineering, 2012, 2012, 1-15.	0.6	78
29	Range reduction techniques for improving computational efficiency in global optimization of signomial geometric programming problems. European Journal of Operational Research, 2012, 216, 17-25.	3.5	33
30	Global optimization of mixed-integer nonlinear programming for engineering design problems. , 2011, , .		2
31	Finding multiple optimal solutions of signomial discrete programming problems with free variables. Optimization and Engineering, 2011, 12, 425-443.	1.3	8
32	An Efficient Global Approach for Posynomial Geometric Programming Problems. INFORMS Journal on Computing, 2011, 23, 483-492.	1.0	19
33	An efficient global optimization approach for solving mixed-integer nonlinear programming problems. , 2010, , .		2
34	Global optimization for signomial discrete programming problems in engineering design. Engineering Optimization, 2010, 42, 833-843.	1.5	4
35	Optimal expansion of incorporating competence sets with multilevel skills. , 2010, , .		0
36	An optimization algorithm for cutting stock problems in the TFT-LCD industry. Computers and Industrial Engineering, 2009, 57, 913-919.	3.4	12

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37	Treating free variables in generalized geometric programming problems. Computers and Chemical Engineering, 2009, 33, 239-243.	2.0	19
38	Budget Allocation in a Competitive Communication Spectrum Economy. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	11
39	Global optimization of signomial mixed-integer nonlinear programming problems with free variables. Journal of Global Optimization, 2008, 42, 39-49.	1.1	30
40	Convex underestimation for posynomial functions of positive variables. Optimization Letters, 2008, 2, 333-340.	0.9	18
41	On generalized geometric programming problems with non-positive variables. European Journal of Operational Research, 2007, 178, 10-19.	3.5	38
42	A global optimization method for packing problems. Engineering Optimization, 2006, 38, 687-700.	1.5	19
43	An optimization approach for solving signomial discrete programming problems with free variables. Computers and Chemical Engineering, 2006, 30, 1256-1263.	2.0	18
44	Technical note "On optimization approach for multidisk vertical allocation problems. European Journal of Operational Research, 2005, 165, 835-842.	3.5	2
45	Treating Free Variables in Generalized Geometric Global Optimization Programs. Journal of Global Optimization, 2005, 33, 1-13.	1.1	20
46	Global optimization of nonlinear fractional programming problems in engineering design. Engineering Optimization, 2005, 37, 399-409.	1.5	116
47	Global optimization for signomial discrete programming problems in engineering design. Engineering Optimization, 2002, 34, 613-622.	1.5	39
48	Approximately global optimization for assortment problems using piecewise linearization techniques. European Journal of Operational Research, 2002, 140, 584-589.	3.5	43
49	Managerial ability, financial constraints, and the value of cash holding. Applied Economics Letters, 0, , 1-7.	1.0	10