

# Pranab Kumar Muhuri

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

986  
citations

16  
h-index

27  
g-index

102  
ext. papers

1,514  
ext. citations

5  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
78	Deep autoencoder based domain adaptation for transfer learning.. <i>Multimedia Tools and Applications</i> , <b>2022</b> , 1-27	2.5	0
77	PIFHC: The Probabilistic Intuitionistic Fuzzy Hierarchical Clustering Algorithm. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 120, 108584	7.5	1
76	Zone-Based Path Planning of a Mobile Robot Using Genetic Algorithm. <i>Lecture Notes in Mechanical Engineering</i> , <b>2021</b> , 263-275	0.4	1
75	Evolutionary Optimization based Solution approaches for Many Objective Reliability-Redundancy Allocation Problem. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 220, 108190	6.3	2
74	Metaheuristics: a comprehensive overview and classification along with bibliometric analysis. <i>Artificial Intelligence Review</i> , <b>2021</b> , 54, 4237-4316	9.7	21
73	Anomaly based novel multi-source unsupervised transfer learning approach for carbon emission centric GDP prediction. <i>Computers in Industry</i> , <b>2021</b> , 126, 103396	11.6	1
72	Energy Efficient Task Scheduling for Real-Time Embedded Systems in a Fuzzy Uncertain Environment. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 1037-1051	8.3	5
71	NeSiFC: Neighbors' Similarity-Based Fuzzy Community Detection Using Modified Local Random Walk. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
70	Can altmetric mentions predict later citations? A test of validity on data from ResearchGate and three social media platforms. <i>Online Information Review</i> , <b>2021</b> , 45, 517-536	2	6
69	Industry 4.0: Latent Dirichlet Allocation and clustering based theme identification of bibliography. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 103, 104280	7.2	4
68	. <i>IEEE Access</i> , <b>2021</b> , 9, 99651-99666	3.5	2
67	A novel solution approach for multiobjective linguistic optimization problems based on the 2-tuple fuzzy linguistic representation model. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 95, 106395	7.5	5
66	Interval type-2 fuzzy logic system based similarity evaluation for image steganography. <i>Heliyon</i> , <b>2020</b> , 6, e03771	3.6	11
65	A Bibliometric Overview of the Field of Type-2 Fuzzy Sets and Systems [Discussion Forum]. <i>IEEE Computational Intelligence Magazine</i> , <b>2020</b> , 15, 89-98	5.6	15
64	A bibliometric analysis and cutting-edge overview on fuzzy techniques in Big Data. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 92, 103625	7.2	16
63	A Novel Image Steganographic Method based on Integer Wavelet Transformation and Particle Swarm Optimization. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 92, 106257	7.5	16
62	Bayesian optimization algorithm for multi-objective scheduling of time and precedence constrained tasks in heterogeneous multiprocessor systems. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 92, 106274	7.5	8

61	Multi-Robot Coalition Formation and Task Allocation Using Immigrant Based Adaptive Genetic Algorithms. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 205-225	0.8	1
60	A bibliometric overview of the Journal of Network and Computer Applications between 1997 and 2019. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 165, 102695	7.9	11
59	Energy efficient multi-objective scheduling of tasks with interval type-2 fuzzy timing constraints in an Industry 4.0 ecosystem. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 87, 103257	7.2	18
58	Veracity handling and instance reduction in big data using interval type-2 fuzzy sets. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 88, 103315	7.2	17
57	An evaluation of the economics research in India during last three decades (1989-2019). <i>Collnet Journal of Scientometrics and Information Management</i> , <b>2020</b> , 14, 93-118	0.5	0
56	Interval-valued Intuitionistic Fuzzy TOPSIS method for Supplier Selection Problem <b>2020</b> ,		4
55	Person Footprint of Uncertainty-Based CWW Model for Power Optimization in Handheld Devices. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 558-568	8.3	5
54	General Type-2 fuzzy decision making and its application to travel time selection. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 36, 5227-5244	1.6	13
53	A novel evolutionary algorithmic solution approach for bilevel reliability-redundancy allocation problem. <i>Reliability Engineering and System Safety</i> , <b>2019</b> , 191, 106531	6.3	9
52	Extended Tsukamoto's inference method for solving multi-objective linguistic optimization problems. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 377, 102-124	3.7	3
51	Type-2 fuzzy reliability-redundancy allocation problem and its solution using particle-swarm optimization algorithm. <i>Granular Computing</i> , <b>2019</b> , 4, 145-166	5.4	12
50	Computing with words for student strategy evaluation in an examination. <i>Granular Computing</i> , <b>2019</b> , 4, 167-184	5.4	6
49	A novel GDP prediction technique based on transfer learning using CO2 emission dataset. <i>Applied Energy</i> , <b>2019</b> , 253, 113476	10.7	15
48	Engineering applications of artificial intelligence: A bibliometric analysis of 30 years (1988-2018). <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 85, 517-532	7.2	41
47	How Much Research Output from India Gets Social Media Attention?. <i>Current Science</i> , <b>2019</b> , 117, 753	2.2	4
46	Global Distribution of Google Scholar Citations: A Size-independent Institution-based Analysis. <i>Journal of Scientometric Research</i> , <b>2019</b> , 8, 72-78	1.9	2
45	Multi-factorial evolutionary algorithm based novel solution approach for multi-objective pollution-routing problem. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 130, 757-771	6.4	19
44	Interval Type-2 Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning <b>2019</b> ,		1

43	Industry 4.0: A bibliometric analysis and detailed overview. <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 78, 218-235	7.2	200
42	Special issue on "Type-2 fuzzy systems and granular computing" <i>Granular Computing</i> , <b>2019</b> , 4, 143-143	5.4	1
41	Big-data clustering with interval type-2 fuzzy uncertainty modeling in gene expression datasets. <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 77, 268-282	7.2	32
40	On arrival scheduling of real-time precedence constrained tasks on multi-processor systems using genetic algorithm. <i>Future Generation Computer Systems</i> , <b>2019</b> , 93, 702-726	7.5	12
39	A convergence theorem and an experimental study of intuitionistic fuzzy c-mean algorithm over machine learning dataset. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 71, 1176-1188	7.5	11
38	Applied soft computing: A bibliometric analysis of the publications and citations during (2004-2016). <i>Applied Soft Computing Journal</i> , <b>2018</b> , 69, 381-392	7.5	32
37	Novel Adaptive Clustering Algorithms Based on a Probabilistic Similarity Measure Over Atanassov Intuitionistic Fuzzy Set. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3715-3729	8.3	19
36	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 2311-2323	8.3	12
35	A novel approach based on computing with words for monitoring the heart failure patients. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 72, 457-473	7.5	8
34	A Scientometric Study of Neurocomputing Publications (1992-2018): An Aerial Overview of Intrinsic Structure. <i>Publications</i> , <b>2018</b> , 6, 32	1.7	18
33	Scientific vs. Public Attention: A Comparison of Top Cited Papers in WoS and Top Papers by Altmetric Score. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 81-95	0.3	3
32	An altmetric analysis of scholarly articles from India. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2018</b> , 34, 3111-3118	1.6	8
31	Random Fuzzy Variable based Uncertainty Modelling for the Prediction of Human Development Index using CO2 Emission Data <b>2018</b> ,		1
30	A Review of the Scopes and Challenges of the Modern Real-Time Operating Systems. <i>International Journal of Embedded and Real-Time Communication Systems</i> , <b>2018</b> , 9, 66-82	0.6	15
29	Interval Type-2 Fuzzy weighted Extreme Learning Machine for GDP Prediction <b>2018</b> ,		2
28	Analysis of Streaming Clustering Using an Incremental Validity Index <b>2018</b> ,		4
27	A Novel Image Steganography Approach Based on Interval Type-2 Fuzzy Similarity <b>2018</b> ,		6
26	A Novel Intuitionistic Fuzzy Set Generator with Application to Clustering <b>2018</b> ,		6

25	Thermal-aware power-efficient deadline based task allocation in multi-core processor. <i>Journal of Computational Science</i> , <b>2017</b> , 19, 112-120	3.4	10
24	Semi-elliptic membership function: Representation, generation, operations, defuzzification, ranking and its application to the real-time task scheduling problem. <i>Engineering Applications of Artificial Intelligence</i> , <b>2017</b> , 60, 71-82	7.2	25
23	NSGA-II based multi-objective pollution routing problem with higher order uncertainty <b>2017</b> ,		5
22	Immigrants Based Adaptive Genetic Algorithms for Task Allocation in Multi-Robot Systems. <i>International Journal of Computational Intelligence and Applications</i> , <b>2017</b> , 16, 1750025	1.2	9
21	Multi-objective linguistic optimization: Extensions and new directions using 2-tuple fuzzy linguistic representation model <b>2017</b> ,		2
20	Hybrid biogeography-based optimization for solving vendor managed inventory system <b>2017</b> ,		6
19	Multiobjective Reliability Redundancy Allocation Problem With Interval Type-2 Fuzzy Uncertainty. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 1-1	8.3	24
18	Interval type-2 fuzzy sets for enhanced learning in deep belief networks <b>2017</b> ,		6
17	Interval type-2 fuzzy demand based vendor managed inventory model <b>2017</b> ,		7
16	Research Performance of Indian Institutes of Technology. <i>Current Science</i> , <b>2017</b> , 112, 923	2.2	5
15	Atanassov Intuitionistic Fuzzy Domain Adaptation to contain negative transfer learning <b>2016</b> ,		10
14	Per-C based green computing model for handheld devices: An application of single person FOU <b>2016</b> ,		3
13	Multi-robot coalition formation problem: Task allocation with adaptive immigrants based genetic algorithms <b>2016</b> ,		13
12	<b>2016</b> ,		4
11	Energy efficient task scheduling with Type-2 fuzzy uncertainty <b>2015</b> ,		15
10	Particle swam optimization based reliability-redundancy allocation in a type-2 fuzzy environment <b>2015</b> ,		17
9	A novel clustering algorithm based on a new similarity measure over Intuitionistic fuzzy sets <b>2015</b> ,		10
8	Fuzzy multi-objective reliability-redundancy allocation problem <b>2014</b> ,		19

7	Perceptual computing based performance control mechanism for power efficiency in mobile embedded systems <b>2014</b> ,		15
6	Real-time power aware scheduling for tasks with type-2 fuzzy timing constraints <b>2014</b> ,		11
5	NSGA-II based energy efficient scheduling in real-time embedded systems for tasks with deadlines and execution times as type-2 fuzzy numbers <b>2013</b> ,		13
4	Real-time scheduling of periodic tasks with processing times and deadlines as parametric fuzzy numbers. <i>Applied Soft Computing Journal</i> , <b>2009</b> , 9, 936-946	7.5	20
3	Real-time task scheduling with fuzzy uncertainty in processing times and deadlines. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 1-13	7.5	33
2	Task Scheduling under Uncertain Timing Constraints in Real-Time Embedded Systems 211-235		4
1	Interval Type-2 Fuzzy Vendor Managed Inventory System and Its Solution with Particle Swarm Optimization. <i>International Journal of Fuzzy Systems</i> , 1	3.6	5