Pranab Kumar Muhuri

List of Publications by Year
in descending order

99 papers	1,868 citations	331538 21 h-index	330025 37 g-index
102 all docs	102 docs citations	102 times ranked	1380 citing authors

#	ARTICLE	IF	CITATIONS
1	Industry 4.0: A bibliometric analysis and detailed overview. Engineering Applications of Artificial Intelligence, 2019, 78, 218-235.	4.3	341
2	Metaheuristics: a comprehensive overview and classification along with bibliometric analysis. Artificial Intelligence Review, 2021, 54, 4237-4316.	9.7	112
3	Engineering applications of artificial intelligence: A bibliometric analysis of 30 years (1988â€"2018). Engineering Applications of Artificial Intelligence, 2019, 85, 517-532.	4.3	78
4	Big-data clustering with interval type-2 fuzzy uncertainty modeling in gene expression datasets. Engineering Applications of Artificial Intelligence, 2019, 77, 268-282.	4.3	59
5	A Novel Image Steganographic Method based on Integer Wavelet Transformation and Particle Swarm Optimization. Applied Soft Computing Journal, 2020, 92, 106257.	4.1	52
6	Multi-factorial evolutionary algorithm based novel solution approach for multi-objective pollution-routing problem. Computers and Industrial Engineering, 2019, 130, 757-771.	3.4	44
7	Energy efficient multi-objective scheduling of tasks with interval type-2 fuzzy timing constraints in an Industry 4.0 ecosystem. Engineering Applications of Artificial Intelligence, 2020, 87, 103257.	4.3	42
8	Applied soft computing: A bibliometric analysis of the publications and citations during (2004â€"2016). Applied Soft Computing Journal, 2018, 69, 381-392.	4.1	41
9	Real-time task scheduling with fuzzy uncertainty in processing times and deadlines. Applied Soft Computing Journal, 2008, 8, 1-13.	4.1	40
10	Novel Adaptive Clustering Algorithms Based on a Probabilistic Similarity Measure Over Atanassov Intuitionistic Fuzzy Set. IEEE Transactions on Fuzzy Systems, 2018, 26, 3715-3729.	6.5	40
11	Multi-objective Reliability-Redundancy Allocation Problem with Interval Type-2 Fuzzy Uncertainty. IEEE Transactions on Fuzzy Systems, 2017, , 1-1.	6.5	37
12	Semi-elliptic membership function: Representation, generation, operations, defuzzification, ranking and its application to the real-time task scheduling problem. Engineering Applications of Artificial Intelligence, 2017, 60, 71-82.	4.3	34
13	Veracity handling and instance reduction in big data using interval type-2 fuzzy sets. Engineering Applications of Artificial Intelligence, 2020, 88, 103315.	4.3	30
14	A novel GDP prediction technique based on transfer learning using CO2 emission dataset. Applied Energy, 2019, 253, 113476.	5.1	28
15	A bibliometric analysis and cutting-edge overview on fuzzy techniques in Big Data. Engineering Applications of Artificial Intelligence, 2020, 92, 103625.	4.3	28
16	A convergence theorem and an experimental study of intuitionistic fuzzy c-mean algorithm over machine learning dataset. Applied Soft Computing Journal, 2018, 71, 1176-1188.	4.1	24
17	A Scientometric Study of Neurocomputing Publications (1992â€"2018): An Aerial Overview of Intrinsic Structure. Publications, 2018, 6, 32.	1.9	24
18	A Bibliometric Overview of the Field of Type-2 Fuzzy Sets and Systems [Discussion Forum]. IEEE Computational Intelligence Magazine, 2020, 15, 89-98.	3.4	24

#	Article	IF	Citations
19	Real-time scheduling of periodic tasks with processing times and deadlines as parametric fuzzy numbers. Applied Soft Computing Journal, 2009, 9, 936-946.	4.1	23
20	A bibliometric overview of the Journal of Network and Computer Applications between 1997 and 2019. Journal of Network and Computer Applications, 2020, 165, 102695.	5.8	23
21	Fuzzy multi-objective reliability-redundancy allocation problem. , 2014, , .		22
22	Multi-robot coalition formation problem: Task allocation with adaptive immigrants based genetic algorithms. , 2016, , .		22
23	Immigrants Based Adaptive Genetic Algorithms for Task Allocation in Multi-Robot Systems. International Journal of Computational Intelligence and Applications, 2017, 16, 1750025.	0.6	22
24	User-Satisfaction-Aware Power Management in Mobile Devices Based on Perceptual Computing. IEEE Transactions on Fuzzy Systems, 2018, 26, 2311-2323.	6.5	22
25	General Type-2 fuzzy decision making and its application to travel time selection. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5227-5244.	0.8	22
26	Evolutionary Optimization based Solution approaches for Many Objective Reliability-Redundancy Allocation Problem. Reliability Engineering and System Safety, 2022, 220, 108190.	5.1	22
27	Energy efficient task scheduling with Type-2 fuzzy uncertainty. , 2015, , .		21
28	Interval type-2 fuzzy logic system based similarity evaluation for image steganography. Heliyon, 2020, 6, e03771.	1.4	21
29	Particle swam optimization based reliability-redundancy allocation in a type-2 fuzzy environment. , 2015, , .		20
30	On arrival scheduling of real-time precedence constrained tasks on multi-processor systems using genetic algorithm. Future Generation Computer Systems, 2019, 93, 702-726.	4.9	20
31	Perceptual computing based performance control mechanism for power efficiency in mobile embedded systems. , 2014, , .		19
32	A novel clustering algorithm based on a new similarity measure over Intuitionistic fuzzy sets. , 2015, , .		19
33	A Review of the Scopes and Challenges of the Modern Real-Time Operating Systems. International Journal of Embedded and Real-Time Communication Systems, 2018, 9, 66-82.	0.3	19
34	Type-2 fuzzy reliabilityâ€"redundancy allocation problem and its solution using particle-swarm optimization algorithm. Granular Computing, 2019, 4, 145-166.	4.4	19
35	NSGA-II based energy efficient scheduling in real-time embedded systems for tasks with deadlines and execution times as type-2 fuzzy numbers. , 2013, , .		18
36	Atanassov Intuitionistic Fuzzy Domain Adaptation to contain negative transfer learning. , 2016, , .		18

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37	Can altmetric mentions predict later citations? A test of validity on data from ResearchGate and three social media platforms. Online Information Review, 2021, 45, 517-536.	2.2	18
38	PIFHC: The Probabilistic Intuitionistic Fuzzy Hierarchical Clustering Algorithm. Applied Soft Computing Journal, 2022, 120, 108584.	4.1	17
39	Interval type-2 fuzzy sets for enhanced learning in deep belief networks. , 2017, , .		15
40	A novel evolutionary algorithmic solution approach for bilevel reliability-redundancy allocation problem. Reliability Engineering and System Safety, 2019, 191, 106531.	5.1	15
41	Interval-valued Intuitionistic Fuzzy TOPSIS method for Supplier Selection Problem. , 2020, , .		15
42	Thermal-aware power-efficient deadline based task allocation in multi-core processor. Journal of Computational Science, 2017, 19, 112-120.	1.5	14
43	Interval type-2 fuzzy demand based vendor managed inventory model. , 2017, , .		14
44	Real-time power aware scheduling for tasks with type-2 fuzzy timing constraints. , 2014, , .		13
45	NSGA-II based multi-objective pollution routing problem with higher order uncertainty. , 2017, , .		13
46	Industry 4.0: Latent Dirichlet Allocation and clustering based theme identification of bibliography. Engineering Applications of Artificial Intelligence, 2021, 103, 104280.	4.3	13
47	A Novel Intuitionistic Fuzzy Set Generator with Application to Clustering. , 2018, , .		12
48	A novel approach based on computing with words for monitoring the heart failure patients. Applied Soft Computing Journal, 2018, 72, 457-473.	4.1	12
49	An altmetric analysis of scholarly articles from India. Journal of Intelligent and Fuzzy Systems, 2018, 34, 3111-3118.	0.8	11
50	A novel solution approach for multiobjective linguistic optimization problems based on the 2-tuple fuzzy linguistic representation model. Applied Soft Computing Journal, 2020, 95, 106395.	4.1	11
51	Bayesian optimization algorithm for multi-objective scheduling of time and precedence constrained tasks in heterogeneous multiprocessor systems. Applied Soft Computing Journal, 2020, 92, 106274.	4.1	11
52	Interval Type-2 Fuzzy Vendor Managed Inventory System and Its Solution with Particle Swarm Optimization. International Journal of Fuzzy Systems, 2021, 23, 2080-2105.	2.3	11
53	Analysis of Streaming Clustering Using an Incremental Validity Index. , 2018, , .		10
54	A Novel Image Steganography Approach Based on Interval Type-2 Fuzzy Similarity. , 2018, , .		10

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55	Extended Tsukamoto's inference method for solving multi-objective linguistic optimization problems. Fuzzy Sets and Systems, 2019, 377, 102-124.	1.6	10
56	Anomaly based novel multi-source unsupervised transfer learning approach for carbon emission centric GDP prediction. Computers in Industry, 2021, 126, 103396.	5.7	10
57	Person Footprint of Uncertainty-Based CWW Model for Power Optimization in Handheld Devices. IEEE Transactions on Fuzzy Systems, 2020, 28, 558-568.	6.5	9
58	Energy Efficient Task Scheduling for Real-Time Embedded Systems in a Fuzzy Uncertain Environment. IEEE Transactions on Fuzzy Systems, 2021, 29, 1037-1051.	6.5	9
59	Multi-objective Bayesian optimization algorithm for real-time task scheduling on heterogeneous multiprocessors. , 2016, , .		8
60	Computing with words for student strategy evaluation in an examination. Granular Computing, 2019, 4, 167-184.	4.4	8
61	NeSiFC: Neighbors' Similarity-Based Fuzzy Community Detection Using Modified Local Random Walk. IEEE Transactions on Cybernetics, 2022, 52, 10014-10026.	6.2	8
62	Hybrid biogeography-based optimization for solving vendor managed inventory system. , 2017, , .		7
63	Interval Type-2 Fuzzy weighted Extreme Learning Machine for GDP Prediction. , 2018, , .		7
64	Research Performance of Indian Institutes of Technology. Current Science, 2017, 112, 923.	0.4	7
65	How Much Research Output from India Gets Social Media Attention?. Current Science, 2019, 117, 753.	0.4	7
66	Per-C based green computing model for handheld devices: An application of single person FOU. , 2016, , .		6
67	Scientific vs. Public Attention: A Comparison of Top Cited Papers in WoS and Top Papers by Altmetric Score. Communications in Computer and Information Science, 2018, , 81-95.	0.4	6
68	Interval-Valued Fuzzy c-Means Algorithm and Interval-Valued Density-Based Fuzzy c-Means Algorithm. , 2020, , .		6
69	Probabilistic Intuitionistic Fuzzy Decision Making Algorithms. IEEE Access, 2021, 9, 99651-99666.	2.6	6
70	Improved Probabilistic Intuitionistic Fuzzy c-Means Clustering Algorithm: Improved PIFCM. , 2020, , .		5
71	Task Scheduling under Uncertain Timing Constraints in Real-Time Embedded Systems. , 0, , 211-235.		5
72	Deep autoencoder based domain adaptation for transfer learning. Multimedia Tools and Applications, 2022, 81, 22379-22405.	2.6	5

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73	A Novel Bilevel Formulation for Pollution Routing Problem. , 2018, , .		4
74	Interval Type-2 Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. , 2019, , .		4
75	Multi-objective linguistic optimization: Extensions and new directions using 2-tuple fuzzy linguistic representation model. , 2017, , .		3
76	Random Fuzzy Variable based Uncertainty Modelling for the Prediction of Human Development Index using CO2 Emission Data. , 2018, , .		3
77	Brain Storm Optimization Algorithm in Objective Space for Reliability-Redundancy Allocation Problem. , 2019, , .		3
78	Global Distribution of Google Scholar Citations: A Size-independent Institution-based Analysis. Journal of Scientometric Research, 2019, 8, 72-78.	0.3	3
79	Multi-Robot Coalition Formation and Task Allocation Using Immigrant Based Adaptive Genetic Algorithms. Studies in Computational Intelligence, 2020, , 205-225.	0.7	3
80	Fuzzy Reliability Redundancy Allocation Problem Using Multi-factorial Evolutionary Algorithm. , 2021, , .		3
81	BLEAQ based solution for bilevel reliability-allocation problem. , 2017, , .		2
82	Hesitant Fuzzy Linguistic Term Sets for Group Decision Making in Supplier Performance Evaluation. , 2018, , .		2
83	Fuzzy and Possibilistic Clustering for Multiple Instance Linear Regression. , 2018, , .		2
84	Modified Brain Storm Optimization Algorithm in Objective Space for Pollution-Routing Problem. , 2019, , .		2
85	A Linguistic Decision Making Model for Psychometric Tests. , 2019, , .		2
86	Transfer Learning based GDP Prediction from Uncertain Carbon Emission Data. , 2019, , .		1
87	Special issue on â€œType-2 fuzzy systems and granular computingâ€. Granular Computing, 2019, 4, 143-143.	4.4	1
88	An evaluation of the economics research in India during last three decades (1989-2019). Collnet Journal of Scientometrics and Information Management, 2020, 14, 93-118.	0.4	1
89	Perceptual Computing with Comparative Linguistic Expressions. , 2020, , .		1
90	Isolation Forest Based Multi-Source Unsupervised Transfer Learning for Missing GDP Prediction. , 2020, , .		1

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91	Intelligent Systems Design and Applications. Advances in Intelligent Systems and Computing, 2018, , .	0.5	1
92	A novel distance measure over intuitionistic fuzzy sets with its applications in Pattern Recognition. , 2018, , .		0
93	A novel approach for student performance evaluation using consistency driven linguistic methodology. , 2018, , .		0
94	Energy Efficient Scheduling in Multiprocessor Systems Using Archived Multi-objective Simulated Annealing. , 2018, , .		0
95	Linguistic operation time computation in parallel processor scheduling using the 2-tuple fuzzy representation model. , 2018, , .		0
96	A Novel Solution Approach for Fuzzy Linear Bilevel Multi-follower Programming Problems. , 2018, , .		0
97	Linguistic optimization problems: solution methodology using perceptual reasoning. , 2019, , .		0
98	Computing with words for multi-objective linguistic optimization problems. , 2019, , .		0
99	Generating Quality IF-THEN Rules for Diabetes using Linguistic Summarization. , 2020, , .		0