Kripasindhu Chaudhuri

List of Publications by Year
in descending order

56 papers	2,027 citations	172386 29 h-index	233338 45 g-index
56 all docs	56 docs citations	56 times ranked	836 citing authors

#	Article	IF	Citations
1	An imperfect production process in a volume flexible inventory model. International Journal of Production Economics, 2007, 105, 548-559.	5.1	121
2	A bioeconomic model of harvesting a multispecies fishery. Ecological Modelling, 1986, 32, 267-279.	1.2	112
3	A mathematical model on EPQ for stochastic demand in an imperfect production system. Journal of Manufacturing Systems, 2013, 32, 260-270.	7.6	97
4	Manufacturing setup cost reduction and quality improvement for the distribution free continuous-review inventory model with a service level constraint. Journal of Manufacturing Systems, 2015, 34, 74-82.	7.6	96
5	Optimal reliability, production lot size and safety stock in an imperfect production system. International Journal of Mathematics in Operational Research, 2010, 2, 467.	0.1	91
6	Dynamic optimization of combined harvesting of a two-species fishery. Ecological Modelling, 1988, 41, 17-25.	1.2	90
7	An economic order quantity model of imperfect quality items with partial backlogging. International Journal of Systems Science, 2011, 42, 1409-1419.	3.7	83
8	An integrated inventory model with variable lead time, defective units and delay in payments. Applied Mathematics and Computation, 2014, 237, 650-658.	1.4	83
9	Maximising profits for an EPQ model with unreliable machine and rework of random defective items. International Journal of Systems Science, 2013, 44, 582-594.	3.7	65
10	An EMQ model in an imperfect production process. International Journal of Systems Science, 2010, 41, 635-646.	3.7	64
11	Three-layer supply chain â€" A production-inventory model for reworkable items. Applied Mathematics and Computation, 2012, 219, 530-543.	1.4	63
12	Twoâ€echelon manufacturerâ€"retailer supply chain strategies with price, quality, and promotional effort sensitive demand. International Transactions in Operational Research, 2015, 22, 1071-1095.	1.8	62
13	Optimal Pricing of competing retailers under uncertain demand-a two layer supply chain model. Annals of Operations Research, 2018, 260, 481-500.	2.6	57
14	A multi-echelon productionâ€"inventory system with supply disruption. Journal of Manufacturing Systems, 2014, 33, 262-276.	7.6	52
15	An economic production quantity model with stochastic demand in an imperfect production system. International Journal of Services and Operations Management, 2011, 9, 259.	0.1	47
16	Multi-item EOQ model while demand is sales price and price break sensitive. Economic Modelling, 2012, 29, 2283-2288.	1.8	44
17	A stock-dependent inventory model in an imperfect production process. International Journal of Procurement Management, 2010, 3, 361.	0.1	42
18	An imperfect production process for time varying demand with inflation and time value of money â€" An EMQ model. Expert Systems With Applications, 2011, , .	4.4	42

#	Article	IF	Citations
19	A multi-echelon supply chain model for reworkable items in multiple-markets with supply disruption. Economic Modelling, 2012, 29, 1891-1898.	1.8	42
20	Joint pricing and ordering policy for two echelon imperfect production inventory model with two cycles. International Journal of Production Economics, 2014, 155, 229-238.	5.1	41
21	A finite replenishment model with increasing demand under inflation. International Journal of Mathematics in Operational Research, 2010, 2, 347.	0.1	40
22	Optimal reliability, production lotsize and safety stock: an economic manufacturing quantity model. International Journal of Management Science and Engineering Management, 2010, 5, 192-202.	2.6	40
23	Three stage trade credit policy in a three-layer supply chain—a production-inventory model. International Journal of Systems Science, 2014, 45, 1844-1868.	3.7	40
24	A genetic algorithm-based rule extraction system. Applied Soft Computing Journal, 2012, 12, 238-254.	4.1	39
25	A distribution-free newsvendor problem with nonlinear holding cost. International Journal of Systems Science, 2015, 46, 1269-1277.	3.7	37
26	On a volume flexible inventory model for items with an imperfect production system. International Journal of Operational Research, 2007, 2, 64.	0.1	36
27	A three layer multi-item production—inventory model for multiple suppliers and retailers. Economic Modelling, 2012, 29, 2704-2710.	1.8	36
28	Two-echelon competitive integrated supply chain model with price and credit period dependent demand. International Journal of Systems Science, 2016, 47, 995-1007.	3.7	35
29	An optimal shipment strategy for imperfect items in a stock-out situation. Mathematical and Computer Modelling, 2011, 54, 2528-2543.	2.0	31
30	Investment for process quality improvement and setup cost reduction in an imperfect production process with warranty policy and shortages. RAIRO - Operations Research, 2020, 54, 251-266.	1.0	29
31	A stochastic inventory model with product recovery. CIRP Journal of Manufacturing Science and Technology, 2013, 6, 120-127.	2.3	25
32	An Inventory Model with Finite Replenishment Rate, Trade Credit Policy and Price-Discount Offer. Journal of Industrial Engineering, 2013, 2013, 1-18.	0.6	25
33	A stochastic production inventory model for deteriorating items with products' finite life-cycle. RAIRO - Operations Research, 2017, 51, 669-684.	1.0	25
34	An integrated producer—buyer relationship in the environment of EMQ and JIT production systems. International Journal of Production Research, 2012, 50, 5597-5614.	4.9	21
35	A finite time horizon EOQ model with ramp-type demand rate under inflation and time-discounting. International Journal of Operational Research, 2011, 11, 100.	0.1	19
36	Coordination contracts for competitive two-echelon supply chain with price and promotional effort sensitive non-linear demand. International Journal of Systems Science: Operations and Logistics, 2015, 2, 113-124.	2.0	17

#	Article	IF	Citations
37	A Multi-Item Inventory Model for Deteriorating Items in Limited Storage Space with Stock-Dependent Demand. American Journal of Mathematical and Management Sciences, 2015, 34, 147-161.	0.6	17
38	Supply chain coordination with random yield and demand uncertainty. International Journal of Management Science and Engineering Management, 2018, 13, 33-44.	2.6	16
39	Accuracy-based learning classification system. International Journal of Information and Decision Sciences, 2010, 2, 68.	0.1	14
40	An EOQ model for imperfect quality products with partial backlogging – a comparative study. International Journal of Services and Operations Management, 2011, 9, 83.	0.1	13
41	Two-warehouse inventory model on pricing decision. International Journal of Management Science and Engineering Management, 2011, 6, 467-480.	2.6	12
42	The effect of stock, price and advertising on demand &ndash; an EOQ model. International Journal of Modelling, Identification and Control, 2009, 6, 81.	0.2	11
43	Unreliable EPQ model with variable demand under two-tier credit financing. Journal of Industrial and Production Engineering, 2020, 37, 370-386.	2.1	9
44	A stochastic EPLS model with random price sensitive demand. International Journal of Management Science and Engineering Management, 2010, 5, 465-472.	2.6	8
45	Joint project of fishery and poultry â€" A bioeconomic model. Applied Mathematical Modelling, 2012, 36, 72-86.	2.2	7
46	Effect of cooperative advertising policy for two layer supply chain. International Journal of Management Science and Engineering Management, 2015, 10, 89-101.	2.6	6
47	A production-inventory model with stochastic lead time and JIT set up cost. International Journal of Operational Research, 2018, 33, 161.	0.1	4
48	A combined project of prawns and poultry: a dynamical system. Reviews in Aquaculture, 2011, 3, 159-171.	4.6	3
49	An optimal replenishment policy for EOQ models with time-varying demand and shortages. International Journal of Services and Operations Management, 2013, 16, 443.	0.1	3
50	Optimal Pricing and Ordering Policy for Two Echelon Varying Production Inventory System. Journal of Industrial Engineering, 2014, 2014, 1-11.	0.6	3
51	Some Comparison of Solutions by Different Numerical Techniques on Mathematical Biology Problem. International Journal of Differential Equations, 2016, 2016, 1-14.	0.3	3
52	Promotional effort and quality sensitive two echelon production inventory model with partial backlogging. International Journal of Mathematics in Operational Research, 2018, 13, 533.	0.1	3
53	Balanced harvesting in two predators one prey system. Journal of Applied Mathematics and Computing, 2022, 68, 839-861.	1.2	3
54	A graph-theoretic multiple logic fault analysis through petri-nets. International Journal of Computer Mathematics, 1988, 25, 83-100.	1.0	1

#	Article	IF	Citations
55	On selective harvesting of an inshore-offshore fishery: a bioeconomic model. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2120027-2120028.	0.2	1
56	On a volume flexible production policy in a family production context. Yugoslav Journal of Operations Research, 2006, 16, 85-96.	0.5	1