Manoranjan Maiti

List of Publications by Year
in descending order

128 papers	2,705 citations	159585 30 h-index	233421 45 g-index
130 all docs	130 docs citations	130 times ranked	1079 citing authors

#	ARTICLE	IF	CITATIONS
1	Fully fuzzy multi-item two-stage fixed charge four-dimensional transportation problems with flexible constraints. Granular Computing, 2022, 7, 779-797.	8.0	3
2	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
3	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
4	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
5	Inventory of a deteriorating green product with preservation technology cost using a hybrid algorithm. Soft Computing, 2021, 25, 11621-11636.	3.6	3
6	Multi-item two-stage fixed-charge 4DTP with hybrid random type-2 fuzzy variable. Soft Computing, 2021, 25, 15083-15114.	3.6	1
7	Bundle pricing strategies for two complementary products with different channel powers. Annals of Operations Research, 2020, 287, 701-725.	4.1	25
8	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
9	EPL models with fuzzy imperfect production system including carbon emission: a fuzzy differential equation approach. Soft Computing, 2020, 24, 1293-1313.	3.6	12
10	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
11	Green 4D transportation problems with breakable incompatible items under type-2 fuzzy-random environment. Journal of Cleaner Production, 2020, 275, 122376.	9.3	10
12	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
13	Fixed charge 4D-TP for a breakable item under hybrid random type-2 uncertain environments. Information Sciences, 2020, 527, 128-158.	6.9	12
14	4-Dimensional Transportation Problem for Substitute and Complementary Items Under Rough Environment. Studies in Computational Intelligence, 2020, , 855-872.	0.9	1
15	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
16	A supply chain of deteriorating items with variable demand. Journal of Intelligent and Fuzzy Systems, 2019, 37, 565-581.	1.4	2
17	A solid transportation problem in uncertain environment involving type-2 fuzzy variable. Neural Computing and Applications, 2019, 31, 4903-4927.	5.6	10
18	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

#	Article	IF	Citations
19	Constrained FC 4D MITPs for Damageable Substitutable and Complementary Items in Rough Environments. Mathematics, 2019, 7, 281.	2.2	3
20	An EOQ model for deteriorating item with promotional effort and credit linked demand. European Journal of Industrial Engineering, 2019, 13, 368.	0.8	4
21	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
22	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
23	Constrained covering solid travelling salesman problems in uncertain environment. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 125-141.	4.9	13
24	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
25	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
26	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
27	A Hybrid Heuristic for Restricted 4-Dimensional TSP (r-4DTSP). Springer Proceedings in Mathematics and Statistics, 2018, , 285-302.	0.2	1
28	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
29	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
30	An appropriate business strategy for a sale item. Opsearch, 2018, 55, 85-106.	1.8	3
31	Defuzzification and application of trapezoidal type-2 fuzzy variables to green solid transportation problem. Soft Computing, 2018, 22, 2275-2297.	3.6	36
32	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
33	Multi-item multi-stage transportation problem with breakability. International Journal of Operational Research, 2018, 31, 510.	0.2	2
34	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
35	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
36	Rough Genetic Algorithm for Constrained Solid TSP with Interval Valued Costs and Times. Fuzzy Information and Engineering, 2018, 10, 145-177.	1.7	5

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37	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
38	Multi-item 4D-TPs under budget constraint using rough interval. Applied Soft Computing Journal, 2018, 71, 364-385.	7.2	23
39	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
40	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
41	A solid transportation model with product blending and parameters as rough variables. Soft Computing, 2017, 21, 2297-2306.	3.6	22
42	A Profit Maximizing Solid Transportation Model Under a Rough Interval Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 485-498.	9.8	39
43	An intelligent hybrid algorithm for 4- dimensional TSP. Journal of Industrial Information Integration, 2017, 5, 39-50.	6.4	7
44	A supply chain with variable demand under three level trade credit policy. Computers and Industrial Engineering, 2017, 106, 205-221.	6.3	29
45	Three level partial trade credit with promotional cost sharing. Applied Soft Computing Journal, 2017, 58, 553-575.	7.2	21
46	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
47	Imprecise Constrained Covering Solid Travelling Salesman Problem with Credibility. Communications in Computer and Information Science, 2017, , 181-195.	0.5	1
48	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
49	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
50	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
51	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
52	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
53	A multi-objective post-disaster relief logistic model. , 2017, , .		6
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	The grey linear programming approach and its application to multi-objective multi-stage solid transportation problem. Opsearch, 2016, 53, 500-522.	1.8	8
62	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
63	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
64	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
65	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
66	Constrained solid travelling salesman problem using Adaptive Genetic Algorithm in uncertain environment. , 2015, , .		0
67	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
68	Profit maximization of TSP through a hybrid algorithm. Computers and Industrial Engineering, 2015, 88, 229-236.	6.3	30
69	Breakable Fuzzy Multi-stage Transportation Problem. Journal of the Operations Research Society of China, 2015, 3, 53-67.	1.4	9
70	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
71	Multi-item solid transportation problem with type-2 fuzzy parameters. Applied Soft Computing Journal, 2015, 31, 61-80.	7.2	51
72	A Modified Genetic Algorithm for solving uncertain Constrained Solid Travelling Salesman Problems. Computers and Industrial Engineering, 2015, 83, 273-296.	6.3	32

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73	Fully fuzzy fixed charge multi-item solid transportation problem. Applied Soft Computing Journal, 2015, 27, 77-91.	7.2	60
74	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
75	Multi-objective solid transportation problems with budget constraint in uncertain environment. International Journal of Systems Science, 2014, 45, 1668-1682.	5.5	60
76	A transportation problem with fuzzy-stochastic cost. Applied Mathematical Modelling, 2014, 38, 1464-1481.	4.2	30
77	Entropy based solid transportation problems with discounted unit costs under fuzzy random environment. Opsearch, 2014, 51, 479-532.	1.8	5
78	Fixed charge transportation problem with type-2 fuzzy variables. Information Sciences, 2014, 255, 170-186.	6.9	104
79	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
80	A fuzzy MCDM method and an application to solid transportation problem with mode preference. Soft Computing, 2014, 18, 1853-1864.	3.6	16
81	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
82	Fuzzy stochastic solid transportation problem using fuzzy goal programming approach. Computers and Industrial Engineering, 2014, 72, 160-168.	6.3	31
83	Multi-item partial backlogging inventory models over random planninghorizon in random fuzzy environment. Applied Soft Computing Journal, 2014, 21, 12-27.	7.2	42
84	Inventory policy of a deteriorating item with variable demand under trade credit period. Computers and Industrial Engineering, 2014, 76, 75-88.	6.3	24
85	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
86	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
87	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
88	Multi-objective multi-item solid transportation problem in fuzzy environment. Applied Mathematical Modelling, 2013, 37, 2028-2038.	4.2	101
89	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
90	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

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91	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
92	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
93	A multi-item transportation problem with fuzzy tolerance. Applied Soft Computing Journal, 2013, 13, 3703-3712.	7.2	30
94	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
95	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
96	A solid transportation problem with fuzzy random costs and constraints. International Journal of Mathematics in Operational Research, 2012, 4, 651.	0.2	4
97	Inventory Policy with Stock, Price and Credit-Linked Demand. International Journal of Strategic Decision Sciences, 2012, 3, 47-65.	0.0	12
98	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
99	Transportation policies for single and multi-objective transportation problem using fuzzy logic. Mathematical and Computer Modelling, 2011, 53, 1637-1646.	2.0	20
100	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
101	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
102	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
103	Inventory models for breakable items with stock dependent demand and imprecise constraints. Mathematical and Computer Modelling, 2010, 52, 1771-1782.	2.0	12
104	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
105	A production-recycling-inventory model with learning effect. Optimization and Engineering, 2009, 10, 427-438.	2.4	9
106	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
107	A production–inventory model with remanufacturing for defective and usable items in fuzzy-environment. Computers and Industrial Engineering, 2009, 56, 87-96.	6.3	67
108	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

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109	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
110	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
111	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
112	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
113	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
114	Determination of withdrawal schedule in single-species cultivation via genetic algorithm. Applied Mathematics and Computation, 2007, 188, 322-331.	2.2	2
115	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
116	Two storage inventory model with fuzzy deterioration over a random planning horizon. Mathematical and Computer Modelling, 2007, 46, 1419-1433.	2.0	37
117	Two storage inventory model in a mixed environment. Fuzzy Optimization and Decision Making, 2007, 6, 391-426.	5.5	9
118	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
119	Inventory model of deteriorated items with a constraint: A geometric programming approach. European Journal of Operational Research, 2006, 173, 199-210.	5.7	40
120	Fuzzy inventory model with two warehouses under possibility constraints. Fuzzy Sets and Systems, 2006, 157, 52-73.	2.7	108
121	Multi-item shelf-space allocation of breakable items via genetic algorithm. Journal of Applied Mathematics and Computing, 2006, 20, 327-343.	2.5	9
122	Multi-item fuzzy inventory problem with space constraint via geometric programming method. Yugoslav Journal of Operations Research, 2006, 16, 55-66.	0.8	1
123	Multi-objective fuzzy inventory model with three constraints: a geometric programming approach. Fuzzy Sets and Systems, 2005, 150, 87-106.	2.7	77
124	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
125	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
126	An inventory system of ameliorating items for price dependent demand rate. Computers and Industrial Engineering, 2003, 45, 443-456.	6.3	80

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127	A multi-objective antlion optimizer for the ring tree problem with secondary sub-depots. Operational Research, 0, , 1.	2.0	1
128	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