Debjani Chakraborty

List of Publications by Year
in descending order

92 papers	1,949 citations	279487 23 h-index	264894 42 g-index
97 all docs	97 docs citations	97 times ranked	1461 citing authors

#	Article	IF	Citations
1	The Bonferroni mean-type pre-aggregation operators construction and generalization: Application to edge detection. Information Fusion, 2022, 80, 226-240.	11.7	13
2	A novel multi-objective bi-level programming problem under intuitionistic fuzzy environment and its application in production planning problem. Complex & Intelligent Systems, 2022, 8, 3263-3278.	4.0	6
3	Conceptualizing fuzzy line as a collection of fuzzy points. Information Sciences, 2022, 598, 86-100.	4.0	2
4	Evaluation of biomolecular interactions and cytotoxic activity of organometallic binuclear Ru(II) complexes of ferrocenyl thiosemicarbazones. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6044-6055.	2.0	4
5	Multifractal Alterations in Oral Sub-Epithelial Connective Tissue During Progression of Pre-Cancer and Cancer. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 152-162.	3.9	7
6	A production inventory model for deteriorating items with backlog-dependent demand. RAIRO - Operations Research, 2021, 55, S549-S570.	1.0	7
7	A Branch-and-Bound-based solution method for solving vehicle routing problem with fuzzy stochastic demands. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	4
8	Integrated optimization of inventory, replenishment and vehicle routing for a sustainable supply chain under carbon emission regulations. Journal of Cleaner Production, 2021, 316, 128256.	4.6	27
9	Designing a single-vendor and multiple-buyers' integrated production inventory model for interval type-2 fuzzy demand and fuzzy rule based deterioration. RAIRO - Operations Research, 2021, 55, 3715-3742.	1.0	3
10	Cooperative sustainable supply chain for deteriorating item and imperfect production under different carbon emission regulations. Journal of Cleaner Production, 2020, 272, 122170.	4.6	61
11	Process of Inversion in Fuzzy Interpolation Model using Fuzzy Geometry. , 2020, , .		3
12	A new family of Bonferroni mean-type pre-aggregation operators. , 2020, , .		0
13	Generalized hesitant fuzzy information fusion using extended partitioned Bonferroni mean operator with application in decision-making. Computational and Applied Mathematics, 2020, 39, 1.	1.0	3
14	On the distribution-free continuous-review production-inventory model with service level constraint. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	2
15	Solving the shortest path problem in an imprecise and random environment. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	4
16	An EPQ Model for Deteriorating Items With Imperfect Production, Two Types of Inspection Errors and Rework Under Complete Backordering. International Game Theory Review, 2020, 22, 2040011.	0.3	8
17	Generalization and extension of partitioned Bonferroni mean operator to model optional prerequisites. International Journal of Intelligent Systems, 2020, 35, 891-919.	3.3	4
18	Malignant potentiality assessment of oral submucous fibrosis through semi-quantitative approach. Journal of Oral and Maxillofacial Pathology, 2020, 24, 188.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Solving Knapsack Problem with Fuzzy Random Variable Coefficients. Learning and Analytics in Intelligent Systems, 2020, , 1037-1048.	0.5	2
20	Modified fuzzy c-mean for custom-sized clusters. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	5
21	An EPQ model for deteriorating items with imperfect production, inspection errors, rework and shortages : a type-2 fuzzy approach. Opsearch, 2019, 56, 657-688.	1.1	25
22	Design, synthesis and in vitro bioactivity of mixed ligand Ru(II) complexes bearing the fluoroquinolone antibacterial agents. Transition Metal Chemistry, 2019, 44, 721-735.	0.7	1
23	Elucidation of Differential Nano-Textural Attributes for Normal Oral Mucosa and Pre-Cancer. Microscopy and Microanalysis, 2019, 25, 1224-1233.	0.2	1
24	Binuclear ruthenium(II) complexes of 4,4â€²-azopyridine bridging ligand as anticancer agents: synthesis, characterization, and <i>in vitro</i> cytotoxicity studies. Journal of Coordination Chemistry, 2019, 72, 2617-2635.	0.8	4
25	Fuzzy Triangle and Fuzzy Trigonometry. Studies in Fuzziness and Soft Computing, 2019, , 93-114.	0.6	0
26	Fuzzy Circle. Studies in Fuzziness and Soft Computing, 2019, , 115-143.	0.6	0
27	Fuzzy Line. Studies in Fuzziness and Soft Computing, 2019, , 53-91.	0.6	0
28	Linear fuzzy rule base interpolation using fuzzy geometry. International Journal of Approximate Reasoning, 2019, 112, 105-118.	1.9	8
29	Fuzzy Pareto Optimality. Studies in Fuzziness and Soft Computing, 2019, , 173-202.	0.6	0
30	On the distribution-free continuous review (Q, r, L) inventory model with lead-time-dependent partial backlogging. International Journal of Management Science and Engineering Management, 2019, 14, 273-283.	2.6	4
31	Bi-level optimization based on fuzzy if-then rule. Croatian Operational Research Review, 2019, 10, 315-328.	0.6	3
32	A Fuzzy Random Continuous (Q,Âr,ÂL) Inventory Model Involving Controllable Back-order Rate and Variable Lead-Time with Imprecise Chance Constraint. Springer Proceedings in Mathematics and Statistics, 2018, , 263-279.	0.1	0
33	A Semi-automated Fuzzy Multi-criteria Decision Support System for Radiological Diagnosis of Lung Cancer. , 2018, , .		1
34	Fuzzy geometry: Perpendicular to fuzzy line segment. Information Sciences, 2018, 468, 213-225.	4.0	9
35	A Study on Fuzzy Triangle and Fuzzy Trigonometric Properties. Springer Proceedings in Mathematics and Statistics, 2018, , 341-359.	0.1	2
36	Parasitics-Assisted Soft-Switching and Secondary Modulated Snubberless Clamping Current-Fed Bidirectional Voltage Doubler for Fuel Cell Vehicles. IEEE Transactions on Vehicular Technology, 2017, 66, 1053-1062.	3.9	22

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37	Quadratic Interpolation Technique to Minimize Univariable Fuzzy Functions. International Journal of Applied and Computational Mathematics, 2017, 3, 527-547.	0.9	6
38	Solving bi-level programming problem with fuzzy random variable coefficients. Journal of Intelligent and Fuzzy Systems, 2017, 32, 521-528.	0.8	14
39	A Continuous Review Inventory Model with Fuzzy Service Level Constraint and Fuzzy Random Variable Parameters. International Journal of Applied and Computational Mathematics, 2017, 3, 3159-3174.	0.9	8
40	A method to solve separable fuzzy nonlinear programming problem. International Journal of Operational Research, 2017, 29, 360.	0.1	2
41	Transfer learning based classification of optical coherence tomography images with diabetic macular edema and dry age-related macular degeneration. Biomedical Optics Express, 2017, 8, 579.	1.5	237
42	Learning representations through ensemble of fuzzy c-means for identification of retinal pathologies. , 2017, , .		1
43	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.	0.1	7
44	Simultaneous reconstruction and restoration of sparsely sampled optical coherence tomography image through learning separable filters for deep architectures. , 2016, , .		0
45	A fuzzy random EPQ model with fuzzy defective rates and fuzzy inspection errors. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3527-3541.	0.8	8
46	Retinal layer delineation through learning of tissue photon interaction in optical coherence tomography. , 2016, , .		0
47	Analytical fuzzy plane geometry III. Fuzzy Sets and Systems, 2016, 283, 83-107.	1.6	25
48	Application of fuzzy consensus for oral pre-cancer and cancer susceptibility assessment. Egyptian Informatics Journal, 2016, 17, 251-263.	4.4	6
49	Multi-objective optimization problem under fuzzy rule constraints using particle swarm optimization. Soft Computing, 2016, 20, 2245-2259.	2.1	20
50	Parasitics assisted soft-switching and secondary-clamped current-fed bidirectional voltage doubler for fuel cell vehicles. , 2015, , .		0
51	Parasitics assisted soft-switching and naturally commutated current-fed bidirectional push-pull voltage doubler. , 2015, , .		6
52	On general form of fuzzy lines and its application in fuzzy line fitting. Journal of Intelligent and Fuzzy Systems, 2015, 29, 659-671.	0.8	11
53	Solving geometric programming problems with fuzzy random variable coefficients. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2493-2499.	0.8	5
54	A method for capturing the entire fuzzy non-dominated set of a fuzzy multi-criteria optimization problem. Fuzzy Sets and Systems, 2015, 272, 1-29.	1.6	15

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55	A direction based classical method to obtain complete Pareto set of multi-criteria optimization problems. Opsearch, 2015, 52, 340-366.	1.1	7
56	Ruthenium complexes of ferrocene mannich bases: DNA/BSA interactions and cytotoxicity against A549 cell line. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 305, 1-10.	2.0	32
57	A Dynamic Programming Algorithm for Solving Bi-Objective Fuzzy Knapsack Problem. Springer Proceedings in Mathematics and Statistics, 2015, , 289-306.	0.1	3
58	A Fuzzy Random Periodic Review Inventory Model Involving Controllable Back-Order Rate and Variable Lead-Time. Springer Proceedings in Mathematics and Statistics, 2015, , 307-320.	0.1	2
59	On Fuzzy Ideal Cone Method to Capture Entire Fuzzy Nondominated Set of Fuzzy Multi-criteria Optimization Problems with Fuzzy Parameters. Springer Proceedings in Mathematics and Statistics, 2015, , 249-260.	0.1	0
60	A new method to obtain fuzzy Pareto set of fuzzy multi-criteria optimization problems. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1223-1234.	0.8	10
61	Analytical fuzzy plane geometry II. Fuzzy Sets and Systems, 2014, 243, 84-109.	1.6	32
62	A new Pareto set generating method for multi-criteria optimization problems. Operations Research Letters, 2014, 42, 514-521.	0.5	18
63	Ideal Cone: A New Method to Generate Complete Pareto Set of Multi-criteria Optimization Problems. Springer Proceedings in Mathematics and Statistics, 2014, , 171-190.	0.1	4
64	Learning scale-space representation of nucleus for accurate localization and segmentation of epithelial squamous nuclei in cervical smears. , 2014, , .		3
65	Fuzzy ideal cone: A method to obtain complete fuzzy non-dominated set of fuzzy multi-criteria optimization problems with fuzzy parameters. , 2013, , .		6
66	Multi-objective optimization based on fuzzy if-then rules. , 2013, , .		2
67	A single period inventory model with a truncated normally distributed fuzzy random variable demand. International Journal of Systems Science, 2012, 43, 518-525.	3.7	17
68	A fuzzy random periodic review system: a technique for real-life application. International Journal of Operational Research, 2012, 13, 395.	0.1	4
69	Analytical fuzzy plane geometry I. Fuzzy Sets and Systems, 2012, 209, 66-83.	1.6	45
70	Facile synthesis and altered ionization efficiency of diverse NÎμ-alkyllysine-containing peptides. Chemical Communications, 2012, 48, 1514-1516.	2.2	3
71	A fuzzy random periodic review system with variable lead-time and negative exponential crashing cost. Applied Mathematical Modelling, 2012, 36, 6312-6322.	2.2	28
72	Isolation and expression analysis of partial sequences of heavy metal transporters from Brassica juncea by coupling high throughput cloning with a molecular fingerprinting technique. Planta, 2011, 234, 139-156.	1.6	29

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73	Fuzzy multi attribute group decision making method to achieve consensus under the consideration of degrees of confidence of experts' opinions. Computers and Industrial Engineering, 2011, 60, 493-504.	3.4	53
74	A fuzzy random continuous review inventory system. International Journal of Production Economics, 2011, 132, 101-106.	5.1	27
75	A new approach to fuzzy distance measure and similarity measure between two generalized fuzzy numbers. Applied Soft Computing Journal, 2010, 10, 90-99.	4.1	123
76	Incorporating one-way substitution policy into the newsboy problem with imprecise customer demand. European Journal of Operational Research, 2010, 200, 99-110.	3.5	55
77	A Theoretical Development of Distance Measure for Intuitionistic Fuzzy Numbers. International Journal of Mathematics and Mathematical Sciences, 2010, 2010, 1-25.	0.3	46
78	Analyzing important ground water parameters in West Bengal with a fuzzy approach in the context of arsenic pollution. , 2010, , .		0
79	A production inventory model with fuzzy random demand and with flexibility and reliability considerations. Computers and Industrial Engineering, 2009, 56, 411-416.	3.4	67
80	Fuzzy periodic review system with fuzzy random variable demand. European Journal of Operational Research, 2009, 198, 113-120.	3.5	45
81	FUZZY LINEAR AND POLYNOMIAL REGRESSION MODELLING OF 'IF-THEN' FUZZY RULEBASE. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2008, 16, 219-232.	0.9	12
82	Fuzzy rule base for consumer trustworthiness in Internet marketing: An interactive fuzzy rule classification approach. Intelligent Data Analysis, 2007, 11, 339-353.	0.4	4
83	A fuzzy clustering methodology for linguistic opinions in group decision making. Applied Soft Computing Journal, 2007, 7, 858-869.	4.1	42
84	An inventory model for single-period products with reordering opportunities under fuzzy demand. Computers and Mathematics With Applications, 2007, 53, 1502-1517.	1.4	46
85	Continuous review inventory model in mixed fuzzy and stochastic environment. Applied Mathematics and Computation, 2007, 188, 970-980.	1.4	59
86	A theoretical development on a fuzzy distance measure for fuzzy numbers. Mathematical and Computer Modelling, 2006, 43, 254-261.	2.0	81
87	A single-period inventory model with fuzzy random variable demand. Mathematical and Computer Modelling, 2005, 41, 915-922.	2.0	135
88	A decision scheme based on OWA operator for an evaluation programme: an approximate reasoning approach. Applied Soft Computing Journal, 2004, 5, 45-53.	4.1	17
89	Redefining chance-constrained programming in fuzzy environment. Fuzzy Sets and Systems, 2002, 125, 327-333.	1.6	33
90	Interpretation of inequality constraints involving interval coefficients and a solution to interval linear programming. Fuzzy Sets and Systems, 2001, 119, 129-138.	1.6	215

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91	Structural quantization of vagueness in linguistic expert opinions in an evaluation programme. Fuzzy Sets and Systems, 2001, 119, 171-186.	1.6	19
92	Fuzzy Stochastic Capacitated Vehicle Routing Problem and Its Applications. International Journal of Fuzzy Systems, 0, , 1.	2.3	3