## Bibhas Chandra Giri

List of Publications by Year in descending order

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144 papers 5,484 citations

35 h-index 91884 69 g-index

145 all docs

145 docs citations

145 times ranked 2495 citing authors

#	Article	IF	CITATIONS
1	Recent trends in modeling of deteriorating inventory. European Journal of Operational Research, 2001, 134, 1-16.	5.7	1,128
2	TOPSIS method for multi-attribute group decision-making under single-valued neutrosophic environment. Neural Computing and Applications, 2016, 27, 727-737.	5.6	312
3	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
4	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
5	A closed loop supply chain under retail price and product quality dependent demand. Journal of Manufacturing Systems, 2015, 37, 624-637.	13.9	146
6	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
7	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
8	An inventory model for deteriorating items with stock-dependent demand rate. European Journal of Operational Research, 1996, 95, 604-610.	5.7	127
9	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
10	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
11	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
12	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
13	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
14	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
15	Managing inventory with two suppliers under yield uncertainty and risk aversion. International Journal of Production Economics, 2011, 133, 80-85.	8.9	83
16	Pythagorean fuzzy DEMATEL method for supplier selection in sustainable supply chain management. Expert Systems With Applications, 2022, 193, 116396.	7.6	82
17	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
18	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

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19	Production lot sizing with process deterioration and machine breakdown. European Journal of Operational Research, 2008, 185, 606-618.	5.7	75
20	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
21	Optimal design of unreliable production–inventory systems with variable production rate. European Journal of Operational Research, 2005, 162, 372-386.	<b>5.7</b>	58
22	Coordinating a three-layer supply chain with uncertain demand and random yield. International Journal of Production Research, 2016, 54, 2499-2518.	7.5	58
23	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
24	Supply chain coordination for a deteriorating item with stock and priceâ€dependent demand under revenue sharing contract. International Transactions in Operational Research, 2012, 19, 753-768.	2.7	56
25	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
26	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
27	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
28	Extended PROMETHEE method with Pythagorean fuzzy sets for medical diagnosis problems. Soft Computing, 2021, 25, 4503-4512.	3.6	52
29	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
30	Inspection scheduling for imperfect production processes under free repair warranty contract. European Journal of Operational Research, 2007, 183, 238-252.	5.7	49
31	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
32	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
33	Exact formulation of stochastic EMQ model for an unreliable production system. Journal of the Operational Research Society, 2005, 56, 563-575.	3.4	44
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	Economic lot scheduling problem with imperfect production processes and setup times. Journal of the Operational Research Society, 2002, 53, 620-629.	3.4	30
46	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
47	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
48	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
49	Computational aspects of an extended EMQ model with variable production rate. Computers and Operations Research, 2005, 32, 3143-3161.	4.0	27
50	Joint determination of optimal safety stocks and production policy for an imperfect production system. Applied Mathematical Modelling, 2012, 36, 712-722.	4.2	26
51	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
52	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
53	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
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	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
56	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
57	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
58	Fuzzy EPQ models for an imperfect production system. International Journal of Systems Science, 2009, 40, 45-52.	5 <b>.</b> 5	21
59	NN-Harmonic Mean Aggregation Operators-Based MCGDM Strategy in a Neutrosophic Number Environment. Axioms, 2018, 7, 12.	1.9	21
60	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
61	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
62	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
63	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
64	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
65	Lot sizing in a deteriorating production system under inspections, imperfect maintenance and reworks. Operational Research, 2014, 14, 29-50.	2.0	18
66	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
67	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
68	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
69	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
70	Neutrosophic TOPSIS with Group Decision Making. Studies in Fuzziness and Soft Computing, 2019, , 543-585.	0.8	16
71	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
72	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

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73	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
74	Quantifying the risk in age and block replacement policies. Journal of the Operational Research Society, 2010, 61, 1151-1158.	3.4	12
75	Joint effect of stock threshold level and production policy on an unreliable production environment. Applied Mathematical Modelling, 2013, 37, 6593-6608.	4.2	12
76	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
77	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
78	A vendor-buyer integrated inventory system with vendor's capacity constraint. International Journal of Logistics Systems and Management, 2015, 21, 284.	0.2	11
79	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
80	Effectiveness of consignment stock policy under space limitations and deterioration. International Journal of Production Research, 2021, 59, 1834-1851.	7.5	11
81	Cost-effective ordering policies for inventory systems with emergency order. Computers and Industrial Engineering, 2009, 57, 1336-1341.	6.3	10
82	Two-Echelon Inventory Optimization for Imperfect Production System under Quality Competition Environment. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	10
83	NonLinear Programming Approach for Single-Valued Neutrosophic TOPSIS Method. New Mathematics and Natural Computation, 2019, 15, 307-326.	0.7	10
84	A vendor–buyer integrated inventory system with variable lead time and uncertain market demand. Operational Research, 2020, 20, 491-515.	2.0	10
85	TOPSIS Method for Neutrosophic Hesitant Fuzzy Multi-Attribute Decision Making. Informatica, 2020, , 35-63.	2.7	10
86	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
87	Accounting for idle capacity cost in the scheduling of economic lot sizes. International Journal of Production Research, 2004, 42, 677-691.	7.5	9
88	Note on an economic lot scheduling problem under budgetary and capacity constraints. International Journal of Production Economics, 2004, 91, 229-234.	8.9	9
89	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
90	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

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91	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
92	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
93	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
94	Rough Neutrosophic Aggregation Operators for Multi-criteria Decision-Making. Studies in Fuzziness and Soft Computing, 2019, , 79-105.	0.8	9
95	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
96	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
97	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
98	Coordinating a two-echelon supply chain with price and promotional effort dependent demand. International Journal of Operational Research, 2015, 23, 181.	0.2	8
99	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
100	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
101	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
102	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
103	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
104	Coordination mechanisms of a three-layer supply chain under demand and supply risk uncertainties. RAIRO - Operations Research, 2021, 55, S2593-S2617.	1.8	7
105	Impact of uncertain demand and lead-time reduction on two-echelon supply chain. Annals of Operations Research, 2022, 315, 2027-2055.	4.1	7
106	Green sustainable supply chain under cap and trade regulation involving Government introspection. RAIRO - Operations Research, 0, , .	1.8	7
107	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
108	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

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109	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
110	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
111	Optimal lot sizing in an unreliable two-stage serial production-inventory system. International Transactions in Operational Research, 2005, 12, 63-82.	2.7	5
112	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
113	Coordinating a vendor–buyer supply chain with stochastic demand and uncertain yield. International Journal of Management Science and Engineering Management, 2017, 12, 96-103.	3.1	5
114	A three-echelon supply chain model with price and two-level quality dependent demand. RAIRO - Operations Research, 2020, 54, 37-52.	1.8	5
115	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
116	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
117	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
118	Determining Economic Manufacturing Quantity for an unreliable manufacturing system in discrete time setting. International Journal of Operational Research, 2008, 3, 557.	0.2	4
119	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
120	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
121	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
122	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.</special>	0.2	3
123	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
124	Effectiveness of consignment stock policy in a three-level supply chain. Operational Research, 2017, 17, 39-66.	2.0	3
125	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
126	An economic production lot-size model with shortages and time-dependent demand. IMA Journal of Management Mathematics, 1999, 10, 203-211.	1.6	2

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127	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
128	Discrete-time spare ordering policy with randomized lead times and discounting. International Transactions in Operational Research, 2006, 13, 561-576.	2.7	2
129	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
130	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
131	Supply Chain Coordination with Price-Sensitive Demand Under Risks of Demand and Supply Disruptions. Technology Operation Management, 2011, 2, 29-38.	0.0	2
132	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
133	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
134	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
135	Cost-effective production policy for a stochastic unreliable manufacturing system. IMA Journal of Management Mathematics, 2006, 17, 209-223.	1.6	1
136	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
137	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
138	Some similarity measures for MADM under a complex neutrosophic set environment., 2020,, 87-116.		1
139	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
140	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
141	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	O
142	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
143	OPTIMAL PRODUCTION RUN-LENGTH AND WARRANTY PERIOD FOR ITEMS SOLD WITH REBATE COMBINATION WARRANTY. , 2006, , .		0
144	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