Debjani Chakraborty

List of Publications by Year
in descending order

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92	1,949	279487 23	264894 42
papers	citations	h-index	g-index

97	97	97	1461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	A single-period inventory model with fuzzy random variable demand. Mathematical and Computer Modelling, 2005, 41, 915-922.	2.0	135
4	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
5	A theoretical development on a fuzzy distance measure for fuzzy numbers. Mathematical and Computer Modelling, 2006, 43, 254-261.	2.0	81
6	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
7	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
8	Continuous review inventory model in mixed fuzzy and stochastic environment. Applied Mathematics and Computation, 2007, 188, 970-980.	1.4	59
9	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
10	Fuzzy multi attribute group decision making method to achieve consensus under the consideration of degrees of confidence of expertsâ€™ opinions. Computers and Industrial Engineering, 2011, 60, 493-504.	3.4	53
11	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
12	A Theoretical Development of Distance Measure for Intuitionistic Fuzzy Numbers. International Journal of Mathematics and Mathematical Sciences, 2010, 2010, 1-25.	0.3	46
13	Fuzzy periodic review system with fuzzy random variable demand. European Journal of Operational Research, 2009, 198, 113-120.	3.5	45
14	Analytical fuzzy plane geometry I. Fuzzy Sets and Systems, 2012, 209, 66-83.	1.6	45
15	A fuzzy clustering methodology for linguistic opinions in group decision making. Applied Soft Computing Journal, 2007, 7, 858-869.	4.1	42
16	Redefining chance-constrained programming in fuzzy environment. Fuzzy Sets and Systems, 2002, 125, 327-333.	1.6	33
17	Analytical fuzzy plane geometry II. Fuzzy Sets and Systems, 2014, 243, 84-109.	1.6	32
18	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

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19	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
20	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
21	A fuzzy random continuous review inventory system. International Journal of Production Economics, 2011, 132, 101-106.	5.1	27
22	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
23	Analytical fuzzy plane geometry III. Fuzzy Sets and Systems, 2016, 283, 83-107.	1.6	25
24	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
25	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
26	Multi-objective optimization problem under fuzzy rule constraints using particle swarm optimization. Soft Computing, 2016, 20, 2245-2259.	2.1	20
27	Structural quantization of vagueness in linguistic expert opinions in an evaluation programme. Fuzzy Sets and Systems, 2001, 119, 171-186.	1.6	19
28	A new Pareto set generating method for multi-criteria optimization problems. Operations Research Letters, 2014, 42, 514-521.	0.5	18
29	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
30	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
31	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
32	Solving bi-level programming problem with fuzzy random variable coefficients. Journal of Intelligent and Fuzzy Systems, 2017, 32, 521-528.	0.8	14
33	The Bonferroni mean-type pre-aggregation operators construction and generalization: Application to edge detection. Information Fusion, 2022, 80, 226-240.	11.7	13
34	FUZZY LINEAR AND POLYNOMIAL REGRESSION MODELLING OF â€˜IF-THENâ€™ FUZZY RULEBASE. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2008, 16, 219-232.	0.9	12
35	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
36	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

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37	Fuzzy geometry: Perpendicular to fuzzy line segment. Information Sciences, 2018, 468, 213-225.	4.0	9
38	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
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	Linear fuzzy rule base interpolation using fuzzy geometry. International Journal of Approximate Reasoning, 2019, 112, 105-118.	1.9	8
41	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
42	A direction based classical method to obtain complete Pareto set of multi-criteria optimization problems. Opsearch, 2015, 52, 340-366.	1.1	7
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	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
45	A production inventory model for deteriorating items with backlog-dependent demand. RAIRO - Operations Research, 2021, 55, S549-S570.	1.0	7
46	Fuzzy ideal cone: A method to obtain complete fuzzy non-dominated set of fuzzy multi-criteria optimization problems with fuzzy parameters. , 2013, , .		6
47	Parasitics assisted soft-switching and naturally commutated current-fed bidirectional push-pull voltage doubler. , 2015, , .		6
48	Application of fuzzy consensus for oral pre-cancer and cancer susceptibility assessment. Egyptian Informatics Journal, 2016, 17, 251-263.	4.4	6
49	Quadratic Interpolation Technique to Minimize Univariable Fuzzy Functions. International Journal of Applied and Computational Mathematics, 2017, 3, 527-547.	0.9	6
50	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
51	Solving geometric programming problems with fuzzy random variable coefficients. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2493-2499.	0.8	5
52	Modified fuzzy c-mean for custom-sized clusters. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	5
53	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
54	A fuzzy random periodic review system: a technique for real-life application. International Journal of Operational Research, 2012, 13, 395.	0.1	4

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55	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
56	Binuclear ruthenium(II) complexes of 4,4â€²-azopyridine bridging ligand as anticancer agents: synthesis, characterization, and in vitro cytotoxicity studies. Journal of Coordination Chemistry, 2019, 72, 2617-2635.	0.8	4
57	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
58	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
59	Solving the shortest path problem in an imprecise and random environment. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	4
60	Generalization and extension of partitioned Bonferroni mean operator to model optional prerequisites. International Journal of Intelligent Systems, 2020, 35, 891-919.	3.3	4
61	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
62	Facile synthesis and altered ionization efficiency of diverse NÎµ-alkyllysine-containing peptides. Chemical Communications, 2012, 48, 1514-1516.	2.2	3
63	Learning scale-space representation of nucleus for accurate localization and segmentation of epithelial squamous nuclei in cervical smears. , 2014, , .		3
64	A Dynamic Programming Algorithm for Solving Bi-Objective Fuzzy Knapsack Problem. Springer Proceedings in Mathematics and Statistics, 2015, , 289-306.	0.1	3
65	Bi-level optimization based on fuzzy if-then rule. Croatian Operational Research Review, 2019, 10, 315-328.	0.6	3
66	Process of Inversion in Fuzzy Interpolation Model using Fuzzy Geometry. , 2020, , .		3
67	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
68	Fuzzy Stochastic Capacitated Vehicle Routing Problem and Its Applications. International Journal of Fuzzy Systems, 0, , 1.	2.3	3
69	Designing a single-vendor and multiple-buyersâ€™ 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
70	Multi-objective optimization based on fuzzy if-then rules. , 2013, , .		2
71	A method to solve separable fuzzy nonlinear programming problem. International Journal of Operational Research, 2017, 29, 360.	0.1	2
72	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

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73	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
74	A Study on Fuzzy Triangle and Fuzzy Trigonometric Properties. Springer Proceedings in Mathematics and Statistics, 2018, , 341-359.	0.1	2
75	Solving Knapsack Problem with Fuzzy Random Variable Coefficients. Learning and Analytics in Intelligent Systems, 2020, , 1037-1048.	0.5	2
76	Conceptualizing fuzzy line as a collection of fuzzy points. Information Sciences, 2022, 598, 86-100.	4.0	2
77	Learning representations through ensemble of fuzzy c-means for identification of retinal pathologies. , 2017, , .		1
78	A Semi-automated Fuzzy Multi-criteria Decision Support System for Radiological Diagnosis of Lung Cancer. , 2018, , .		1
79	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
80	Elucidation of Differential Nano-Textural Attributes for Normal Oral Mucosa and Pre-Cancer. Microscopy and Microanalysis, 2019, 25, 1224-1233.	0.2	1
81	Analyzing important ground water parameters in West Bengal with a fuzzy approach in the context of arsenic pollution. , 2010, , .		0
82	Parasitics assisted soft-switching and secondary-clamped current-fed bidirectional voltage doubler for fuel cell vehicles. , 2015, , .		0
83	Simultaneous reconstruction and restoration of sparsely sampled optical coherence tomography image through learning separable filters for deep architectures. , 2016, , .		0
84	Retinal layer delineation through learning of tissue photon interaction in optical coherence tomography. , 2016, , .		0
85	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
86	Fuzzy Triangle and Fuzzy Trigonometry. Studies in Fuzziness and Soft Computing, 2019, , 93-114.	0.6	0
87	Fuzzy Circle. Studies in Fuzziness and Soft Computing, 2019, , 115-143.	0.6	0
88	Fuzzy Line. Studies in Fuzziness and Soft Computing, 2019, , 53-91.	0.6	0
89	Fuzzy Pareto Optimality. Studies in Fuzziness and Soft Computing, 2019, , 173-202.	0.6	0
90	A new family of Bonferroni mean-type pre-aggregation operators. , 2020, , .		0

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91	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
92	Malignant potentiality assessment of oral submucous fibrosis through semi-quantitative approach. Journal of Oral and Maxillofacial Pathology, 2020, 24, 188.	0.3	0