

Ching-Ter Chang

List of Publications by Year in descending order

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118
papers

3,861
citations

172457

29
h-index

138484

58
g-index

120
all docs

120
docs citations

120
times ranked

2579
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of MCDM methods for ranking renewable energy sources in Taiwan. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 92, 883-896.	16.4	375
2	Harvesting big data to enhance supply chain innovation capabilities: An analytic infrastructure based on deduction graph. <i>International Journal of Production Economics</i> , 2015, 165, 223-233.	8.9	318
3	Examining the studentsâ€™ behavioral intention to use e-learning in Azerbaijan? The General Extended Technology Acceptance Model for E-learning approach. <i>Computers and Education</i> , 2017, 111, 128-143.	8.3	279
4	Multi-choice goal programming. <i>Omega</i> , 2007, 35, 389-396.	5.9	241
5	Revised multi-choice goal programming. <i>Applied Mathematical Modelling</i> , 2008, 32, 2587-2595.	4.2	214
6	Fuzzy multiple goal programming applied to TFT-LCD supplier selection by downstream manufacturers. <i>Expert Systems With Applications</i> , 2009, 36, 6318-6325.	7.6	122
7	Multi-choice goal programming with utility functions. <i>European Journal of Operational Research</i> , 2011, 215, 439-445.	5.7	106
8	Optimal pricing and remanufacturing mode in a closed-loop supply chain of WEEE under government fund policy. <i>Computers and Industrial Engineering</i> , 2021, 151, 106951.	6.3	100
9	Global supplier selection using fuzzy analytic hierarchy process and fuzzy goal programming. <i>Quality and Quantity</i> , 2010, 44, 623-640.	3.7	97
10	Integration of tradable green certificates trading and carbon emissions trading: How will Chinese power industry do?. <i>Journal of Cleaner Production</i> , 2021, 279, 123485.	9.3	87
11	Service quality gaps of business customers in the shipping industry. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2009, 45, 222-237.	7.4	74
12	An improved marine predators algorithm for shape optimization of developable Ball surfaces. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 105, 104417.	8.1	70
13	An efficient linearization approach for mixed-integer problems. <i>European Journal of Operational Research</i> , 2000, 123, 652-659.	5.7	67
14	Binary fuzzy goal programming approach to single model straight and U-shaped assembly line balancing. <i>European Journal of Operational Research</i> , 2009, 195, 335-347.	5.7	64
15	Chinaâ€™s renewable energy strategy and industrial adjustment policy. <i>Renewable Energy</i> , 2021, 170, 1382-1395.	8.9	64
16	Multi-choice goal programming model for the optimal location of renewable energy facilities. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 379-389.	16.4	59
17	Revised multi-choice goal programming for multi-period, multi-stage inventory controlled supply chain model with popup stores in Guerrilla marketing. <i>Applied Mathematical Modelling</i> , 2010, 34, 3586-3598.	4.2	53
18	How will the Chinese Certified Emission Reduction scheme save cost for the national carbon trading system?. <i>Journal of Environmental Management</i> , 2019, 244, 99-109.	7.8	52

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19	Binary fuzzy goal programming. <i>European Journal of Operational Research</i> , 2007, 180, 29-37.	5.7	50
20	An enhanced manta ray foraging optimization algorithm for shape optimization of complex CCG-Ball curves. <i>Knowledge-Based Systems</i> , 2022, 240, 108071.	7.1	50
21	A linearization method for mixed 0-1 polynomial programs. <i>Computers and Operations Research</i> , 2000, 27, 1005-1016.	4.0	48
22	On the polynomial mixed 0-1 fractional programming problems. <i>European Journal of Operational Research</i> , 2001, 131, 224-227.	5.7	47
23	Approximately global optimization for assortment problems using piecewise linearization techniques. <i>European Journal of Operational Research</i> , 2002, 140, 584-589.	5.7	43
24	On the location selection problem using analytic hierarchy process and multi-choice goal programming. <i>International Journal of Systems Science</i> , 2013, 44, 94-108.	5.5	42
25	Taiwan's renewable energy strategy and energy-intensive industrial policy. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 64, 456-465.	16.4	39
26	An approximate approach of global optimization for polynomial programming problems. <i>European Journal of Operational Research</i> , 1998, 107, 625-632.	5.7	33
27	Single-hidden-layer feed-forward quantum neural network based on Grover learning. <i>Neural Networks</i> , 2013, 45, 144-150.	5.9	32
28	Allocation of carbon dioxide emission quotas based on the energy-economy-environment perspective: Evidence from Guangdong Province. <i>Science of the Total Environment</i> , 2019, 669, 657-667.	8.0	31
29	On the posynomial fractional programming problems. <i>European Journal of Operational Research</i> , 2002, 143, 42-52.	5.7	30
30	Integrating academic type of social media activity with perceived academic performance: A role of task-related and non-task-related compulsive Internet use. <i>Computers and Education</i> , 2019, 139, 157-172.	8.3	30
31	How does feed-in tariff and renewable portfolio standard evolve synergistically? An integrated approach of tripartite evolutionary game and system dynamics. <i>Renewable Energy</i> , 2022, 186, 864-877.	8.9	30
32	Multi-coefficients goal programming. <i>Computers and Industrial Engineering</i> , 2012, 62, 616-623.	6.3	29
33	Behavioral intention towards mobile learning in Taiwan, China, Indonesia, and Vietnam. <i>Technology in Society</i> , 2020, 63, 101387.	9.4	29
34	A goal programming approach for fuzzy multiobjective fractional programming problems. <i>International Journal of Systems Science</i> , 2009, 40, 867-874.	5.5	28
35	House selection via the internet by considering homebuyers' risk attitudes with S-shaped utility functions. <i>European Journal of Operational Research</i> , 2015, 241, 188-201.	5.7	28
36	Revised multi-segment goal programming: Percentage goal programming. <i>Computers and Industrial Engineering</i> , 2012, 63, 1235-1242.	6.3	26

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37	Optimal recovery model in a used batteries closed-loop supply chain considering uncertain residual capacity. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 156, 102516.	7.4	26
38	Whether feed-in tariff can be effectively replaced or not? An integrated analysis of renewable portfolio standards and green certificate trading. <i>Energy</i> , 2022, 245, 123241.	8.8	26
39	On the inventory model with continuous and discrete lead time, backorders and lost sales. <i>Applied Mathematical Modelling</i> , 2009, 33, 2196-2206.	4.2	24
40	Integrated multi-choice goal programming and multi-segment goal programming for supplier selection considering imperfect-quality and price-quantity discounts in a multiple sourcing environment. <i>International Journal of Systems Science</i> , 2014, 45, 1101-1111.	5.5	24
41	On the single item multi-supplier system with variable lead-time, price-quantity discount, and resource constraints. <i>Applied Mathematics and Computation</i> , 2006, 182, 89-97.	2.2	22
42	A seasonal demand inventory model with variable lead time and resource constraints. <i>Applied Mathematical Modelling</i> , 2007, 31, 2433-2445.	4.2	22
43	Interval goal programming for S-shaped penalty function. <i>European Journal of Operational Research</i> , 2009, 199, 9-20.	5.7	22
44	An approximately global optimization method for assortment problems. <i>European Journal of Operational Research</i> , 1998, 105, 604-612.	5.7	21
45	On the mixed binary goal programming problems. <i>Applied Mathematics and Computation</i> , 2004, 159, 759-768.	2.2	20
46	EFFICIENT STRUCTURES OF ACHIEVEMENT FUNCTIONS FOR GOAL PROGRAMMING MODELS. <i>Asia-Pacific Journal of Operational Research</i> , 2007, 24, 755-764.	1.3	20
47	A MCGP decision aid for homebuyers to make the best choice. <i>Quality and Quantity</i> , 2011, 45, 969-983.	3.7	20
48	A modified goal programming model for piecewise linear functions. <i>European Journal of Operational Research</i> , 2002, 139, 62-67.	5.7	19
49	A linearization approach for inventory models with variable lead time. <i>International Journal of Production Economics</i> , 2005, 96, 263-272.	8.9	19
50	Mixed binary interval goal programming. <i>Journal of the Operational Research Society</i> , 2006, 57, 469-473.	3.4	19
51	An acquisition policy for a single item multi-supplier system with real-world constraints. <i>Applied Mathematical Modelling</i> , 2006, 30, 1-9.	4.2	19
52	A coordination system for seasonal demand problems in the supply chain. <i>Applied Mathematical Modelling</i> , 2013, 37, 3674-3686.	4.2	19
53	Integrated Genetic Algorithm and Goal Programming for Network Topology Design Problem With Multiple Objectives and Multiple Criteria. <i>IEEE/ACM Transactions on Networking</i> , 2008, 16, 680-690.	3.8	18
54	Multicriteria decision-making based on goal programming and fuzzy analytic hierarchy process: An application to capital budgeting problem. <i>Knowledge-Based Systems</i> , 2012, 26, 288-293.	7.1	18

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55	Fractional programming with absolute-value functions: a fuzzy goal programming approach. <i>Applied Mathematics and Computation</i> , 2005, 167, 508-515.	2.2	16
56	Evaluation Model for Applying an E-Learning System in a Course: An Analytic Hierarchy Processâ€™Multi-Choice Goal Programming Approach. <i>Journal of Educational Computing Research</i> , 2014, 50, 135-157.	5.5	16
57	Using beta regression to explore the relationship between service attributes and likelihood of customer retention for the container shipping industry. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 104, 1-16.	7.4	15
58	Multi-objective approaches to balance mixed-model assembly lines for model mixes having precedence conflicts and duplicable common tasks. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 725-737.	3.0	14
59	A novel framework for a remote patient monitoring (RPM) system with abnormality detection. <i>Health Policy and Technology</i> , 2019, 8, 157-170.	2.5	14
60	Fuzzy Multi-Choice Goal Programming for Supplier Selection. <i>International Journal of Operations Research and Information Systems</i> , 2010, 1, 28-52.	1.0	14
61	Binary Behavior of Fuzzy Programming With Piecewise Linear Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2007, 15, 342-349.	9.8	13
62	An exact policy for enhancing buyerâ€™supplier linkage in supply chain system. <i>International Journal of Production Economics</i> , 2008, 113, 470-479.	8.9	13
63	3-level MCGP: an efficient algorithm for MCGP in solving multi-forest management problems. <i>Scandinavian Journal of Forest Research</i> , 2011, 26, 457-465.	1.4	13
64	Multi-objective competency-based approach to project scheduling and staff assignment: Case study of an internal audit project. <i>Socio-Economic Planning Sciences</i> , 2022, 81, 101182.	5.0	13
65	An integrated FAHP-MCGP approach to project selection and resource allocation in risk-based internal audit planning: A case study. <i>Computers and Industrial Engineering</i> , 2021, 152, 107012.	6.3	12
66	Topology design of remote patient monitoring system concerning qualitative and quantitative issues. <i>Omega</i> , 2021, 98, 102137.	5.9	12
67	A modified goal programming approach for the mean-absolute deviation portfolio optimization model. <i>Applied Mathematics and Computation</i> , 2005, 171, 567-572.	2.2	11
68	A Decision for Predicting Successful Extubation of Patients in Intensive Care Unit. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	11
69	On fuzzy multiple objective linear programming problems. <i>Expert Systems With Applications</i> , 2018, 114, 552-562.	7.6	11
70	How Income Influences Health: Decomposition Based on Absolute Income and Relative Income Effects. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10738.	2.6	11
71	An approximate approach for fractional programming with absolute-value functions. <i>Applied Mathematics and Computation</i> , 2005, 161, 171-179.	2.2	10
72	An Approximation Approach for Representing S-Shaped Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2010, , .	9.8	10

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73	Efficiently mapping an appropriate thinning schedule for optimum carbon sequestration: An application of multi-segment goal programming. <i>Forest Ecology and Management</i> , 2011, 262, 1168-1173.	3.2	10
74	Designing an incentive scheme for producer responsibility organization of waste tires: A MCGP cooperative game approach. <i>Computers and Industrial Engineering</i> , 2022, 167, 108009.	6.3	10
75	A three-echelon supply chain coordination with quantity discounts for multiple items. <i>International Journal of Systems Science</i> , 2010, 41, 561-573.	5.5	9
76	The optimal dual-pricing policy of mall parking service. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 70, 223-243.	4.2	9
77	An automata algorithm for generating trusted graphs in online social networks. <i>Applied Soft Computing Journal</i> , 2022, 118, 108475.	7.2	9
78	Optimization approach for data allocation in multidisk database. <i>European Journal of Operational Research</i> , 2002, 143, 210-217.	5.7	8
79	Binary Behavior of Fuzzy Programming With Piecewise Linear Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2007, 15, 710-717.	9.8	8
80	A practical expected-value-approach model to assess the relevant procurement costs. <i>Journal of the Operational Research Society</i> , 2015, 66, 539-553.	3.4	8
81	Multi-coefficient goal programming in thinning schedules to increase carbon sequestration and improve forest structure. <i>Annals of Forest Science</i> , 2014, 71, 907-915.	2.0	7
82	Using binary fuzzy goal programming and linear programming to resolve airport logistics center expansion plan problems. <i>Applied Soft Computing Journal</i> , 2016, 44, 222-237.	7.2	7
83	Fuzzy linearization strategy for multiple objective linear fractional programming with binary utility functions. <i>Computers and Industrial Engineering</i> , 2017, 112, 437-446.	6.3	7
84	Aware and smart member card: RFID and license plate recognition systems integrated applications at parking guidance in shopping mall. , 2016, , .		6
85	How does gender swapping impact online gamer loyalty? The perspective of interdependence theory. <i>Online Information Review</i> , 2018, 42, 647-662.	3.2	6
86	An Integrated Smartphone and Tariff Plan Selection for Taxi Service Operators: MCDM and RStudio Approach. <i>IEEE Access</i> , 2019, 7, 31457-31472.	4.2	6
87	The roles of aspirations, coefficients and utility functions in multiple objective decision making. <i>Computers and Industrial Engineering</i> , 2019, 135, 227-235.	6.3	5
88	Distribution Dynamics, Regional Differences, and Convergence of Elderly Health Levels in China. <i>Sustainability</i> , 2020, 12, 2288.	3.2	5
89	Multiple Criteria Decision Making Theory, Methods, and Applications in Engineering. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-1.	1.1	4
90	A technique of the salient success and survival aspiration levels for multiple objective/criteria decision-making problems. <i>Journal of the Operational Research Society</i> , 2018, 69, 1957-1965.	3.4	4

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91	Formulating the mixed integer fractional posynomial programming. <i>European Journal of Operational Research</i> , 2006, 173, 370-386.	5.7	3
92	The Different Ways of Using Utility Function with Multi-choice Goal Programming. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 407-417.	0.4	3
93	On product classification with various membership functions and binary behaviour. <i>Journal of the Operational Research Society</i> , 2014, 65, 141-150.	3.4	3
94	On the personal diet considering qualitative and quantitative issues. <i>Computers and Industrial Engineering</i> , 2022, 164, 107857.	6.3	3
95	On the mixed integer signomial programming problems. <i>Applied Mathematics and Computation</i> , 2005, 170, 1436-1451.	2.2	2
96	An effective zero-inventory-ordering policy for a single-warehouse multiple retailer problem with a modified all-unit discount. <i>Computers and Industrial Engineering</i> , 2017, 109, 204-210.	6.3	2
97	A multi-stage and multi-supplier inventory model allowing different order quantities. <i>Applied Mathematical Modelling</i> , 2017, 52, 613-625.	4.2	2
98	An efficient approach for the S-shaped penalty function. <i>International Transactions in Operational Research</i> , 2021, 28, 493-511.	2.7	2
99	The Dynamic Correlation among Financial Leverage, House Price, and Consumer Expenditure in China. <i>Sustainability</i> , 2021, 13, 2617.	3.2	2
100	Fuzzy Multi-Choice Goal Programming and Artificial Bee Colony Algorithm for Triangular and Trapezoidal Membership Functions. <i>IEEE Access</i> , 2021, 9, 95267-95281.	4.2	2
101	Fuzzy Multi-Choice Goal Programming for Supplier Selection. , 2012, , 39-60.		2
102	Dynamic optimization for coordinated replenishment system considering seasonal demand and price quantity discount. <i>Applied Mathematical Modelling</i> , 2022, 108, 308-325.	4.2	2
103	Health Transition Probability and Long-Term Care Cost Estimation. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-11.	1.1	2
104	Goal-Programming-Driven Genetic Algorithm Model for Wireless Access Point Deployment Optimization. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-14.	1.1	1
105	The parking service quality and management: Digital image processing application for motorcycle counting. , 2015, , .		1
106	Estimating attributes importance for container shipping industry by closing the listening gap with maximum convergent validity. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 79, 145-163.	7.4	1
107	Using fuzzy goal programming by considering personal preferences for job selection via the internet. <i>Engineering Computations</i> , 2016, 33, 1865-1880.	1.4	1
108	Fuzzy score technique for the optimal location of wind turbines installations. <i>Applied Mathematical Modelling</i> , 2017, 44, 576-587.	4.2	1

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109	Combining 3-Level Multichoice Goal Programming with Multicoefficient Goal Programming to Evaluate Forest Ecosystem Service Potential Improved by Thinning. Forest Science, 2017, 63, 310-318.	1.0	1
110	Matching and Coordination among Elderly Services, Aging, and Economy in China. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	1
111	A Hybrid Fuzzy Goal Programming for Smart Phones and Rate Plan Selection. International Journal of Fuzzy Systems, 2021, 23, 1613-1632.	4.0	1
112	Reformulation of the modified goal programming for logarithmic piecewise linear function. Applied Mathematics and Computation, 2006, 174, 13-23.	2.2	0
113	QR codes & GPS functions - New applications in TAIWAN. , 2014, , .		0
114	A hybrid model to resolve aircraft tractor supplier's selection problem from a financial perspective. , 2015, , .		0
115	An integrated MCGP-U and fuzzy-AHP method for enhancing the competitiveness of Taiwan's forklift industry. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3697-3712.	1.4	0
116	Integration of Financial and Non-financial Information for Decision-Making by Using Goal Programming and Fuzzy Analytic Hierarchy Process on a Capital Budgeting Investment Case Study. Smart Innovation, Systems and Technologies, 2010, , 171-179.	0.6	0
117	Market Integration and Regional Innovation in China: Evidence from the Yangtze River Delta Region. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	0
118	A Hybrid AHP-FCE-WMCGP Approach for Internal Auditor Selection: A Generic Framework. International Journal of Fuzzy Systems, 0, , 1.	4.0	0