Bibhas Chandra Giri

List of Publications by Year
in descending order

144 papers	5,484 citations	109321 35 h-index	91884 69 g-index
145 all docs	145 docs citations	145 times ranked	2495 citing authors

#	Article	IF	Citations
1	Manufacturer–retailer supply chain model with payment time-dependent discount factor under two-level trade credit. International Journal of Systems Science: Operations and Logistics, 2023, 10, .	3.0	1
2	Retailers' competition and cooperation in a closed-loop green supply chain under governmental intervention and cap-and-trade policy. Operational Research, 2022, 22, 859-894.	2.0	32
3	A closed-loop supply chain model with uncertain return and learning-forgetting effect in production under consignment stock policy. Operational Research, 2022, 22, 947-975.	2.0	4
4	Integrating Corporate Social Responsibility in a closed-loop supply chain under government subsidy and used products collection strategies. Flexible Services and Manufacturing Journal, 2022, 34, 65-100.	3.4	20
5	Impact of uncertain demand and lead-time reduction on two-echelon supply chain. Annals of Operations Research, 2022, 315, 2027-2055.	4.1	7
6	Optimal batch shipment policy for an imperfect production system under price-, advertisement- and green-sensitive demand. Journal of Management Analytics, 2022, 9, 86-119.	2.5	5
7	A manufacturing–remanufacturing supply chain model with learning and forgetting in inspection under consignment stock agreement. Operational Research, 2022, 22, 4093-4117.	2.0	3
8	Analyzing a manufacturer-retailer sustainable supply chain under cap-and-trade policy and revenue sharing contract. Operational Research, 2022, 22, 4057-4092.	2.0	13
9	Investigating strategies of a green closed-loop supply chain for substitutable products under government subsidy. Journal of Industrial and Production Engineering, 2022, 39, 253-276.	3.1	37
10	A closed-loop supply chain model with learning effect, random return and imperfect inspection under price- and quality-dependent demand. Opsearch, 2022, 59, 1094-1115.	1.8	5
11	Optimal lot-sizing policy for a failure prone production system with investment in process quality improvement and lead time variance reduction. Journal of Industrial and Management Optimization, 2022, 18, 1891.	1.3	2
12	Optimal sustainability investment and pricing decisions in a two-echelon supply chain with emissions-sensitive demand under cap-and-trade policy. Opsearch, 2022, 59, 786-808.	1.8	2
13	Pythagorean fuzzy DEMATEL method for supplier selection in sustainable supply chain management. Expert Systems With Applications, 2022, 193, 116396.	7.6	82
14	Effectiveness of consignment stock policy under space limitations and deterioration. International Journal of Production Research, 2021, 59, 1834-1851.	7.5	11
15	Coordination mechanisms of a three-layer supply chain under demand and supply risk uncertainties. RAIRO - Operations Research, 2021, 55, S2593-S2617.	1.8	7
16	Extended PROMETHEE method with Pythagorean fuzzy sets for medical diagnosis problems. Soft Computing, 2021, 25, 4503-4512.	3.6	52
17	Coordinating a three-level supply chain with effort and price dependent stochastic demand under random yield. Annals of Operations Research, 2021, 307, 175-206.	4.1	9
18	Developing a closed-loop supply chain model with price and quality dependent demand and learning in production in a stochastic environment. International Journal of Systems Science: Operations and Logistics, 2020, 7, 147-163.	3.0	30

#	ARTICLE	IF	CITATIONS
19	Stochastic supply chain model with imperfect production and controllable defective rate. International Journal of Systems Science: Operations and Logistics, 2020, 7, 133-146.	3.0	22
20	Pricing and greening strategies for a dual-channel closed-loop green supply chain. Flexible Services and Manufacturing Journal, 2020, 32, 724-761.	3.4	31
21	Grey relational analysis method for SVTrNN based multi-attribute decision making with partially known or completely unknown weight information. Granular Computing, 2020, 5, 561-570.	8.0	9
22	A vendor–buyer integrated inventory system with variable lead time and uncertain market demand. Operational Research, 2020, 20, 491-515.	2.0	10
23	A hybrid heuristic algorithm for cyclic inventory-routing problem with perishable products in VMI supply chain. Expert Systems With Applications, 2020, 153, 113322.	7.6	22
24	A three-echelon supply chain model with price and two-level quality dependent demand. RAIRO - Operations Research, 2020, 54, 37-52.	1.8	5
25	Some similarity measures for MADM under a complex neutrosophic set environment. , 2020, , 87-116.		1
26	Pricing and used product collection strategies in a two-period closed-loop supply chain under greening level and effort dependent demand. Journal of Cleaner Production, 2020, 265, 121335.	9.3	71
27	TOPSIS Method for Neutrosophic Hesitant Fuzzy Multi-Attribute Decision Making. Informatica, 2020, , 35-63.	2.7	10
28	A Vendor-Buyer Supply Chain Model for Deteriorating Item with Quadratic Time-Varying Demand and Pro-rata Warranty Policy. Springer Proceedings in Mathematics and Statistics, 2020, , 371-383.	0.2	0
29	An Integrated Imperfect Production–Inventory Model with Optimal Vendor Investment and Backorder Price Discount. Advances in Intelligent Systems and Computing, 2019, , 187-203.	0.6	6
30	An integrated vendor–buyer model with stochastic demand, lot-size dependent lead-time and learning in production. Journal of Industrial Engineering International, 2019, 15, 165-178.	1.8	2
31	NonLinear Programming Approach for Single-Valued Neutrosophic TOPSIS Method. New Mathematics and Natural Computation, 2019, 15, 307-326.	0.7	10
32	Game theoretic analysis of a closed-loop supply chain with backup supplier under dual channel recycling. Computers and Industrial Engineering, 2019, 129, 179-191.	6.3	54
33	A new approach to deal with learning in inspection in an integrated vendor-buyer model with imperfect production process. Computers and Industrial Engineering, 2019, 131, 515-523.	6.3	32
34	Neutrosophic TOPSIS with Group Decision Making. Studies in Fuzziness and Soft Computing, 2019, , 543-585.	0.8	16
35	Optimising an integrated production–inventory system under cash discount and retailer partial trade credit policy. International Journal of Systems Science: Operations and Logistics, 2019, 6, 99-118.	3.0	7
36	A two-warehouse integrated inventory model with imperfect production process under stock-dependent demand and quantity discount offer. International Journal of Systems Science: Operations and Logistics, 2019, 6, 15-26.	3.0	11

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37	Optimal replenishment policy and preservation technology investment for a non-instantaneous deteriorating item with stock-dependent demand. Operational Research, 2019, 19, 347-368.	2.0	39
38	Rough Neutrosophic Aggregation Operators for Multi-criteria Decision-Making. Studies in Fuzziness and Soft Computing, 2019, , 79-105.	0.8	9
39	Coordinating a multi-echelon supply chain under production disruption and price-sensitive stochastic demand. Journal of Industrial and Management Optimization, 2019, 15, 1631-1651.	1.3	15
40	Analysing a closed-loop supply chain with selling price, warranty period and green sensitive consumer demand under revenue sharing contract. Journal of Cleaner Production, 2018, 190, 822-837.	9.3	131
41	Optimal replenishment policy for non-instantaneously perishable items with preservation technology and random deterioration start time. International Journal of Management Science and Engineering Management, 2018, 13, 188-199.	3.1	17
42	NN-Harmonic Mean Aggregation Operators-Based MCGDM Strategy in a Neutrosophic Number Environment. Axioms, 2018, 7, 12.	1.9	21
43	Effectiveness of consignment stock policy in a three-level supply chain. Operational Research, 2017, 17, 39-66.	2.0	3
44	Hybrid vector similarity measures and their applications to multi-attribute decision making under neutrosophic environment. Neural Computing and Applications, 2017, 28, 1163-1176.	5.6	77
45	Integrated model for an imperfect production-inventory system with a generalised shipment policy, errors in quality inspection and ordering cost reduction. International Journal of Systems Science: Operations and Logistics, 2017, 4, 260-274.	3.0	5
46	Coordinating a vendorâ€"buyer supply chain with stochastic demand and uncertain yield. International Journal of Management Science and Engineering Management, 2017, 12, 96-103.	3.1	5
47	Multi-manufacturer pricing and quality management strategies in the presence of brand differentiation and return policy. Computers and Industrial Engineering, 2017, 105, 146-157.	6.3	16
48	Sub-supply chain coordination in a three-layer chain under demand uncertainty and random yield in production. International Journal of Production Economics, 2017, 191, 66-73.	8.9	33
49	Coordinating a three-echelon supply chain under price and quality dependent demand with sub-supply chain and RFM strategies. Applied Mathematical Modelling, 2017, 52, 747-769.	4.2	35
50	Pricing and return product collection decisions in a closed-loop supply chain with dual-channel in both forward and reverse logistics. Journal of Manufacturing Systems, 2017, 42, 104-123.	13.9	180
51	A closed-loop supply chain with stochastic product returns and worker experience under learning and forgetting. International Journal of Production Research, 2017, 55, 6760-6778.	7.5	38
52	Two-period pricing and decision strategies in a two-echelon supply chain under price-dependent demand. Applied Mathematical Modelling, 2017, 42, 655-674.	4.2	51
53	Two-way product recovery in a closed-loop supply chain with variable markup under price and quality dependent demand. International Journal of Production Economics, 2017, 183, 259-272.	8.9	87
54	Consignment stock policy with unequal shipments and process unreliability for a two-level supply chain. International Journal of Production Research, 2017, 55, 2489-2505.	7.5	24

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55	Improving performance by coordinating a supply chain with third party logistics outsourcing under production disruption. Computers and Industrial Engineering, 2017, 103, 168-177.	6.3	88
56	A vendor-buyer supply chain model for time-dependent deteriorating item with preservation technology investment. International Journal of Mathematics in Operational Research, 2017, 10, 431.	0.2	20
57	A fuzzy random continuous review inventory model with a mixture of backorders and lost sales under imprecise chance constraint. International Journal of Operational Research, 2016, 26, 34.	0.2	7
58	Optimal strategy for a manufacturer-retailer inventory system with defective items under retailer partial trade credit policy. Journal of Information and Optimization Sciences, 2016, 37, 343-387.	0.3	0
59	Optimal ordering policy for an inventory system with linearly increasing demand and allowable shortages under two levels trade credit financing. Operational Research, 2016, 16, 25-50.	2.0	18
60	Coordinating a three-layer supply chain with uncertain demand and random yield. International Journal of Production Research, 2016, 54, 2499-2518.	7.5	58
61	Modelling supply chain inventory system with controllable lead time under price-dependent demand. International Journal of Advanced Manufacturing Technology, 2016, 84, 1861-1871.	3.0	7
62	Optimal production policy for a closed-loop hybrid system with uncertain demand and return under supply disruption. Journal of Cleaner Production, 2016, 112, 2015-2028.	9.3	85
63	Coordinating a two-echelon supply chain under production disruption when retailers compete with price and service level. Operational Research, 2016, 16, 71-88.	2.0	30
64	TOPSIS method for multi-attribute group decision-making under single-valued neutrosophic environment. Neural Computing and Applications, 2016, 27, 727-737.	5.6	312
65	A vendor-buyer integrated inventory system with vendor's capacity constraint. International Journal of Logistics Systems and Management, 2015, 21, 284.	0.2	11
66	A single-vendor multi-buyer integrated model with stock- and price-dependent demand under consignment stock policy. International Journal of Services and Operations Management, 2015, 20, 228.	0.2	8
67	Two-Echelon Inventory Optimization for Imperfect Production System under Quality Competition Environment. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	10
68	Coordinating a two-echelon supply chain with price and promotional effort dependent demand. International Journal of Operational Research, 2015, 23, 181.	0.2	8
69	An integrated inventory model for a deteriorating item with allowable shortages and credit linked wholesale price. Optimization Letters, 2015, 9, 1149-1175.	1.6	12
70	Optimizing a closed-loop supply chain with manufacturing defects and quality dependent return rate. Journal of Manufacturing Systems, 2015, 35, 92-111.	13.9	91
71	Quality and pricing decisions in a two-echelon supply chain under multi-manufacturer competition. International Journal of Advanced Manufacturing Technology, 2015, 78, 1927-1941.	3.0	32
72	A vendor–buyer JELS model with stock-dependent demand and consigned inventory under buyer's space constraint. Operational Research, 2015, 15, 79-93.	2.0	24

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73	Coordinating a supply chain under uncertain demand and random yield in presence of supply disruption. International Journal of Production Research, 2015, 53, 5070-5084.	7.5	55
74	A single-manufacturer multi-buyer supply chain inventory model with controllable lead time and price-sensitive demand. Journal of Industrial and Production Engineering, 2015, 32, 516-527.	3.1	9
75	Optimal Pricing and Order-Up-To S Inventory Policy with Expected Utility of the Present Value Criterion. Engineering Economist, 2015, 60, 231-244.	1.1	1
76	A closed loop supply chain under retail price and product quality dependent demand. Journal of Manufacturing Systems, 2015, 37, 624-637.	13.9	146
77	Manufacturer's pricing strategies in cooperative and non-cooperative advertising supply chain under retail competition. International Journal of Industrial Engineering Computations, 2014, 5, 473-494.	0.7	4
78	Lot sizing and unequal-sized shipment policy for an integrated production-inventory system. International Journal of Systems Science, 2014, 45, 888-901.	5.5	20
79	Profit improvement through retailer–Stackelberg in a multi-echelon supply chain of deteriorating product with price-sensitive demand. Journal of Industrial and Production Engineering, 2014, 31, 187-198.	3.1	8
80	Multi-manufacturer single-retailer supply chain model under price- and warranty period-dependent demand. International Journal of Mathematics in Operational Research, 2014, 6, 631.	0.2	9
81	TOPSIS approach to linear fractional bi-level MODM problem based on fuzzy goal programming. Journal of Industrial Engineering International, 2014, 10, 173-184.	1.8	14
82	Lot sizing in a deteriorating production system under inspections, imperfect maintenance and reworks. Operational Research, 2014, 14, 29-50.	2.0	18
83	Manufacturer's pricing strategy in a two-level supply chain with competing retailers and advertising cost dependent demand. Economic Modelling, 2014, 38, 102-111.	3.8	57
84	Trade credit competition between two retailers in a supply chain under credit-linked retail price and market demand. Optimization Letters, 2014, 8, 2065-2085.	1.6	11
85	Note on "Coordinating the ordering and advertising policies for a single-period commodity in a two-level supply chain" Computers and Industrial Engineering, 2014, 77, 11-14.	6.3	1
86	Optimal vendor investment for reducing defect rate in a vendor–buyer integrated system with imperfect production process. International Journal of Production Economics, 2014, 155, 222-228.	8.9	56
87	Coordinating a two-echelon supply chain through different contracts under price and promotional effort-dependent demand. Journal of Systems Science and Systems Engineering, 2013, 22, 295-318.	1.6	19
88	Joint effect of stock threshold level and production policy on an unreliable production environment. Applied Mathematical Modelling, 2013, 37, 6593-6608.	4.2	12
89	Supply chain model with price- and trade credit-sensitive demand under two-level permissible delay in payments. International Journal of Systems Science, 2013, 44, 937-948.	5.5	49
90	A vendor-buyer integrated production-inventory model with quantity discount and unequal sized shipments. International Journal of Operational Research, 2013, 16, 1.	0.2	18

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91	Supply chain model for a deteriorating product with time-varying demand and production rate. Journal of the Operational Research Society, 2012, 63, 665-673.	3.4	24
92	Note on effects of joint replenishment and channel coordination for managing multiple deteriorating products in a supply chain. Journal of the Operational Research Society, 2012, 63, 861-864.	3.4	3
93	An integrated multi-supplier, multi-buyer and dual vendors inventory model with stochastic demand. International Journal of Services and Operations Management, 2012, 13, 208.	0.2	6
94	An optimal policy for a single-vendor single-buyer integrated inventory system based on vendor's strategy of shipments to buyer. International Journal of Services and Operations Management, 2012, 13, 267.	0.2	7
95	Supply chain coordination for a deteriorating item with stock and price€dependent demand under revenue sharing contract. International Transactions in Operational Research, 2012, 19, 753-768.	2.7	56
96	Joint determination of optimal safety stocks and production policy for an imperfect production system. Applied Mathematical Modelling, 2012, 36, 712-722.	4.2	26
97	Coordinating a two-echelon supply chain under inflation and time value of money. International Journal of Industrial Engineering Computations, 2011, 2, 811-818.	0.7	2
98	Supply chain coordination for a deteriorating product under stock-dependent consumption rate and unreliable production process. International Journal of Industrial Engineering Computations, 2011, 2, 263-272.	0.7	9
99	Supply Chain Coordination with Price-Sensitive Demand Under Risks of Demand and Supply Disruptions. Technology Operation Management, 2011, 2, 29-38.	0.0	2
100	Managing inventory with two suppliers under yield uncertainty and risk aversion. International Journal of Production Economics, 2011, 133, 80-85.	8.9	83
101	Fuzzy production planning models for an unreliable production system with fuzzy production rate and stochastic/fuzzy demand rate. International Journal of Industrial Engineering Computations, 2011, 2, 179-192.	0.7	5
102	Quantifying the risk in age and block replacement policies. Journal of the Operational Research Society, 2010, 61, 1151-1158.	3.4	12
103	Lot sizing in an unreliable manufacturing system with fuzzy demand and repair time. International Journal of Industrial and Systems Engineering, 2010, 5, 485.	0.2	7
104	Fuzzy EPQ models for an imperfect production system. International Journal of Systems Science, 2009, 40, 45-52.	5.5	21
105	Cost-effective ordering policies for inventory systems with emergency order. Computers and Industrial Engineering, 2009, 57, 1336-1341.	6.3	10
106	Production lot sizing with process deterioration and machine breakdown. European Journal of Operational Research, 2008, 185, 606-618.	5.7	75
107	Determining Economic Manufacturing Quantity for an unreliable manufacturing system in discrete time setting. International Journal of Operational Research, 2008, 3, 557.	0.2	4
108	Fuzzy Economic Order Quantity model for perishable items with stochastic demand, partial backlogging and fuzzy deterioration rate. International Journal of Operational Research, 2008, 3, 77.	0.2	31

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109	Optimal production, maintenance, and warranty strategies for item sold with rebate combination warranty. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2007, 221, 257-264.	0.7	2
110	Inspection scheduling for imperfect production processes under free repair warranty contract. European Journal of Operational Research, 2007, 183, 238-252.	5.7	49
111	OPTIMAL INSPECTION SCHEDULE IN AN IMPERFECT EMQ MODEL WITH FREE REPAIR WARRANTY POLICY(<Special Issue>Advanced Planning and Scheduling for Supply Chain Management). Journal of the Operations Research Society of Japan, 2006, 49, 222-237.	0.2	3
112	Discrete-time spare ordering policy with randomized lead times and discounting. International Transactions in Operational Research, 2006, 13, 561-576.	2.7	2
113	Cost-effective production policy for a stochastic unreliable manufacturing system. IMA Journal of Management Mathematics, 2006, 17, 209-223.	1.6	1
114	OPTIMAL PRODUCTION RUN-LENGTH AND WARRANTY PERIOD FOR ITEMS SOLD WITH REBATE COMBINATION WARRANTY. , 2006, , .		0
115	Exact formulation of stochastic EMQ model for an unreliable production system. Journal of the Operational Research Society, 2005, 56, 563-575.	3.4	44
116	Optimal lot sizing for an unreliable production system under partial backlogging and at most two failures in a production cycle. International Journal of Production Economics, 2005, 95, 229-243.	8.9	25
117	Economic order quantity models for ameliorating/deteriorating items under inflation and time discounting. European Journal of Operational Research, 2005, 162, 773-785.	5.7	122
118	Optimal design of unreliable production–inventory systems with variable production rate. European Journal of Operational Research, 2005, 162, 372-386.	5.7	58
119	Optimal lot sizing in an unreliable two-stage serial production-inventory system. International Transactions in Operational Research, 2005, 12, 63-82.	2.7	5
120	An economic production lot size model with increasing demand, shortages and partial backlogging. International Transactions in Operational Research, 2005, 12, 235-245.	2.7	23
121	Computational aspects of an extended EMQ model with variable production rate. Computers and Operations Research, 2005, 32, 3143-3161.	4.0	27
122	Inspection Scheduling for Imperfect Production Processes. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2005, 2005, 246-251.	0.2	0
123	Accounting for idle capacity cost in the scheduling of economic lot sizes. International Journal of Production Research, 2004, 42, 677-691.	7.5	9
124	Note on an economic lot scheduling problem under budgetary and capacity constraints. International Journal of Production Economics, 2004, 91, 229-234.	8.9	9
125	Optimal lot sizing for an unreliable production system based on net present value approach. International Journal of Production Economics, 2004, 92, 157-167.	8.9	30
126	An improved heuristic for a batch production system under linearly increasing time-varying demand. Computers and Industrial Engineering, 2004, 47, 103-106.	6.3	3

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127	Optimal Design of Production Rate in A Failure-Prone Manufacturing System. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2004, 2004, 279-284.	0.2	0
128	The production–inventory problem of a product with time varying demand, production and deterioration rates. European Journal of Operational Research, 2003, 147, 549-557.	5.7	124
129	A simple rule for determining replenishment intervals of an inventory item with linear decreasing demand rate. International Journal of Production Economics, 2003, 83, 139-142.	8.9	17
130	Economic Order Quantity model with Weibull deterioration distribution, shortage and ramp-type demand. International Journal of Systems Science, 2003, 34, 237-243.	5.5	134
131	Economic lot scheduling problem with imperfect production processes and setup times. Journal of the Operational Research Society, 2002, 53, 620-629.	3.4	30
132	Some notes on the optimal production stopping and restarting times for an EOQ model with deteriorating items. Journal of the Operational Research Society, 2001, 52, 1300-1301.	3.4	9
133	Recent trends in modeling of deteriorating inventory. European Journal of Operational Research, 2001, 134, 1-16.	5.7	1,128
134	Comment on Bose S, Goswami A and Chaudhuri KS (1995). An EOQ model for deteriorating items with linear time-dependent demand rate and shortages under inflation and time discounting. Journal of the Operational Research Society, 2001, 52, 966-969.	3.4	2
135	Note on ?An Optimal Recursive Method for Various Inventory Replenishment Models with Increasing Demand and Shortages? by Teng et al.. Naval Research Logistics, 2000, 47, 602-606.	2.2	5
136	A note on a lot sizing heuristic for deteriorating items with time-varying demands and shortages. Computers and Operations Research, 2000, 27, 495-505.	4.0	45
137	An economic production lot-size model with shortages and time-dependent demand. IMA Journal of Management Mathematics, 1999, 10, 203-211.	1.6	2
138	Deterministic models of perishable inventory with stock-dependent demand rate and nonlinear holding cost. European Journal of Operational Research, 1998, 105, 467-474.	5.7	173
139	A heuristic for replenishment of deteriorating items with time-varying demand and shortages in all cycles. International Journal of Systems Science, 1998, 29, 551-555.	5.5	8
140	Heuristic models for deteriorating items with shortages and time-varying demand and costs. International Journal of Systems Science, 1997, 28, 153-159.	5.5	37
141	An EOQ Model for Deteriorating Items with Time Varying Demand and Costs. Journal of the Operational Research Society, 1996, 47, 1398-1405.	3.4	80
142	An inventory model for deteriorating items with stock-dependent demand rate. European Journal of Operational Research, 1996, 95, 604-610.	5.7	127
143	Corporate social responsibility in a closed-loop supply chain with dual-channel waste recycling. International Journal of Systems Science: Operations and Logistics, 0, , 1-14.	3.0	6
144	Green sustainable supply chain under cap and trade regulation involving Government introspection. RAIRO - Operations Research, 0, , .	1.8	7