Yu-Chung Tsao

List of Publications by Year
in descending order

111 papers	2,731 citations	136740 32 h-index	214527 47 g-index
112 all docs	112 docs citations	112 times ranked	1919 citing authors

#	Article	IF	Citations
1	Dynamic pricing, promotion and replenishment policies for a deteriorating item under permissible delay in payments. Computers and Operations Research, 2008, 35, 3562-3580.	2.4	165
2	Designing sustainable supply chain networks under uncertain environments: Fuzzy multi-objective programming. Journal of Cleaner Production, 2018, 174, 1550-1565.	4.6	120
3	Competition under manufacturer service and retail price. Economic Modelling, 2011, 28, 1256-1264.	1.8	112
4	Effects of promotion cost sharing policy with the sales learning curve on supply chain coordination. Computers and Operations Research, 2012, 39, 1872-1878.	2.4	103
5	Product substitution in different weights and brands considering customer segmentation and panic buying behavior. Industrial Marketing Management, 2019, 77, 209-220.	3.7	92
6	Economic order quantity under advance payment. Applied Mathematical Modelling, 2014, 38, 5910-5921.	2.2	87
7	A supply chain network design considering transportation cost discounts. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 401-414.	3.7	82
8	Channel coordination, trade credit and quantity discounts for freight cost. Transportation Research, Part E: Logistics and Transportation Review, 2007, 43, 112-128.	3.7	72
9	Sustainable inventory system with controllable non-instantaneous deterioration and environmental emission rates. Journal of Cleaner Production, 2020, 244, 118807.	4.6	66
10	A piecewise linearization framework for retail shelf space management models. European Journal of Operational Research, 2012, 222, 122-136.	3.5	64
11	A continuous approximation approach for the integrated facility-inventory allocation problem. European Journal of Operational Research, 2012, 222, 216-228.	3.5	60
12	A multi-objective mixed robust possibilistic flexible programming approach for sustainable seaport-dry port network design under an uncertain environment. Transportation Research, Part E: Logistics and Transportation Review, 2019, 124, 13-39.	3.7	59
13	Sustainable newsvendor models under trade credit. Journal of Cleaner Production, 2017, 141, 1478-1491.	4.6	58
14	Retailer's optimal ordering and discounting policies under advance sales discount and trade credits. Computers and Industrial Engineering, 2009, 56, 208-215.	3.4	57
15	A multi-item supply chain with credit periods and weight freight cost discounts. International Journal of Production Economics, 2012, 135, 106-115.	5.1	57
16	Optimal pricing, lot-sizing and backordering decisions when a seller demands an advance-cash-credit payment scheme. European Journal of Operational Research, 2019, 278, 283-295.	3.5	52
17	Toward blockchain-based renewable energy microgrid design considering default risk and demand uncertainty. Renewable Energy, 2021, 163, 870-881.	4.3	51
18	Sustainable microgrid design considering blockchain technology for real-time price-based demand response programs. International Journal of Electrical Power and Energy Systems, 2021, 125, 106418.	3.3	50

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19	Managing multi-echelon multi-item channels with trade allowances under credit period. International Journal of Production Economics, 2010, 127, 226-237.	5.1	49
20	Seaport- dry port network design considering multimodal transport and carbon emissions. Journal of Cleaner Production, 2018, 199, 481-492.	4.6	49
21	Toward sustainable microgrids with blockchain technology-based peer-to-peer energy trading mechanism: A fuzzy meta-heuristic approach. Renewable and Sustainable Energy Reviews, 2021, 136, 110452.	8.2	48
22	Optimal ordering policy in a two-stage supply chain with advance payment for stable supply capacity. International Journal of Production Economics, 2016, 177, 34-43.	5.1	46
23	Closed-loop supply chain network designs considering RFID adoption. Computers and Industrial Engineering, 2017, 113, 716-726.	3.4	44
24	Optimizing fuzzy reverse supply chain for end-of-life vehicles. Computers and Industrial Engineering, 2017, 113, 757-765.	3.4	40
25	Returnable packaging management in automotive parts logistics: Dedicated mode and shared mode. International Journal of Production Economics, 2015, 168, 234-244.	5.1	39
26	Two-phase pricing and inventory management for deteriorating and fashion goods under trade credit. Mathematical Methods of Operations Research, 2010, 72, 107-127.	0.4	37
27	Joint location, inventory, and preservation decisions for non-instantaneous deterioration items under delay in payments. International Journal of Systems Science, 2016, 47, 572-585.	3.7	37
28	Retailer shelf-space management with trade allowance: A Stackelberg game between retailer and manufacturers. International Journal of Production Economics, 2014, 148, 133-144.	5.1	34
29	Design of a carbon-efficient supply-chain network under trade credits. International Journal of Systems Science: Operations and Logistics, 2015, 2, 177-186.	2.0	34
30	Multiobjective robust fuzzy stochastic approach for sustainable smart grid design. Energy, 2019, 176, 929-939.	4.5	34
31	A multi-objective fuzzy robust optimization approach for designing sustainable and reliable power systems under uncertainty. Applied Soft Computing Journal, 2020, 92, 106317.	4.1	34
32	Joint pricing and replenishment decisions for deteriorating items with lot-size and time-dependent purchasing cost under credit period. International Journal of Systems Science, 2007, 38, 549-561.	3.7	32
33	Designing a supply chain network for deteriorating inventory under preservation effort and trade credits. International Journal of Production Research, 2016, 54, 3837-3851.	4.9	31
34	Adaptive neighborhood simulated annealing for the heterogeneous fleet vehicle routing problem with multiple cross-docks. Computers and Operations Research, 2021, 129, 105205.	2.4	29
35	Managing default risk under trade credit: Who should implement Big-Data analytics in supply chains?. Transportation Research, Part E: Logistics and Transportation Review, 2017, 106, 276-293.	3.7	28
36	Coordinating contracts under default risk control-based trade credit. International Journal of Production Economics, 2019, 212, 168-175.	5.1	26

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37	A risk-sharing-based resilient renewable energy supply network model under the COVID-19 pandemic. Sustainable Production and Consumption, 2021, 25, 484-498.	5.7	26
38	Effects of maintenance policy on an imperfect production system under trade credit. International Journal of Production Research, 2013, 51, 1549-1562.	4.9	21
39	Channel coordination under two-level trade credits and demand uncertainty. Applied Mathematical Modelling, 2017, 52, 160-173.	2.2	21
40	Distribution center network design under trade credits. Applied Mathematics and Computation, 2013, 222, 356-364.	1.4	20
41	Cooperative promotion under demand uncertainty. International Journal of Production Economics, 2015, 167, 45-49.	5.1	20
42	Designing an eco-efficient supply chain network considering carbon trade and trade-credit: A robust fuzzy optimization approach. Computers and Industrial Engineering, 2021, 160, 107595.	3.4	20
43	Ordering quantity decisions considering uncertainty in supply-chain logistics operations. International Journal of Production Economics, 2011, 134, 16-27.	5.1	19
44	A hierarchical decomposition approach to retail shelf space management and assortment decisions. Journal of the Operational Research Society, 2011, 62, 1861-1870.	2.1	19
45	Heuristics for the joint multi-item replenishment problem under trade credits. IMA Journal of Management Mathematics, 2013, 24, 63-77.	1.1	18
46	Pricing and inventory policies for Hi-tech products under replacement warranty. International Journal of Systems Science, 2014, 45, 1255-1267.	3.7	18
47	A supply chain network with product remanufacturing and carbon emission considerations: a two-phase design. Journal of Intelligent Manufacturing, 2018, 29, 693-705.	4.4	18
48	COVID-19: Government subsidy models for sustainable energy supply with disruption risks. Renewable and Sustainable Energy Reviews, 2021, 150, 111425.	8.2	18
49	Pricing, capacity and financing policies for investment of renewable energy generations. Applied Energy, 2021, 303, 117664.	5.1	18
50	Multi-item distribution network design problems under volume discount on transportation cost. International Journal of Production Research, 2016, 54, 426-443.	4.9	17
51	Shelf space allocation problem under carbon tax and emission trading policies. Journal of Cleaner Production, 2018, 196, 438-451.	4.6	16
52	Power supply chain network design problem for smart grid considering differential pricing and buy-back policies. Energy Economics, 2019, 81, 493-502.	5.6	16
53	Supply chain network design for perishable products under trade credit. Journal of Industrial and Production Engineering, 2021, 38, 466-474.	2.1	16
54	Coordinated inventory policies for meeting demands from both store and online BOPS channels. Computers and Industrial Engineering, 2020, 145, 106542.	3.4	16

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55	A piecewise nonlinear optimization for a production-inventory model under maintenance, variable setup costs, and trade credits. Annals of Operations Research, 2015, 233, 465-481.	2.6	15
56	Trade credit and replenishment decisions considering default risk. Computers and Industrial Engineering, 2018, 117, 41-46.	3.4	15
57	A production policy considering reworking of imperfect items and trade credit. Flexible Services and Manufacturing Journal, 2011, 23, 48-63.	1.9	14
58	An imperfect production model under Radio Frequency Identification adoption and trade credit. Applied Mathematical Modelling, 2017, 42, 493-508.	2.2	14
59	Designing a Fresh Food Supply Chain Network: An Application of Nonlinear Programming. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.4	13
60	Optimal lot-sizing integration policy under learning and rework effects in a manufacturer–retailer chain. International Journal of Production Economics, 2014, 155, 239-248.	5.1	13
61	Employing revenue sharing strategies when confronted with uncertain and promotion-sensitive demand. Computers and Industrial Engineering, 2020, 139, 106200.	3.4	13
62	Replenishment policies considering trade credit and logistics risk. Scientia Iranica, 2011, 18, 753-758.	0.3	12
63	A decentralized microgrid considering blockchain adoption and credit risk. Journal of the Operational Research Society, 2022, 73, 2116-2128.	2.1	12
64	Determination of production run time and warranty length under system maintenance and trade credits. International Journal of Systems Science, 2012, 43, 2351-2360.	3.7	11
65	Supply Chain Network Designs Developed for Deteriorating Items Under Conditions of Trade Credit and Partial Backordering. Networks and Spatial Economics, 2016, 16, 933-956.	0.7	11
66	Dynamic decision-making in a two-stage supply chain with repeated transactions. International Journal of Production Economics, 2012, 137, 211-225.	5.1	10
67	Trade promotion policies in manufacturer-retailer supply chains. Transportation Research, Part E: Logistics and Transportation Review, 2016, 96, 20-39.	3.7	10
68	Hybrid heuristics for the cut ordering planning problem in apparel industry. Computers and Industrial Engineering, 2020, 144, 106478.	3.4	10
69	Managing a retail-competition distribution channel with incentive policies. Applied Mathematical Modelling, 2011, 35, 4140-4148.	2.2	9
70	Supply Chain Network Design Considering RFID Adoption. IEEE Transactions on Automation Science and Engineering, 2017, 14, 977-983.	3.4	9
71	Optimal pricing and ordering policies for perishable products under advance-cash-credit payment scheme. Journal of Industrial Engineering International, 2019, 15, 131-146.	1.8	9
72	Imperfect economic production quantity models under predictive maintenance and reworking. International Journal of Systems Science: Operations and Logistics, 2020, 7, 347-360.	2.0	9

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73	Energy-efficient single-machine scheduling problem with controllable job processing times under differential electricity pricing. Resources, Conservation and Recycling, 2020, 161, 104902.	5.3	8
74	A reduced variable neighborhood search-based hyperheuristic for the shelf space allocation problem. Computers and Industrial Engineering, 2020, 143, 106420.	3.4	7
75	Production and payment policies for an imperfect manufacturing system with machine maintenance and credit policies. International Journal of Technology Management, 2009, 48, 240.	0.2	6
76	An innovative demand forecasting approach for the server industry. Technovation, 2022, 110, 102371.	4.2	6
77	Combined production-maintenance decisions in situations with process deterioration. International Journal of Systems Science, 2013, 44, 1692-1700.	3.7	5
78	A piecewise nonlinear model for a production system under maintenance, trade credit and limited warehouse space. International Journal of Production Research, 2014, 52, 3052-3073.	4.9	5
79	Two-tiered pricing and ordering for non-instantaneous deteriorating items under trade credit. Operational Research, 2019, 19, 833-852.	1.3	5
80	Hybrid Heuristics for Marker Planning in the Apparel Industry. Arabian Journal for Science and Engineering, 2021, 46, 10077-10096.	1.7	5
81	Supply chain network design under advance-cash-credit payment. Annals of Operations Research, 2021, 305, 251-272.	2.6	5
82	A new three-part tariff pricing scheme for the electricity microgrid considering consumer regret. Energy, 2022, , 124387.	4.5	5
83	Effects of Joint Replenishment Policy on Company Cost under Permissible Delay in Payments. Mathematical and Computational Applications, 2010, 15, 248-258.	0.7	4
84	Effects of Lot-Sizing Integration and Learning Effect on Managing Imperfect Items in a Manufacturer-Retailer Chain. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.4	4
85	Integrated voltage control and maintenance insurance planning for distribution networks considering uncertainties. Electric Power Systems Research, 2021, 201, 107501.	2.1	4
86	Impacts of the fifth-generation technology on sustainability. International Journal of Logistics Research and Applications, 2024, 27, 129-148.	5.6	4
87	Sustainable advanced distribution management system design considering differential pricing schemes and carbon emissions. Energy, 2021, 219, 119596.	4.5	3
88	Designing a supply chain network under a dynamic discounting-based credit payment program. RAIRO - Operations Research, 2021, 55, 2545-2565.	1.0	3
89	Developing a framework for Industry 3.5 to strengthen manufacturer performance. International Journal of Logistics Research and Applications, 2024, 27, 221-242.	5.6	3
90	Product substitution with customer segmentation under panic buying behavior. Scientia Iranica, 2019, .	0.3	3

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91	Power distribution network design considering the distributed generations and differential and dynamic pricing. Energy, 2022, 241, 122828.	4.5	3
92	Profit Maximization Multi-item Inventory Models Considering Trade Credit and Sales Learning Curve. Mathematical and Computational Applications, 2009, 14, 45-53.	0.7	2
93	An Algorithm for Joint Multi-item Replenishment Problem under Trade Credits. , 2010, , .		2
94	Dynamic decision-making for an inventory system with time-varying demand. Mathematical and Computer Modelling of Dynamical Systems, 2013, 19, 401-416.	1.4	2
95	DYNAMIC PROGRAM MODELING FOR A RETAIL SYSTEM UNDER TRADE CREDIT. Journal of the Operations Research Society of Japan, 2014, 57, 35-44.	0.3	2
96	Two-level promotion and ordering policy in a supply chain. RAIRO - Operations Research, 2021, 55, S119-S145.	1.0	2
97	Ordering policy for non-instantaneously deteriorating products under price adjustment and trade credits. Journal of Industrial and Management Optimization, 2017, 13, 329-347.	0.8	2
98	Advance selling under deposit expansion and consumerâ€™s valuation change. Operational Research, 2022, 22, 3633-3661.	1.3	2
99	Efficiency of resilient three-part tariff pricing schemes in residential power markets. Energy, 2022, 239, 122329.	4.5	2
100	The Model of Order Promise Mechanism for TV Advertising. , 2010, , .		1
101	A Supply Chain Network Design Under Advance-Cash-Credit Payment Scheme. , 2019, , .		1
102	Supply chain coordination under credit risk with informational effort. International Journal of Systems Science: Operations and Logistics, 0, , 1-10.	2.0	1
103	A retail-competition supply chain with promotion effort and sales learning curve. , 2008, , .		0
104	Continuous review inventory system under advance sales discount, partial backordering and trade credits. Journal of Information and Optimization Sciences, 2009, 30, 869-886.	0.2	0
105	Purchasing policy for automotive parts industry. Journal of Statistics and Management Systems, 2010, 13, 435-444.	0.3	0
106	Effects of dominance on operation policies in a two-stage supply chain in which market demands follow the Bass diffusion model. RAIRO - Operations Research, 2018, 52, 1261-1275.	1.0	0
107	Spare Parts Demand Forecasting in Energy Industry. , 2019, , .		0
108	A continuous approximation approach for supply network design considering radio frequency identification adoption. RAIRO - Operations Research, 2019, 53, 1843-1860.	1.0	0

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109	Optimal pricing, ordering, and credit period policies for deteriorating products under order-linked trade credit. Journal of Industrial and Management Optimization, 2021, .	0.8	0
110	Electric Power Supply Chain Networks Design featuring Differential Pricing and Preventive Maintenance. RAIRO - Operations Research, 2021, 55, 1137-1152.	1.0	0
111	Pricing and Ordering under Trade Promotion, Brand Competition and Demand Uncertainty. Scientia Iranica, 2016, 23, 2407-2415.	0.3	0