Liang-Hsuan Chen

List of Publications by Year
in descending order

61 papers	2,316 citations	201674 27 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	1474 citing authors

#	Article	IF	Citations
1	Approach for Establishing Intuitionistic Fuzzy Linear Regression Models Based on Weakest T-Norm Arithmetic. IEEE Transactions on Fuzzy Systems, 2021, 29, 1431-1445.	9.8	3
2	A new approach to formulate fuzzy regression models. Applied Soft Computing Journal, 2020, 86, 105915.	7.2	14
3	Mathematical programming approach to formulate intuitionistic fuzzy regression model based on least absolute deviations. Fuzzy Optimization and Decision Making, 2020, 19, 191-210.	5.5	7
4	Approaches for Measurement System Analysis Considering Randomness and Fuzziness. International Journal of Fuzzy System Applications, 2020, 9, 98-131.	0.7	0
5	Approaches to select suitable subset of explanatory variables for establishing fuzzy regression models. Journal of Intelligent and Fuzzy Systems, 2018, 34, 437-457.	1.4	2
6	Approach based on fuzzy goal programing and quality function deployment for new product planning. European Journal of Operational Research, 2017, 259, 654-663.	5.7	55
7	A two-phase fuzzy approach for solving multi-level decision-making problems. Knowledge-Based Systems, 2015, 76, 189-199.	7.1	18
8	Time-Validating-Based Atanassov's Intuitionistic Fuzzy Decision Making. IEEE Transactions on Fuzzy Systems, 2015, 23, 743-756.	9.8	9
9	A fuzzy approach with required minimum decision tolerances for multi-level multi-objective decision-making problems. Journal of Intelligent and Fuzzy Systems, 2015, 28, 217-224.	1.4	3
10	A QFD-Based Mathematical Model for New Product Development Considering the Target Market Segment. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.9	4
11	Dual Bipolar Measures of Atanassov's Intuitionistic Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2014, 22, 966-982.	9.8	6
12	Dominance-Based Ranking Functions for Interval-Valued Intuitionistic Fuzzy Sets. IEEE Transactions on Cybernetics, 2014, 44, 1269-1282.	9.5	13
13	An approach of new product planning using quality function deployment and fuzzy linear programming model. International Journal of Production Research, 2014, 52, 1728-1743.	7.5	27
14	Normalisation models for prioritising design requirements for quality function deployment processes. International Journal of Production Research, 2014, 52, 299-313.	7.5	33
15	Considering decision decentralizations to solve bi-level multi-objective decision-making problems: A fuzzy approach. Applied Mathematical Modelling, 2013, 37, 6884-6898.	4.2	13
16	Fuzzy Approaches for Constructing House of Quality in QFD and Its Applications: A Group Decision-Making Method. IEEE Transactions on Engineering Management, 2013, 60, 77-87.	3.5	35
17	A two-stage approach for formulating fuzzy regression models. Knowledge-Based Systems, 2013, 52, 302-310.	7.1	16
18	Considering the decision makerâ€™s attitudinal character to solve multi-criteria decision-making problems in an intuitionistic fuzzy environment. Knowledge-Based Systems, 2012, 36, 129-138.	7.1	24

#	Article	IF	Citations
19	Fuzzy Nonlinear Models for New Product Development Using Four-Phase Quality Function Deployment Processes. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 927-945.	2.9	25
20	Fuzzy linear programming models for NPD using a four-phase QFD activity process based on the means-end chain concept. European Journal of Operational Research, 2010, 201, 619-632.	5.7	77
21	A multiple-item budget-constraint newsboy problem with a reservation policy. Omega, 2010, 38, 431-439.	5.9	39
22	Integrated inventory models considering permissible delay in payment and variant pricing strategy. Applied Mathematical Modelling, 2010, 34, 36-46.	4.2	34
23	Coordination between vendor and buyer considering trade credit and items of imperfect quality. International Journal of Production Economics, 2010, 123, 52-61.	8.9	77
24	Integrated inventory models considering the two-level trade credit policy and a price-negotiation scheme. European Journal of Operational Research, 2010, 205, 47-58.	5.7	77
25	A fuzzy goal programming approach for solving the decentralized bi-level optimization problem with imprecise cooperation relations. , 2010, , .		3
26	An integrated fuzzy approach for the selection of outsourcing manufacturing partners in pharmaceutical R&D. International Journal of Production Research, 2010, 48, 7483-7506.	7.5	58
27	Fuzzy linear programming models for new product design using QFD with FMEA. Applied Mathematical Modelling, 2009, 33, 633-647.	4.2	121
28	Portfolio optimization of equity mutual funds with fuzzy return rates and risks. Expert Systems With Applications, 2009, 36, 3720-3727.	7.6	70
29	Fuzzy approaches to quality function deployment for new product design. Fuzzy Sets and Systems, 2009, 160, 2620-2639.	2.7	96
30	A newsboy problem with a simple reservation arrangement. Computers and Industrial Engineering, 2009, 56, 157-160.	6.3	15
31	Fuzzy Regression Models Using the Least-Squares Method Based on the Concept of Distance. IEEE Transactions on Fuzzy Systems, 2009, 17, 1259-1272.	9.8	62
32	Responses and comments to â€œA comment on â€œAn extended assignment problem considering multiple inputs and outputsâ€â€. Applied Mathematical Modelling, 2008, 32, 2463-2466.	4.2	2
33	A symbol-based intelligent control system with self-exploration process. Engineering Applications of Artificial Intelligence, 2008, 21, 201-214.	8.1	2
34	Ranking Taiwanese management journals: A case study. Scientometrics, 2008, 76, 95-115.	3.0	14
35	A fuzzy nonlinear model for quality function deployment considering Kanoâ€™s concept. Mathematical and Computer Modelling, 2008, 48, 581-593.	2.0	68
36	Measuring the national competitiveness of Southeast Asian countries. European Journal of Operational Research, 2008, 187, 613-628.	5.7	68

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37	Feature selection to diagnose a business crisis by using a real GA-based support vector machine: An empirical study. Expert Systems With Applications, 2008, 35, 1145-1155.	7.6	62
38	MULTI-OBJECTIVE OPTIMIZATION IN RELIABILITY SYSTEM USING GENETIC ALGORITHM AND NEURAL NETWORK. Asia-Pacific Journal of Operational Research, 2008, 25, 649-672.	1.3	6
39	An extended assignment problem considering multiple inputs and outputs. Applied Mathematical Modelling, 2007, 31, 2239-2248.	4.2	31
40	Availability allocation and multi-objective optimization for parallelâ€“series systems. European Journal of Operational Research, 2007, 180, 1231-1244.	5.7	36
41	Integrated vendorâ€“buyer cooperative inventory models with variant permissible delay in payments. European Journal of Operational Research, 2007, 183, 658-673.	5.7	108
42	A Mathematical Programming Method for Formulating a Fuzzy Regression Model Based on Distance Criterion. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 705-712.	5.0	35
43	An evaluation approach to engineering design in QFD processes using fuzzy goal programming models. European Journal of Operational Research, 2006, 172, 230-248.	5.7	154
44	An intelligent control system with a multi-objective self-exploration process. Fuzzy Sets and Systems, 2004, 143, 275-294.	2.7	10
45	A fuzzy model for exploiting quality function deployment. Mathematical and Computer Modelling, 2003, 38, 559-570.	2.0	77
46	New approach to intelligent control systems with self-exploring process. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 56-66.	5.0	29
47	Fuzzy goal programming with different importance and priorities. European Journal of Operational Research, 2001, 133, 548-556.	5.7	220
48	An approximate approach for ranking fuzzy numbers based on left and right dominance. Computers and Mathematics With Applications, 2001, 41, 1589-1602.	2.7	137
49	A fuzzy credit-rating approach for commercial loans: a Taiwan case. Omega, 1999, 27, 407-419.	5.9	84
50	Designing robust products with multiple quality characteristics. Computers and Operations Research, 1997, 24, 937-944.	4.0	36
51	An extended rule-based inference for general decision-making problems. Information Sciences, 1997, 102, 111-131.	6.9	15
52	A design procedure for a robust job shop manufacturing system under a constraint using computer simulation experiments. Computers and Industrial Engineering, 1996, 30, 1-12.	6.3	24
53	Improving productivity via technology and management. International Journal of Systems Science, 1996, 27, 315-322.	5.5	13
54	A computer-simulation-oriented design procedure for a robust and feasible job shop manufacturing system. Journal of Manufacturing Systems, 1995, 14, 1-10.	13.9	12

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55	Productivity improvement: Efficiency approach vs effectiveness approach. Omega, 1995, 23, 197-204.	5.9	26
56	New approach to adaptive control architecture based on fuzzy neural network and genetic algorithm. , 0, , .		5
57	New approach to controller-adaptor based intelligent control systems. , 0, , .		1
58	An intelligent control system based on multiobjective genetic algorithms and fuzzy neural network. , 0, , .		4
59	An artificial intelligence based creative control system. , 0, , .		0
60	An optimization technique: storm-association approach. , 0, , .		0
61	A new cellular automaton: five elements balance chart and its application to forest industry ecosystem. , 0, , .		0