Manoranjan Maiti

List of Publications by Year
in descending order

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128	2,705	159585	233421
papers	citations	30	45
		h-index	g-index

130	130	130	1079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two storage inventory problem with dynamic demand and interval valued lead-time over finite time horizon under inflation and time-value of money. European Journal of Operational Research, 2008, 185, 170-194.	5.7	112
2	Fuzzy inventory model with two warehouses under possibility constraints. Fuzzy Sets and Systems, 2006, 157, 52-73.	2.7	108
3	Fixed charge transportation problem with type-2 fuzzy variables. Information Sciences, 2014, 255, 170-186.	6.9	104
4	Multi-objective multi-item solid transportation problem in fuzzy environment. Applied Mathematical Modelling, 2013, 37, 2028-2038.	4.2	101
5	Government intervention on a competing supply chain with two green manufacturers and a retailer. Computers and Industrial Engineering, 2019, 128, 104-121.	6.3	92
6	An inventory system of ameliorating items for price dependent demand rate. Computers and Industrial Engineering, 2003, 45, 443-456.	6.3	80
7	Multi-objective fuzzy inventory model with three constraints: a geometric programming approach. Fuzzy Sets and Systems, 2005, 150, 87-106.	2.7	77
8	A productionâ€“inventory model with remanufacturing for defective and usable items in fuzzy-environment. Computers and Industrial Engineering, 2009, 56, 87-96.	6.3	67
9	Multi-objective solid transportation problems with budget constraint in uncertain environment. International Journal of Systems Science, 2014, 45, 1668-1682.	5.5	60
10	Fully fuzzy fixed charge multi-item solid transportation problem. Applied Soft Computing Journal, 2015, 27, 77-91.	7.2	60
11	An inventory model for a deteriorating item with displayed stock dependent demand under fuzzy inflation and time discounting over a random planning horizon. Applied Mathematical Modelling, 2009, 33, 744-759.	4.2	52
12	Two storage inventory model of a deteriorating item with variable demand under partial credit period. Applied Soft Computing Journal, 2013, 13, 428-448.	7.2	51
13	Multi-item solid transportation problem with type-2 fuzzy parameters. Applied Soft Computing Journal, 2015, 31, 61-80.	7.2	51
14	Two-storage inventory model with lot-size dependent fuzzy lead-time under possibility constraints via genetic algorithm. European Journal of Operational Research, 2007, 179, 352-371.	5.7	45
15	A method to solve linear programming problem with interval type-2 fuzzy parameters. Fuzzy Optimization and Decision Making, 2019, 18, 103-130.	5.5	43
16	A production inventory model with fuzzy production and demand using fuzzy differential equation: An interval compared genetic algorithm approach. Engineering Applications of Artificial Intelligence, 2013, 26, 766-778.	8.1	42
17	Multi-item partial backlogging inventory models over random planninghorizon in random fuzzy environment. Applied Soft Computing Journal, 2014, 21, 12-27.	7.2	42
18	Inventory model of deteriorated items with a constraint: A geometric programming approach. European Journal of Operational Research, 2006, 173, 199-210.	5.7	40

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19	A production-repairing inventory model with fuzzy rough coefficients under inflation and time value of money. Applied Mathematical Modelling, 2013, 37, 3200-3215.	4.2	40
20	Multi-item inventory models with price dependent demand under flexibility and reliability consideration and imprecise space constraint: A geometric programming approach. Mathematical and Computer Modelling, 2009, 49, 1733-1749.	2.0	39
21	A Profit Maximizing Solid Transportation Model Under a Rough Interval Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 485-498.	9.8	39
22	Two storage inventory model with fuzzy deterioration over a random planning horizon. Mathematical and Computer Modelling, 2007, 46, 1419-1433.	2.0	37
23	Two warehouse inventory models for single vendor multiple retailers with price and stock dependent demand. Applied Mathematical Modelling, 2010, 34, 3571-3585.	4.2	37
24	Production-inventory models for a damageable item with variable demands and inventory costs in an imperfect production process. International Journal of Production Economics, 2013, 144, 180-188.	8.9	37
25	An EOQ model of deteriorating item in imprecise environment with dynamic deterioration and credit linked demand. Applied Mathematical Modelling, 2015, 39, 6553-6567.	4.2	36
26	An imprecise Multi-Objective Genetic Algorithm for uncertain Constrained Multi-Objective Solid Travelling Salesman Problem. Expert Systems With Applications, 2016, 46, 196-223.	7.6	36
27	Defuzzification and application of trapezoidal type-2 fuzzy variables to green solid transportation problem. Soft Computing, 2018, 22, 2275-2297.	3.6	36
28	An EPQ model with price discounted promotional demand in an imprecise planning horizon via Genetic Algorithm. Computers and Industrial Engineering, 2009, 57, 181-187.	6.3	35
29	Multi-item inventory model of breakable items with stock-dependent demand under stock and time dependent breakability rate. Computers and Industrial Engineering, 2010, 59, 911-920.	6.3	32
30	A Modified Genetic Algorithm for solving uncertain Constrained Solid Travelling Salesman Problems. Computers and Industrial Engineering, 2015, 83, 273-296.	6.3	32
31	Fuzzy stochastic solid transportation problem using fuzzy goal programming approach. Computers and Industrial Engineering, 2014, 72, 160-168.	6.3	31
32	A multi-item transportation problem with fuzzy tolerance. Applied Soft Computing Journal, 2013, 13, 3703-3712.	7.2	30
33	A transportation problem with fuzzy-stochastic cost. Applied Mathematical Modelling, 2014, 38, 1464-1481.	4.2	30
34	Profit maximization of TSP through a hybrid algorithm. Computers and Industrial Engineering, 2015, 88, 229-236.	6.3	30
35	A breakable multi-item multi stage solid transportation problem under budget with Gaussian type-2 fuzzy parameters. Applied Intelligence, 2016, 45, 923-951.	5.3	29
36	A supply chain with variable demand under three level trade credit policy. Computers and Industrial Engineering, 2017, 106, 205-221.	6.3	29

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37	An interactive method for inventory control with fuzzy lead-time and dynamic demand. European Journal of Operational Research, 2005, 167, 381-397.	5.7	25
38	Bundle pricing strategies for two complementary products with different channel powers. Annals of Operations Research, 2020, 287, 701-725.	4.1	25
39	Inventory policy of a deteriorating item with variable demand under trade credit period. Computers and Industrial Engineering, 2014, 76, 75-88.	6.3	24
40	A deteriorating multi-item inventory model with fuzzy costs and resources based on two different defuzzification techniques. Applied Mathematical Modelling, 2008, 32, 208-223.	4.2	23
41	Multi-item 4D-TPs under budget constraint using rough interval. Applied Soft Computing Journal, 2018, 71, 364-385.	7.2	23
42	A fuzzy multi-criteria group decision making based on ranking interval type-2 fuzzy variables and an application to transportation mode selection problem. Soft Computing, 2017, 21, 3051-3062.	3.6	22
43	A solid transportation model with product blending and parameters as rough variables. Soft Computing, 2017, 21, 2297-2306.	3.6	22
44	Uncertain multi-item supply chain with two level trade credit under promotional cost sharing. Computers and Industrial Engineering, 2018, 118, 451-463.	6.3	22
45	An application of bi-level newsboy problem in two substitutable items under capital cost. Applied Mathematics and Computation, 2007, 190, 410-422.	2.2	21
46	Three level partial trade credit with promotional cost sharing. Applied Soft Computing Journal, 2017, 58, 553-575.	7.2	21
47	Transportation policies for single and multi-objective transportation problem using fuzzy logic. Mathematical and Computer Modelling, 2011, 53, 1637-1646.	2.0	20
48	Inventory model of a deteriorating item with price and credit linked fuzzy demand : A fuzzy differential equation approach. Opsearch, 2014, 51, 321-353.	1.8	19
49	Bi-criteria solid transportation problem with substitutable and damageable items in disaster response operations on fuzzy rough environment. Socio-Economic Planning Sciences, 2016, 55, 1-13.	5.0	19
50	Application of Generalized Hukuhara derivative approach in an economic production quantity model with partial trade credit policy under fuzzy environment. Operations Research Perspectives, 2016, 3, 77-91.	2.1	19
51	Green logistics under imperfect production system: A Rough age based Multi-Objective Genetic Algorithm approach. Computers and Industrial Engineering, 2018, 119, 100-113.	6.3	19
52	Some special fixed charge solid transportation problems of substitute and breakable items in crisp and fuzzy environments. Computers and Industrial Engineering, 2017, 111, 272-281.	6.3	18
53	A production inventory model with price discounted fuzzy demand using an interval compared hybrid algorithm. Swarm and Evolutionary Computation, 2017, 34, 1-17.	8.1	18
54	A volume flexible production-policy for randomly deteriorating item with trended demand and shortages. International Journal of Production Economics, 2010, 128, 188-199.	8.9	17

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55	A fuzzy MCDM method and an application to solid transportation problem with mode preference. Soft Computing, 2014, 18, 1853-1864.	3.6	16
56	Multi-item EOQ model with hybrid cost parameters under fuzzy/fuzzy-stochastic resource constraints: A geometric programming approach. Computers and Mathematics With Applications, 2008, 56, 2970-2985.	2.7	15
57	Fuzzy stochastic inequality and equality possibility constraints and their application in a production-inventory model via optimal control method. Journal of Computational Science, 2013, 4, 360-369.	2.9	15
58	Defuzzification of trapezoidal type-2 fuzzy variables and its application to solid transportation problem. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2431-2445.	1.4	15
59	Coordinating Particle Swarm Optimization, Ant Colony Optimization and K-Opt Algorithm for Traveling Salesman Problem. Communications in Computer and Information Science, 2017, , 103-119.	0.5	15
60	Novel multi-objective, multi-item and four-dimensional transportation problem with vehicle speed in LR-type intuitionistic fuzzy environment. Neural Computing and Applications, 2020, 32, 11937-11955.	5.6	15
61	Inventory of damageable items with variable replenishment and unit production cost via simulated annealing method. Computers and Industrial Engineering, 2005, 49, 432-448.	6.3	14
62	Fuzzy mixture two warehouse inventory model involving fuzzy random variable lead time demand and fuzzy total demand. Central European Journal of Operations Research, 2014, 22, 187-209.	1.8	14
63	Imprecise modified solid green traveling purchaser problem for substitute items using quantum-inspired genetic algorithm. Computers and Industrial Engineering, 2020, 147, 106578.	6.3	14
64	Mean and CV reduction methods on Gaussian type-2 fuzzy set and its application to a multilevel profit transportation problem in a two-stage supply chain network. Neural Computing and Applications, 2017, 28, 2703-2726.	5.6	13
65	Multi-objective four dimensional imprecise TSP solved with a hybrid multi-objective ant colony optimization-genetic algorithm with diversity. Journal of Intelligent and Fuzzy Systems, 2019, 36, 47-65.	1.4	13
66	Constrained covering solid travelling salesman problems in uncertain environment. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 125-141.	4.9	13
67	A two-warehouse inventory model with stochastic demand, controllable lead time and fuzzy present value: a technique to deal with arbitrary fuzzy number. International Journal of Operational Research, 2010, 8, 208.	0.2	12
68	Inventory models for breakable items with stock dependent demand and imprecise constraints. Mathematical and Computer Modelling, 2010, 52, 1771-1782.	2.0	12
69	Inventory Policy with Stock, Price and Credit-Linked Demand. International Journal of Strategic Decision Sciences, 2012, 3, 47-65.	0.0	12
70	A hybrid heuristic algorithm for single and multi-objective imprecise traveling salesman problems. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1987-2001.	1.4	12
71	EPL models with fuzzy imperfect production system including carbon emission: a fuzzy differential equation approach. Soft Computing, 2020, 24, 1293-1313.	3.6	12
72	Fixed charge 4D-TP for a breakable item under hybrid random type-2 uncertain environments. Information Sciences, 2020, 527, 128-158.	6.9	12

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73	A fixed charge multi-objective solid transportation problem in random fuzzy environment. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2643-2654.	1.4	11
74	A production-recycling model with variable demand, demand-dependent fuzzy return rate: A fuzzy differential equation approach. Computers and Industrial Engineering, 2013, 64, 318-332.	6.3	10
75	Analysis of pricing decision for substitutable and complementary products with a common retailer. Pacific Science Review A Natural Science and Engineering, 2016, 18, 190-202.	0.4	10
76	A solid transportation problem in uncertain environment involving type-2 fuzzy variable. Neural Computing and Applications, 2019, 31, 4903-4927.	5.6	10
77	Green 4D transportation problems with breakable incompatible items under type-2 fuzzy-random environment. Journal of Cleaner Production, 2020, 275, 122376.	9.3	10
78	Multi-item shelf-space allocation of breakable items via genetic algorithm. Journal of Applied Mathematics and Computing, 2006, 20, 327-343.	2.5	9
79	Two storage inventory model in a mixed environment. Fuzzy Optimization and Decision Making, 2007, 6, 391-426.	5.5	9
80	INITIAL-VALUED FIRST-ORDER FUZZY DIFFERENTIAL EQUATION IN BI-LEVEL INVENTORY MODEL WITH FUZZY DEMAND. Mathematical Modelling and Analysis, 2008, 13, 493-512.	1.5	9
81	A production-recycling-inventory model with learning effect. Optimization and Engineering, 2009, 10, 427-438.	2.4	9
82	Breakable Fuzzy Multi-stage Transportation Problem. Journal of the Operations Research Society of China, 2015, 3, 53-67.	1.4	9
83	A two storage production-repairing model with fuzzy defective rate and displayed inventory dependent demand. Optimization and Engineering, 2014, 15, 751-772.	2.4	8
84	The grey linear programming approach and its application to multi-objective multi-stage solid transportation problem. Opsearch, 2016, 53, 500-522.	1.8	8
85	Two-Level Supply Chain of a Seasonal Deteriorating Item with Time, Price, and Promotional Cost Dependent Demand Under Finite Time Horizon. American Journal of Mathematical and Management Sciences, 2017, 36, 292-315.	0.9	8
86	A volume flexible fuzzy production inventory model under interactive and simulation approach. International Journal of Mathematics in Operational Research, 2012, 4, 422.	0.2	7
87	An intelligent hybrid algorithm for 4- dimensional TSP. Journal of Industrial Information Integration, 2017, 5, 39-50.	6.4	7
88	A modified discrete antlion optimizer for the ring star problem with secondary sub-depots. Neural Computing and Applications, 2020, 32, 8143-8156.	5.6	7
89	Multi-Objective Green 4-dimensional transportation problems for breakable incompatible items with different fixed charge payment policies. Computers and Industrial Engineering, 2021, 156, 107184.	6.3	7
90	An imperfect EPQ model for deteriorating items with promotional effort dependent demand. Journal of Intelligent and Fuzzy Systems, 2017, 33, 649-666.	1.4	6

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91	A multi-objective post-disaster relief logistic model. , 2017, , .		6
92	Entropy based solid transportation problems with discounted unit costs under fuzzy random environment. Opsearch, 2014, 51, 479-532.	1.8	5
93	EPL models for complementary and substitute items under imperfect production process with promotional cost and selling price dependent demands. Opsearch, 2016, 53, 259-277.	1.8	5
94	Fuzzy Optimization for Multi-item Supply Chain with Trade Credit and Two-Level Price Discount Under Promotional Cost Sharing. International Journal of Fuzzy Systems, 2018, 20, 1644-1655.	4.0	5
95	Rough Genetic Algorithm for Constrained Solid TSP with Interval Valued Costs and Times. Fuzzy Information and Engineering, 2018, 10, 145-177.	1.7	5
96	A Multi-item EPQ Model with Variable Demand in an Imperfect Production Process. Advances in Intelligent Systems and Computing, 2019, , 217-233.	0.6	5
97	A solid transportation problem with fuzzy random costs and constraints. International Journal of Mathematics in Operational Research, 2012, 4, 651.	0.2	4
98	Interval Oriented Entropy Based Multi-item Solid Transportation Problem with Budget and Breakability. International Journal of Applied and Computational Mathematics, 2015, 1, 279-292.	1.6	4
99	Application of Interval Type-2 Fuzzy Logic to polypropylene business policy in a petrochemical plant in India. Journal of the Saudi Society of Agricultural Sciences, 2018, 17, 24-42.	1.9	4
100	An EOQ model for deteriorating item with promotional effort and credit linked demand. European Journal of Industrial Engineering, 2019, 13, 368.	0.8	4
101	Imperfect production policy of a breakable item with variable breakability and demand in random planning horizon. International Journal of Mathematics in Operational Research, 2012, 4, 622.	0.2	3
102	Multi-item two storage inventory models for breakable items with fuzzy cost and resources based on different defuzzification techniques. Opsearch, 2012, 49, 169-190.	1.8	3
103	An appropriate business strategy for a sale item. Opsearch, 2018, 55, 85-106.	1.8	3
104	Constrained FC 4D MITPs for Damageable Substitutable and Complementary Items in Rough Environments. Mathematics, 2019, 7, 281.	2.2	3
105	Inventory of a deteriorating green product with preservation technology cost using a hybrid algorithm. Soft Computing, 2021, 25, 11621-11636.	3.6	3
106	Fully fuzzy multi-item two-stage fixed charge four-dimensional transportation problems with flexible constraints. Granular Computing, 2022, 7, 779-797.	8.0	3
107	Determination of withdrawal schedule in single-species cultivation via genetic algorithm. Applied Mathematics and Computation, 2007, 188, 322-331.	2.2	2
108	Multi-item multi-stage transportation problem with breakability. International Journal of Operational Research, 2018, 31, 510.	0.2	2

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109	Simulation approach to solve fuzzy fixed charge multi-item solid transportation problems under budget constraint. International Journal of Operational Research, 2018, 32, 56.	0.2	2
110	A supply chain of deteriorating items with variable demand. Journal of Intelligent and Fuzzy Systems, 2019, 37, 565-581.	1.4	2
111	Analysis of strategies for substitutable and complementary products in a two-levels fuzzy supply chain system. Operational Research, 2021, 21, 485-524.	2.0	2
112	A random fuzzy production inventory problem with backorder rate based on controllable preparation time and safety factor via genetic algorithm. International Journal of Modelling in Operations Management, 2014, 4, 170.	0.0	1
113	Imprecise Constrained Covering Solid Travelling Salesman Problem with Credibility. Communications in Computer and Information Science, 2017, , 181-195.	0.5	1
114	Prices and order quantities of substitutable products in an EPQ model over different uncertain finite budget constraints. Journal of Intelligent and Fuzzy Systems, 2017, 33, 229-244.	1.4	1
115	A Hybrid Heuristic for Restricted 4-Dimensional TSP (r-4DTSP). Springer Proceedings in Mathematics and Statistics, 2018, , 285-302.	0.2	1
116	A Solid Transportation Problem with Additional Constraints Using Gaussian Type-2 Fuzzy Environments. Springer Proceedings in Mathematics and Statistics, 2018, , 113-125.	0.2	1
117	An economic production lot size model for randomly imperfect production system with stock-dependent demand and rework. International Journal of Operational Research, 2018, 33, 315.	0.2	1
118	A two-warehouse multi-item supply chain with stock dependent promotional demand under joint replenishment policy: a mixed-mode ABC approach. International Journal of Systems Science: Operations and Logistics, 2021, 8, 262-282.	3.0	1
119	A multi-objective antlion optimizer for the ring tree problem with secondary sub-depots. Operational Research, 0, , 1.	2.0	1
120	4-Dimensional Transportation Problem for Substitute and Complementary Items Under Rough Environment. Studies in Computational Intelligence, 2020, , 855-872.	0.9	1
121	Multi-item fuzzy inventory problem with space constraint via geometric programming method. Yugoslav Journal of Operations Research, 2006, 16, 55-66.	0.8	1
122	Multi-item two-stage fixed-charge 4DTP with hybrid random type-2 fuzzy variable. Soft Computing, 2021, 25, 15083-15114.	3.6	1
123	Constrained solid travelling salesman problem using Adaptive Genetic Algorithm in uncertain environment. , 2015, , .		0
124	An EPL model with reliability-dependent randomly imperfect production system overÂdifferent uncertain finite time horizons. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1481-1497.	1.4	0
125	Joint replenishment models with ramp demands and price dependent substitute ratio during stock-out. International Journal of Operational Research, 2018, 33, 82.	0.2	0
126	Joint replenishment model of both-ways and one-way substitution among products in fixed time horizon. International Journal of Mathematics in Operational Research, 2019, 14, 30.	0.2	0

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127	A Restricted Multi-Objective Solid Transportation Problem with Budget Constraint Involving Stochastic Variable and Interval Type-2 Fuzzy Number. New Mathematics and Natural Computation, 0, , 1-27.	0.7	0
128	Constrained Solid Travelling Salesman Problem Solving by Rough GA Under Bi-Fuzzy Coefficients. Advances in Intelligent Systems and Computing, 2016, , 425-440.	0.6	0