

Liang-Yuh Ouyang

List of Publications by Year in descending order

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109
papers

5,572
citations

57758

44
h-index

82547

72
g-index

109
all docs

109
docs citations

109
times ranked

1187
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated inventory model involving quality improvement investment and advance-cash-credit payments. <i>RAIRO - Operations Research</i> , 2021, 55, 1401-1422.	1.8	4
2	Optimal ordering policies for deteriorating items with a return period and price-dependent demand under two-phase advance sales. <i>Operational Research</i> , 2020, 20, 585-604.	2.0	8
3	Manufacturer's pricing and lot-sizing decisions for perishable goods under various payment terms by a discounted cash flow analysis. <i>International Journal of Production Economics</i> , 2019, 218, 83-95.	8.9	49
4	Supplier-retailer production and inventory models with defective items and inspection errors in non-cooperative and cooperative environments. <i>RAIRO - Operations Research</i> , 2018, 52, 453-471.	1.8	4
5	Optimal order policy in response to announced price increase for deteriorating items with limited special order quantity. <i>International Journal of Systems Science</i> , 2016, 47, 718-729.	5.5	15
6	Applying Game Theory to Competitive Production-Inventory Models with Vendor's Imperfect Production Processes and the Condition of Buyer's Exemption from Inspection. <i>Advanced Materials Research</i> , 2015, 1125, 601-607.	0.3	0
7	An integrated inventory model with capacity constraint and order-size dependent trade credit. <i>Computers and Industrial Engineering</i> , 2015, 84, 133-143.	6.3	53
8	Optimal pricing and ordering policies for non-instantaneously deteriorating items under order-size-dependent delay in payments. <i>Applied Mathematical Modelling</i> , 2015, 39, 747-763.	4.2	50
9	Optimal Replenishment Decisions under Two-Level Trade Credit with Partial Upstream Trade Credit Linked to Order Quantity and Limited Storage Capacity. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-14.	1.1	3
10	Using a QCAC-Entropy-TOPSIS approach to measure quality characteristics and rank improvement priorities for all substandard quality characteristics. <i>International Journal of Production Research</i> , 2014, 52, 3110-3124.	7.5	41
11	A integrated inventory model with imperfect production and inspection under trade credit financing. , 2014, , .		0
12	An integrated inventory model with quality improvement and two-part credit policy. <i>Top</i> , 2014, 22, 1042-1061.	1.6	9
13	Optimal credit period and lot size for deteriorating items with expiration dates under two-level trade credit financing. <i>European Journal of Operational Research</i> , 2014, 237, 898-908.	5.7	188
14	A note on "optimal replenishment policies for non-instantaneous deteriorating items with price and stock sensitive demand under permissible delay in payment". <i>International Journal of Production Economics</i> , 2014, 155, 324-329.	8.9	60
15	Optimal production lot with imperfect production process under permissible delay in payments and complete backlogging. <i>International Journal of Production Economics</i> , 2013, 144, 610-617.	8.9	106
16	An Integrated Inventory Model with Order-Size-Dependent Trade Credit and Quality Improvement. <i>Procedia Computer Science</i> , 2013, 17, 365-372.	2.0	8
17	A new process capability analysis chart approach on the chip resistor quality management. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2013, 227, 1075-1082.	2.4	16
18	A comprehensive extension of the optimal replenishment decisions under two levels of trade credit policy depending on the order quantity. <i>Applied Mathematics and Computation</i> , 2013, 224, 268-277.	2.2	56

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19	Impacts of collaborative investment and inspection policies on the integrated inventory model with defective items. <i>International Journal of Production Research</i> , 2013, 51, 5789-5802.	7.5	20
20	Retailer's optimal order and credit policies when a supplier offers either a cash discount or a delay payment linked to order quantity. <i>European Journal of Industrial Engineering</i> , 2013, 7, 370.	0.8	24
21	Joint pricing and ordering policies for deteriorating item with retail price-dependent demand in response to announced supply price increase. <i>Journal of Industrial and Management Optimization</i> , 2013, 9, 437-454.	1.3	18
22	Optimal ordering policy in response to a temporary sale price when retailer's warehouse capacity is limited. <i>European Journal of Industrial Engineering</i> , 2012, 6, 26.	0.8	4
23	Retailer's Optimal Order and Payment Policies with Two-Level Trade Credit where Up-Stream Trade Credit Linked to Order Quantity. , 2012, , .		0
24	A joint optimal ordering and delivery policy for an integrated supplier-retailer inventory model with trade credit and defective items. <i>Applied Mathematics and Computation</i> , 2012, 218, 7498-7514.	2.2	46
25	The retailer's optimal ordering policy with trade credit in different financial environments. <i>Applied Mathematics and Computation</i> , 2012, 218, 9623-9634.	2.2	21
26	The EOQ with defective items and partially permissible delay in payments linked to order quantity derived algebraically. <i>Central European Journal of Operations Research</i> , 2012, 20, 141-160.	1.8	24
27	Determining optimal selling price and lot size with process reliability and partial backlogging considerations. <i>International Journal of Systems Science</i> , 2011, 42, 1-10.	5.5	5
28	An optimal replenishment policy for deteriorating items with stock-dependent demand and relaxed terminal conditions under limited storage space. <i>Central European Journal of Operations Research</i> , 2011, 19, 139-153.	1.8	10
29	A particle swarm optimization for solving joint pricing and lot-sizing problem with fluctuating demand and trade credit financing. <i>Computers and Industrial Engineering</i> , 2011, 60, 127-137.	6.3	57
30	An integrated vendor-buyer inventory model with defective items and partial backlogging. <i>International Journal of Logistics Systems and Management</i> , 2011, 8, 377.	0.2	20
31	The optimal ordering policy with trade credit under two different payment methods. <i>Top</i> , 2010, 18, 413-428.	1.6	7
32	Optimal lot size for an item with partial backlogging rate when demand is stimulated by inventory above a certain stock level. <i>Mathematical and Computer Modelling</i> , 2010, 51, 13-32.	2.0	21
33	Optimal ordering policies for deteriorating items using a discounted cash-flow analysis when a trade credit is linked to order quantity. <i>Computers and Industrial Engineering</i> , 2010, 59, 770-777.	6.3	66
34	Retailer's Optimal Pricing and Ordering Policies for Non-Instantaneous Deteriorating Items with Price-Dependent Demand and Partial Backlogging. <i>Mathematical Problems in Engineering</i> , 2009, 2009, 1-18.	1.1	33
35	Coordinating replenishment and pricing policies for non-instantaneous deteriorating items with price-sensitive demand. <i>International Journal of Systems Science</i> , 2009, 40, 1273-1281.	5.5	52
36	An economic order quantity model for deteriorating items with partially permissible delay in payments linked to order quantity. <i>European Journal of Operational Research</i> , 2009, 194, 418-431.	5.7	148

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37	The communion bridge to Six Sigma and process capability indices. <i>Quality and Quantity</i> , 2009, 43, 463-469.	3.7	30
38	An optimization approach for joint pricing and ordering problem in an integrated inventory system with order-size dependent trade credit. <i>Computers and Industrial Engineering</i> , 2009, 57, 920-930.	6.3	55
39	The optimal pricing and ordering policy for an integrated inventory model when trade credit linked to order quantity. <i>Applied Mathematical Modelling</i> , 2009, 33, 2978-2991.	4.2	73
40	Determining optimal lot size for a two-warehouse system with deterioration and shortages using net present value. <i>European Journal of Operational Research</i> , 2008, 191, 182-192.	5.7	101
41	Optimal pricing, shipment and payment policy for an integrated supplier-buyer inventory model with two-part trade credit. <i>European Journal of Operational Research</i> , 2008, 187, 496-510.	5.7	172
42	Optimal strategy for an integrated system with variable production rate when the freight rate and trade credit are both linked to the order quantity. <i>International Journal of Production Economics</i> , 2008, 115, 151-162.	8.9	62
43	RETAILER'S ORDERING POLICY FOR NON-INSTANTANEOUS DETERIORATING ITEMS WITH QUANTITY DISCOUNT, STOCK-DEPENDENT DEMAND AND STOCHASTIC BACKORDER RATE. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2008, 25, 62-72.	0.5	34
44	AN EOQ MODEL WITH LIMITED STORAGE CAPACITY UNDER TRADE CREDITS. <i>Asia-Pacific Journal of Operational Research</i> , 2007, 24, 575-592.	1.3	22
45	RETAILER'S INVENTORY POLICY AND SUPPLIER'S DELIVERY POLICY UNDER TWO-LEVEL TRADE CREDIT STRATEGY. <i>Asia-Pacific Journal of Operational Research</i> , 2007, 24, 613-630.	1.3	44
46	Integrated vendor-buyer inventory system with subplot sampling inspection policy and controllable lead time. <i>International Journal of Systems Science</i> , 2007, 38, 339-350.	5.5	25
47	Determining optimal selling price and lot size with a varying rate of deterioration and exponential partial backlogging. <i>European Journal of Operational Research</i> , 2007, 181, 668-678.	5.7	85
48	A comparison between two pricing and lot-sizing models with partial backlogging and deteriorated items. <i>International Journal of Production Economics</i> , 2007, 105, 190-203.	8.9	56
49	An integrated vendor-buyer inventory model with quality improvement and lead time reduction. <i>International Journal of Production Economics</i> , 2007, 108, 349-358.	8.9	118
50	Effective investment to reduce lost-sales rate in a periodic review inventory model. <i>OR Spectrum</i> , 2007, 29, 681-697.	3.4	11
51	Applied Product Capability Analysis Chart in Measure Step of Six Sigma. <i>Quality and Quantity</i> , 2007, 41, 387-400.	3.7	16
52	Deterministic inventory model for deteriorating items with capacity constraint and time-proportional backlogging rate. <i>European Journal of Operational Research</i> , 2007, 178, 789-807.	5.7	101
53	Inventory and pricing strategies for deteriorating items with shortages: A discounted cash flow approach. <i>Computers and Industrial Engineering</i> , 2007, 52, 29-40.	6.3	58
54	Optimal manufacturer's pricing and lot-sizing policies under trade credit financing. <i>International Transactions in Operational Research</i> , 2006, 13, 515-528.	2.7	36

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55	Fuzzy inventory model for deteriorating items with permissible delay in payment. <i>Applied Mathematics and Computation</i> , 2006, 182, 711-726.	2.2	60
56	Retailer's optimal pricing and lot-sizing policies for deteriorating items with partial backlogging. <i>European Journal of Operational Research</i> , 2006, 168, 51-64.	5.7	95
57	Integrated vendor-buyer cooperative inventory models with controllable lead time and ordering cost reduction. <i>European Journal of Operational Research</i> , 2006, 170, 481-495.	5.7	148
58	An optimal replenishment policy for non-instantaneous deteriorating items with stock-dependent demand and partial backlogging. <i>International Journal of Production Economics</i> , 2006, 101, 369-384.	8.9	345
59	Optimal Ordering Policy for Deteriorating Items with Partial Backlogging under Permissible Delay in Payments. <i>Journal of Global Optimization</i> , 2006, 34, 245-271.	1.8	86
60	Analysis of optimal vendor-buyer integrated inventory policy involving defective items. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 1232-1245.	3.0	50
61	A study on an inventory model for non-instantaneous deteriorating items with permissible delay in payments. <i>Computers and Industrial Engineering</i> , 2006, 51, 637-651.	6.3	203
62	Fuzzy mixture inventory model involving fuzzy random variable lead time demand and fuzzy total demand. <i>European Journal of Operational Research</i> , 2006, 169, 65-80.	5.7	94
63	THE SINGLE-VENDOR SINGLE-BUYER INTEGRATED INVENTORY PROBLEM WITH QUALITY IMPROVEMENT AND LEAD TIME REDUCTION – MINIMAX DISTRIBUTION-FREE APPROACH. <i>Asia-Pacific Journal of Operational Research</i> , 2006, 23, 407-424.	1.3	16
64	Sampling inspection strategy on continuous review inventory model with a service level constraint. <i>Journal of Information and Optimization Sciences</i> , 2005, 26, 111-122.	0.3	2
65	Optimal inventory policy with noninstantaneous receipt under trade credit. <i>International Journal of Production Economics</i> , 2005, 98, 290-300.	8.9	56
66	An EOQ model for perishable items under stock-dependent selling rate and time-dependent partial backlogging. <i>European Journal of Operational Research</i> , 2005, 163, 776-783.	5.7	145
67	Deterministic economic production quantity models with time-varying demand and cost. <i>Applied Mathematical Modelling</i> , 2005, 29, 987-1003.	4.2	30
68	An EOQ model for deteriorating items under trade credits. <i>Journal of the Operational Research Society</i> , 2005, 56, 719-726.	3.4	101
69	Fuzzy mixture inventory model with variable lead-time based on probabilistic fuzzy set and triangular fuzzy number. <i>Mathematical and Computer Modelling</i> , 2004, 39, 287-304.	2.0	52
70	A note on periodic review inventory model with controllable setup cost and lead time. <i>Computers and Operations Research</i> , 2004, 31, 549-561.	4.0	51
71	Integrated vendor-buyer cooperative models with stochastic demand in controllable lead time. <i>International Journal of Production Economics</i> , 2004, 92, 255-266.	8.9	189
72	A minimax distribution free procedure for mixed inventory model with backorder discounts and variable lead time. <i>Journal of Statistics and Management Systems</i> , 2004, 7, 65-76.	0.6	10

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73	Impact of defective items on (Q, r, L) inventory model involving controllable setup cost. Yugoslav Journal of Operations Research, 2004, 14, 247-258.	0.8	2
74	An EOQ model for deteriorating items under supplier credits linked to ordering quantity. Applied Mathematical Modelling, 2003, 27, 983-996.	4.2	258
75	Models for a fuzzy inventory of two replaceable merchandises without backorder based on the signed distance of fuzzy sets. European Journal of Operational Research, 2003, 150, 601-616.	5.7	36
76	An integrated single-vendor single-buyer inventory system with shortage derived algebraically. Production Planning and Control, 2003, 14, 555-561.	8.8	64
77	On an EOQ model for deteriorating items with time-varying demand and partial backlogging. Journal of the Operational Research Society, 2003, 54, 432-436.	3.4	39
78	BAYESIAN ESTIMATIONS OF SOME PROCESS CAPABILITY INDICES UNDER RESTRICTIVE ASSUMPTIONS. Journal of the Chinese Institute of Industrial Engineers, 2003, 20, 49-61.	0.5	4
79	AN INVENTORY MODEL FOR DETERIORATING ITEMS WITH STOCK-DEPENDENT DEMAND UNDER THE CONDITIONS OF INFLATION AND TIME-VALUE OF MONEY. Engineering Economist, 2003, 48, 52-68.	1.1	25
80	Economic order quantity with partial backorders under supplier credit. Journal of Information and Optimization Sciences, 2003, 24, 255-267.	0.3	4
81	Lot size reorder point inventory model with controllable lead time and set-up cost. International Journal of Systems Science, 2002, 33, 635-642.	5.5	38
82	Lead time reduction models with defective items subject to a service level constraint. Journal of Information and Optimization Sciences, 2002, 23, 133-146.	0.3	2
83	A minimax distribution free procedure for mixed inventory models involving variable lead time with fuzzy lost sales. International Journal of Production Economics, 2002, 76, 1-12.	8.9	40
84	A minimax distribution free procedure for mixed inventory model involving variable lead time with fuzzy demand. Computers and Operations Research, 2002, 29, 471-487.	4.0	58
85	Quality improvement, setup cost and lead-time reductions in lot size reorder point models with an imperfect production process. Computers and Operations Research, 2002, 29, 1701-1717.	4.0	114
86	THE VARIABLE LEAD TIME STOCHASTIC INVENTORY MODEL WITH A FUZZY BACKORDER RATE. Journal of the Operations Research Society of Japan, 2001, 44, 19-33.	0.2	20
87	(Q,r,L) Inventory model with defective items. Computers and Industrial Engineering, 2001, 39, 173-185.	6.3	42
88	Mixture inventory model involving variable lead time and controllable backorder rate. Computers and Industrial Engineering, 2001, 40, 339-348.	6.3	58
89	Limited failure-censored life test for the Weibull distribution. IEEE Transactions on Reliability, 2001, 50, 107-111.	4.6	39
90	The effects of investing in lost sales reduction on the stochastic inventory models. Journal of Information and Optimization Sciences, 2001, 22, 357-368.	0.3	8

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91	at]Mixture Inventory Model Involving Setup Cost Reduction with a Service Level Constraint. Opsearch, 2000, 37, 327-339.	1.8	6
92	(Q, R) inventory control involving a variable backorder rate. Journal of Statistics and Management Systems, 2000, 3, 1-13.	0.6	0
93	Quality improvement on lot size reorder point model with partial backorders based on limited information of demand. Journal of Statistics and Management Systems, 2000, 3, 75-89.	0.6	4
94	A periodic review inventory model involving variable lead time with a service level constraint. International Journal of Systems Science, 2000, 31, 1209-1215.	5.5	39
95	Impact of investing in quality improvement on (Q, r, L) model involving the imperfect production process. Production Planning and Control, 2000, 11, 598-607.	8.8	39
96	Defective units in (Q,r,L) inventory model with sub-lot sampling inspection. Production Planning and Control, 2000, 11, 179-186.	8.8	15
97	Optimal Inventory Policies Involving Variable Lead Time with Defective Items. Opsearch, 1999, 36, 374-389.	1.8	7
98	Mixture inventory model involving variable lead time and defective units. Journal of Statistics and Management Systems, 1999, 2, 143-157.	0.6	12
99	æ¶µæ¬æ•é†æŠ æ%£ã€é¡â–ç ©â£“è³†é†â’CEéš æ©ÿæ¬æ’¥çŽ†çš,,(Q,r,L)â~è²”æ”jâž<. Journal of the Chinese Institute of Industrial E		
100	A minimax distribution free procedure for (Q, R, L) inventory model subject to a service level constraint. Journal of Interdisciplinary Mathematics, 1999, 2, 41-55.	0.7	2
101	(Q,R,L) inventory model involving quantity discounts and a stochastic backorder rate. Production Planning and Control, 1999, 10, 426-433.	8.8	14
102	A MINIMAX DISTRIBUTION FREE PROCEDURE FOR STOCHASTIC INVENTORY MODELS WITH A RANDOM BACKORDER RATE. Journal of the Operations Research Society of Japan, 1999, 42, 342-351.	0.2	8
103	A minimax distribution free procedure for mixed inventory model with variable lead time. International Journal of Production Economics, 1998, 56-57, 511-516.	8.9	85
104	An identity for the conditional expectations of functions of adjacent order statistics. Journal of Interdisciplinary Mathematics, 1998, 1, 149-159.	0.7	0
105	Two characteristic properties of the exponential distribution based on order statistics. Journal of Interdisciplinary Mathematics, 1998, 1, 93-100.	0.7	1
106	Mixture inventory model involving variable lead time with a service level constraint. Computers and Operations Research, 1997, 24, 875-882.	4.0	116
107	Mixture Inventory Model with Backorders and Lost Sales for Variable Lead Time. Journal of the Operational Research Society, 1996, 47, 829-832.	3.4	266
108	Mixture Inventory Model with Backorders and Lost Sales for Variable Lead Time. Journal of the Operational Research Society, 1996, 47, 829-832.	3.4	6

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109	Prediction intervals for an ordered observation from a Pareto distribution. IEEE Transactions on Reliability, 1994, 43, 264-269.	4.6	23