

Madhumangal Pal

List of Publications by Year in descending order

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276
papers

5,432
citations

106120

35
h-index

133910

59
g-index

281
all docs

281
docs citations

281
times ranked

2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on centrality measures in social networks: a survey. <i>Social Network Analysis and Mining</i> , 2018, 8, 1.	3.0	284
2	Picture fuzzy Dombi aggregation operators: Application to MADM process. <i>Applied Soft Computing Journal</i> , 2019, 74, 99-109.	7.4	251
3	Some Dombi aggregation of Q -rung orthopair fuzzy numbers in multiple-attribute decision making. <i>International Journal of Intelligent Systems</i> , 2019, 34, 3220-3240.	5.8	152
4	Fuzzy k -Competition Graphs and p -Competition Fuzzy Graphs. <i>Fuzzy Information and Engineering</i> , 2013, 5, 191-204.	1.6	148
5	Bipolar fuzzy Dombi aggregation operators and its application in multiple-attribute decision-making process. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 3533-3549.	5.3	146
6	Fuzzy Planar Graphs. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1936-1942.	10.5	124
7	A study on bipolar fuzzy graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 571-580.	1.6	115
8	Pythagorean fuzzy Dombi aggregation operators and its applications in multiple attribute decision-making. <i>International Journal of Intelligent Systems</i> , 2019, 34, 2019-2038.	5.8	107
9	m -Step fuzzy competition graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 47, 461-472.	2.4	99
10	Interval-valued fuzzy planar graphs. <i>International Journal of Machine Learning and Cybernetics</i> , 2016, 7, 653-664.	3.7	86
11	Bipolar Fuzzy Graphs with Categorical Properties. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 808.	2.7	84
12	Bipolar fuzzy Dombi prioritized aggregation operators in multiple attribute decision making. <i>Soft Computing</i> , 2020, 24, 3631-3646.	3.8	75
13	let-7 MicroRNAs Regulate Microglial Function and Suppress Glioma Growth through Toll-Like Receptor 7. <i>Cell Reports</i> , 2019, 29, 3460-3471.e7.	6.3	73
14	Product of bipolar fuzzy graphs and their degree. <i>International Journal of General Systems</i> , 2016, 45, 1-14.	2.5	69
15	Intuitionistic fuzzy competition graphs. <i>Journal of Applied Mathematics and Computing</i> , 2016, 52, 37-57.	2.4	68
16	A Robust Single-Valued Neutrosophic Soft Aggregation Operators in Multi-Criteria Decision Making. <i>Symmetry</i> , 2019, 11, 110.	2.3	65
17	Shortest Path Problem on a Network with Imprecise Edge Weight. <i>Fuzzy Optimization and Decision Making</i> , 2005, 4, 293-312.	5.7	63
18	Fuzzy colouring of fuzzy graphs. <i>Afrika Matematika</i> , 2016, 27, 37-50.	0.8	61

#	ARTICLE	IF	CITATIONS
19	A dynamical hybrid method to design decision making process based on GRA approach for multiple attributes problem. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 100, 104203.	8.3	58
20	Multi-criteria decision making approach based on SVTrN Dombi aggregation functions. <i>Artificial Intelligence Review</i> , 2021, 54, 3685-3723.	16.1	56
21	Multiple-attribute decision making problems based on SVTNH methods. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 3717-3733.	5.3	55
22	Assessment of Enterprise Performance Based on Picture Fuzzy Hamacher Aggregation Operators. <i>Symmetry</i> , 2019, 11, 75.	2.3	52
23	Fuzzy ϕ -tolerance competition graphs. <i>Soft Computing</i> , 2017, 21, 3723-3734.	3.8	51
24	Albumin Kinetics in Patients Undergoing Major Abdominal Surgery. <i>PLoS ONE</i> , 2015, 10, e0136371.	2.5	49
25	Intuitionistic fuzzy tolerance graphs with application. <i>Journal of Applied Mathematics and Computing</i> , 2017, 55, 495-511.	2.4	49
26	Two new operators on fuzzy matrices. <i>Journal of Applied Mathematics and Computing</i> , 2004, 15, 91-107.	2.4	46
27	Faces and dual of m-polar fuzzy planar graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 2043-2049.	1.6	45
28	Product of intuitionistic fuzzy graphs and degree. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 1059-1067.	1.6	44
29	A study on m-polar fuzzy planar graphs. <i>International Journal of Computing Science and Mathematics</i> , 2016, 7, 283.	0.3	42
30	LINEAR PROGRAMMING TECHNIQUE TO SOLVE TWO PERSON MATRIX GAMES WITH INTERVAL PAY-OFFS. <i>Asia-Pacific Journal of Operational Research</i> , 2009, 26, 285-305.	1.3	41
31	Covering and paired domination in intuitionistic fuzzy graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 33, 4007-4015.	1.6	41
32	Application of Bipolar Intuitionistic Fuzzy Soft Sets in Decision Making Problem. <i>International Journal of Fuzzy System Applications</i> , 2018, 7, 32-55.	0.7	41
33	A study on cubic graphs with novel application. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 89-101.	1.6	41
34	New concepts of fuzzy planar graphs. <i>International Journal of Advanced Research in Artificial Intelligence</i> , 2014, 3, .	0.2	41
35	Extended bipolar fuzzy EDAS approach for multi-criteria group decision-making process. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	2.2	38
36	Selection of programme slots of television channels for giving advertisement: A graph theoretic approach. <i>Information Sciences</i> , 2007, 177, 2480-2492.	7.2	37

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37	Some isomorphic properties of m-polar fuzzy graphs with applications. SpringerPlus, 2016, 5, 2104.	1.2	37
38	Cubic Subalgebras and Cubic Closed Ideals of B -algebras. Fuzzy Information and Engineering, 2015, 7, 129-149.	1.6	36
39	Completeness and regularity of generalized fuzzy graphs. SpringerPlus, 2016, 5, 1979.	1.2	36
40	Regularity of vague graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3681-3689.	1.6	36
41	Interval-valued fuzzy ϕ -tolerance competition graphs. SpringerPlus, 2016, 5, 1981.	1.2	35
42	Certain Types of Product Bipolar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 605-619.	1.7	34
43	RSM index: A new way of link prediction in social networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2137-2151.	1.6	34
44	Multi-criteria decision making process based on some single-valued neutrosophic Dombi power aggregation operators. Soft Computing, 2021, 25, 5055.	3.8	34
45	Different types of products on intuitionistic fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2015, 17, 87-96.	0.4	33
46	Applications of Edge Colouring of Fuzzy Graphs. Informatica, 2020, , 313-330.	2.8	33
47	Trapezoidal neutrosophic aggregation operators and its application in multiple attribute decision making process. Scientia Iranica, 2018, .	0.5	31
48	A novel approach to hesitant multi-fuzzy soft set based decision-making. AIMS Mathematics, 2020, 5, 1985-2008.	1.6	31
49	Sustainable carbon-dioxide storage assessment in geological media using modified Pythagorean fuzzy VIKOR and DEMATEL approach. International Journal of Hydrogen Energy, 2023, 48, 9474-9497.	7.2	31
50	The effects of body region, season and external arsenic application on hair cortisol concentration. , 2018, 6, coy037.		30
51	Some Properties of Generalized Intuitionistic Fuzzy Nilpotent Matrices over Distributive Lattice. Fuzzy Information and Engineering, 2012, 4, 371-387.	1.6	29
52	Genus value of m-polar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1947-1957.	1.6	29
53	Intuitionistic Fuzzy Dombi Hybrid Decision-Making Method and Their Applications to Enterprise Financial Performance Evaluation. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.2	29
54	Bipolar fuzzy matrices. Soft Computing, 2019, 23, 9885-9897.	3.8	28

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55	Similarity Relations, Invertibility and Eigenvalues of Intuitionistic Fuzzy Matrix. <i>Fuzzy Information and Engineering</i> , 2013, 5, 431-443.	1.6	27
56	Fuzzy fractional coloring of fuzzy graph with its application. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 5771-5784.	5.3	27
57	Link Prediction in Social Networks by Neutrosophic Graph. <i>International Journal of Computational Intelligence Systems</i> , 2020, 13, 1699.	2.7	27
58	Multiple attribute dynamic decision making method based on some complex aggregation functions in CQROF setting. <i>Computational and Applied Mathematics</i> , 2022, 41, 1.	2.2	27
59	Balanced picture fuzzy graph with application. <i>Artificial Intelligence Review</i> , 2021, 54, 5255-5281.	16.1	26
60	A study on fuzzy labeling graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 30, 3349-3355.	1.6	25
61	Generalized neutrosophic planar graphs and its application. <i>Journal of Applied Mathematics and Computing</i> , 2021, 65, 693-712.	2.4	25
62	Radio fuzzy graphs and assignment of frequency in radio stations. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	2.2	24
63	The Generalized Inverse of Atanassov's Intuitionistic Fuzzy Matrices. <i>International Journal of Computational Intelligence Systems</i> , 2014, 7, 1083.	2.7	23
64	Fuzzy colouring of m-polar fuzzy graph and its application. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 6379-6391.	1.6	23
65	Portfolio selection as a multicriteria group decision making in Pythagorean fuzzy environment with GRA and FAHP framework. <i>International Journal of Intelligent Systems</i> , 2022, 37, 478-515.	5.8	23
66	On some operations and density of m-polar fuzzy graphs. <i>Pacific Science Review A Natural Science and Engineering</i> , 2015, 17, 14-22.	0.4	22
67	A sequential algorithm for finding a maximum weight K-independent set on interval graphs. <i>International Journal of Computer Mathematics</i> , 1996, 60, 205-214.	1.7	21
68	L(2,1)-labeling of interval graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 49, 419-432.	2.4	21
69	First Zagreb index on a fuzzy graph and its application. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 10575-10587.	1.6	21
70	Hyper-Wiener index for fuzzy graph and its application in share market. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 2073-2083.	1.6	21
71	AN OPTIMAL ALGORITHM FOR SOLVING ALL-PAIRS SHORTEST PATHS ON TRAPEZOID GRAPHS. <i>International Journal of Computational Engineering Science</i> , 2002, 03, 103-116.	0.1	20
72	Some properties of m-polar fuzzy graphs. <i>Pacific Science Review A Natural Science and Engineering</i> , 2016, 18, 38-46.	0.4	20

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73	A Novel Strategy for Decoding and Validating the Combination Principles of Huanglian Jiedu Decoction From Multi-Scale Perspective. <i>Frontiers in Pharmacology</i> , 2020, 11, 567088.	3.6	20
74	Picture fuzzy matrix and its application. <i>Soft Computing</i> , 2020, 24, 9413-9428.	3.8	20
75	An Extension of Fuzzy Competition Graph and Its Uses in Manufacturing Industries. <i>Mathematics</i> , 2020, 8, 1008.	2.3	20
76	Multi-attribute decision making method using advanced Pythagorean fuzzy weighted geometric operator and their applications for real estate company selection. <i>Heliyon</i> , 2021, 7, e07340.	3.3	20
77	Intuitionistic \mathbb{L} -fuzzy ideals of \mathbb{B} -algebras. <i>Afrika Matematika</i> , 2014, 25, 577-590.	0.8	19
78	Generalised multi-fuzzy soft set and its application in decision making. <i>Pacific Science Review A Natural Science and Engineering</i> , 2015, 17, 23-28.	0.4	19
79	On Intuitionistic Fuzzy $\langle G \rangle$ -subalgebras of $\langle G \rangle$ -algebras. <i>Fuzzy Information and Engineering</i> , 2015, 7, 195-209.	1.6	19
80	$L(2, 1)$ -Labeling of Permutation and Bipartite Permutation Graphs. <i>Mathematics in Computer Science</i> , 2015, 9, 113-123.	0.5	19
81	Rank of interval-valued fuzzy matrices. <i>Afrika Matematika</i> , 2016, 27, 97-114.	0.8	19
82	Interval valued m -polar fuzzy planar graph and its application. <i>Artificial Intelligence Review</i> , 2021, 54, 1649-1675.	16.1	19
83	An investigation on m -polar fuzzy threshold graph and its application on resource power controlling system. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 501-514.	5.3	19
84	Large-scale group decision-making based on Pythagorean linguistic preference relations using experts clustering and consensus measure with non-cooperative behavior analysis of clusters. <i>Complex & Intelligent Systems</i> , 2022, 8, 819-833.	6.5	19
85	An Efficient Algorithm for Finding a Maximum Weight k -Independent Set on Trapezoid Graphs. <i>Computational Optimization and Applications</i> , 2001, 18, 49-62.	1.7	18
86	A study on vague graphs. <i>SpringerPlus</i> , 2016, 5, 1234.	1.2	18
87	Interval-Valued Complex Fuzzy Sets and Its Application to the Malaysian Economy. <i>International Journal of Fuzzy System Applications</i> , 2018, 7, 22-31.	0.7	18
88	Certain competition graphs based on picture fuzzy environment with applications. <i>Artificial Intelligence Review</i> , 2021, 54, 3141-3171.	16.1	18
89	Similarity relations, eigenvalues and eigenvectors of bipolar fuzzy matrix. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 30, 2297-2307.	1.6	17
90	Application of Strong Arcs in m -Polar Fuzzy Graphs. <i>Neural Processing Letters</i> , 2019, 50, 771-784.	3.3	17

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91	Colouring of COVID-19 Affected Region Based on Fuzzy Directed Graphs. Computers, Materials and Continua, 2021, 68, 1219-1233.	2.0	17
92	Three-way decision model under a large-scale group decision-making environment with detecting and managing non-cooperative behaviors in consensus reaching process. Artificial Intelligence Review, 2022, 55, 5517-5542.	16.1	17
93	L-fuzzy G-subalgebras of G-algebras. Journal of the Egyptian Mathematical Society, 2015, 23, 219-223.	1.2	16
94	$(\tilde{a}, \tilde{a}^{\sim})$ -intuitionistic fuzzy BCI-subalgebras of a BCI-algebra. Journal of Intelligent and Fuzzy Systems, 2016, 31, 613-621.	1.6	16
95	Bipolar fuzzy soft subalgebras and ideals of BCK/BCI-algebras based on bipolar fuzzy points. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2785-2795.	1.6	16
96	Pythagorean linguistic preference relations and their applications to group decision making using group recommendations based on consistency matrices and feedback mechanism. International Journal of Intelligent Systems, 2020, 35, 826-849.	5.8	16
97	An efficient algorithm to generate all maximal independent sets on trapezoid graphs. International Journal of Computer Mathematics, 1999, 70, 587-599.	1.7	15
98	A note on ϵ -Regular bipolar fuzzy graphs. Neural Computing and Applications 21(1) (2012) 197-205. Neural Computing and Applications, 2018, 30, 1569-1572.	5.7	15
99	A Study on Semi-directed Graphs for Social Media Networks. International Journal of Computational Intelligence Systems, 2021, 14, 1034.	2.7	15
100	Certain types of edge irregular intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 295-305.	1.6	14
101	Distance Two Surjective Labelling of Paths and Interval Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.9	14
102	Some more results on fuzzy k-competition graphs. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	14
103	$(0, 1)$ -Labelling of Cactus Graphs. Communications and Network, 2012, 04, 18-29.	0.9	14
104	Multiple Attribute Decision-Making Problem Using Picture Fuzzy Graph. Mathematical Problems in Engineering, 2021, 2021, 1-16.	1.2	14
105	$L(3,2,1)$ - and $L(4,3,2,1)$ -labeling problems on interval graphs. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 205-215.	0.6	13
106	A study on bipolar fuzzy planar graph and its application in image shrinking. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1863-1874.	1.6	13
107	Product of interval-valued fuzzy graphs and degree. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6443-6451.	1.6	13
108	Interval valued EOQ model with two types of defective items. Journal of Statistics and Management Systems, 2018, 21, 1059-1082.	0.6	13

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109	Certain types of m-polar interval-valued fuzzy graph. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3137-3150.	1.6	13
110	An improvement to the interval type-2 fuzzy VIKOR method. Knowledge-Based Systems, 2023, 280, 111055.	7.4	13
111	A Data Structure on Interval Graphs and Its Applications. Journal of Circuits, Systems and Computers, 1997, 07, 165-175.	1.6	12
112	Multi-Fuzzy Complex Nilpotent Matrices. International Journal of Fuzzy System Applications, 2016, 5, 52-76.	0.7	12
113	Generalized Intuitionistic Fuzzy Ideals of $\langle i \rangle BCK\hat{\ast}BCI\langle /i \rangle$ -algebras Based on $\langle i \rangle 3\langle /i \rangle$ -valued Logic and Its Computational Study. Fuzzy Information and Engineering, 2017, 9, 455-478.	1.6	12
114	Novel concepts in intuitionistic fuzzy graphs with application. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3743-3749.	1.6	12
115	Fuzzy covering problem of fuzzy graphs and its application to investigate the Indian economy in new normal. Journal of Applied Mathematics and Computing, 2022, 68, 479-510.	2.4	12
116	Optimization in business strategy as a part of sustainable economic growth using clique covering of fuzzy graphs. Soft Computing, 2021, 25, 7095-7118.	3.8	12
117	Fuzzy Tolerance Graphs. , 2020, , 153-173.		12
118	An Efficient Algorithm for Finding All Hinge Vertices on Trapezoid Graphs. Theory of Computing Systems, 2003, 36, 17-27.	1.1	11
119	Maximum weightk-independent set problem on permutation graphs. International Journal of Computer Mathematics, 2003, 80, 1477-1487.	1.7	11
120	Doubt Atanassov's intuitionistic fuzzy Sub-implicative ideals in $\langle i \rangle$ -algebras. International Journal of Computational Intelligence Systems, 2015, 8, 240.	2.7	11
121	Triangular norm based fuzzy $\langle i \rangle B G\langle /i \rangle$ -algebras. Afrika Matematika, 2016, 27, 187-199.	0.8	11
122	Vertex covering problems of fuzzy graphs and their application in CCTV installation. Neural Computing and Applications, 2021, 33, 5483-5506.	5.7	11
123	Graph Indices. Advances in Computer and Electrical Engineering Book Series, 2020, , 66-91.	0.0	11
124	A Study of an EOQ Model of Growing Items with Parabolic Dense Fuzzy Lock Demand Rate. Applied System Innovation, 2021, 4, 81.	4.8	11
125	Further development of F-index for fuzzy graph and its application in Indian railway crime. Journal of Applied Mathematics and Computing, 2023, 69, 321-353.	2.4	11
126	Optimal sequential and parallel algorithms for computing the diameter and the center of an interval graph. International Journal of Computer Mathematics, 1995, 59, 1-13.	1.7	10

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127	An Efficient Algorithm to Generate all Maximal Cliques on Trapezoid Graphs. International Journal of Computer Mathematics, 2002, 79, 1057-1065.	1.7	10
128	Multi-Fuzzy Complex Numbers and Multi-Fuzzy Complex Sets. International Journal of Fuzzy System Applications, 2015, 4, 15-27.	0.7	10
129	Application of Bipolar Fuzzy Sets in Planar Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 773-785.	1.7	10
130	Cubic Intuitionistic q-Ideals of BCI-Algebras. Symmetry, 2018, 10, 752.	2.3	10
131	Different types of cubic ideals in BCI-algebras based on fuzzy points. Afrika Matematika, 2020, 31, 367-381.	0.8	10
132	Covering problem on fuzzy graphs and its application in disaster management system. Soft Computing, 2021, 25, 2545-2557.	3.8	10
133	DeepAtrophy: Teaching a neural network to detect progressive changes in longitudinal MRI of the hippocampal region in Alzheimer's disease. NeuroImage, 2021, 243, 118514.	4.4	10
134	Fuzzy Threshold Graph. , 2020, , 145-152.		10
135	On m -Polar Interval-valued Fuzzy Graph and its Application. Fuzzy Information and Engineering, 2020, 12, 71-96.	1.6	10
136	Fuzzy Sets, Intuitionistic Fuzzy Sets. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-17.	0.0	10
137	Fuzzy B-subalgebras of B-algebra with Respect to t -norm. Journal of Fuzzy Set Valued Analysis, 0, 2012, 1-11.	0.2	10
138	Multi-criteria group decision-making method in disposal of municipal solid waste based on cubic Pythagorean fuzzy EDAS approach with incomplete weight information. Applied Soft Computing Journal, 2023, 144, 110515.	7.4	10
139	AN OPTIMAL PARALLEL ALGORITHM TO COLOR AN INTERVAL GRAPH. Parallel Processing Letters, 1996, 06, 439-449.	0.5	9
140	Regular product vague graphs and product vague line graphs. Cogent Mathematics, 2016, 3, 1213214.	0.4	9
141	Fuzzy permutation graph and its complements. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2199-2213.	1.6	9
142	$L(3, 1, 1)$ -labeling numbers of square of paths, complete graphs and complete bipartite graphs. Journal of Intelligent and Fuzzy Systems, 2019, 36, 1917-1925.	1.6	9
143	Fifth sustainable development goal gender equality in India: analysis by mathematics of uncertainty and covering of fuzzy graphs. Neural Computing and Applications, 2021, 33, 15027-15057.	5.7	9
144	A novel concept of domination in m -polar interval-valued fuzzy graph and its application. Neural Computing and Applications, 2022, 34, 745-756.	5.7	9

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145	An investigation on m-polar fuzzy tolerance graph and its application. <i>Neural Computing and Applications</i> , 2022, 34, 3007-3017.	5.7	9
146	A Fuzzy Graph Theory Approach to the Facility Location Problem: A Case Study in the Indian Banking System. <i>Mathematics</i> , 2023, 11, 2992.	2.3	9
147	A parallel algorithm to generate all maximal independent sets on permutation graphs. <i>International Journal of Computer Mathematics</i> , 1998, 67, 261-274.	1.7	8
148	An optimal pram algorithm for a spanning tree on trapezoid graphs. <i>Journal of Applied Mathematics and Computing</i> , 2003, 12, 21-29.	2.4	8
149	New concepts of vague competition graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 69-75.	1.6	8
150	Stability behaviour of antiretroviral drugs and their combinations. 6: evidence of formation of potentially toxic degradation products of zidovudine under hydrolytic and photolytic conditions. <i>RSC Advances</i> , 2017, 7, 18803-18814.	3.7	8
151	Novel Concepts of Strongly Edge Irregular m-Polar Fuzzy Graphs. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 3321-3332.	1.7	8
152	Application of (\hat{I}_1, \hat{I}_2) -soft intersectional sets on BCK/BCI-algebras. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2017, 16, 269.	0.2	8
153	(\hat{I}_1, \hat{I}_2) -Soft Intersectional Rings and Ideals with their Applications. <i>New Mathematics and Natural Computation</i> , 2019, 15, 333-350.	0.7	8
154	Comment on "Wiener index of a fuzzy graph and application to illegal immigration networks". <i>Fuzzy Sets and Systems</i> , 2020, 384, 148-151.	3.0	8
155	Some m-polar fuzzy operators and their application in multiple-attribute decision-making process. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1.	1.4	8
156	Multiplicative consistency analysis of linguistic preference relation with self-confidence level and self-doubting level and its application in a group decision making. <i>International Journal of Intelligent Systems</i> , 2021, 36, 5389-5418.	5.8	8
157	Labelling of Cactus Graphs. <i>Mapana Journal of Sciences</i> , 2012, 11, 15-42.	0.1	8
158	Social network trust relationship environment based advanced ovarian cancer treatment decision-making model: An approach based on linguistic information with experts' multiple confidence levels. <i>Expert Systems With Applications</i> , 2023, 229, 120407.	7.9	8
159	Hybrid multi-criteria decision-making method with a bipolar fuzzy approach and its applications to economic condition analysis. <i>Engineering Applications of Artificial Intelligence</i> , 2024, 132, 107837.	8.3	8
160	THE PARALLEL ALGORITHMS FOR DETERMINING EDGE-PACKING AND EFFICIENT EDGE DOMINATING SETS IN INTERVAL GRAPHS. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 1995, 7, 193-207.	0.4	7
161	Efficient algorithms to compute all articulation points of a permutation graph. <i>Journal of Applied Mathematics and Computing</i> , 1998, 5, 141-152.	2.4	7
162	An Optimal Algorithm to Solve 2-Neighbourhood Covering Problem on Interval Graphs. <i>International Journal of Computer Mathematics</i> , 2002, 79, 189-204.	1.7	7

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163	An Optimal Algorithm to Solve the All-Pairs Shortest Paths Problem on Permutation Graphs. <i>Mathematical Modelling and Algorithms</i> , 2003, 2, 57-65.	0.5	7
164	Maximum weight independent set of circular-arc graph and its application. <i>Journal of Applied Mathematics and Computing</i> , 2006, 22, 161-174.	2.4	7
165	Genetic algorithmic approach to find the maximum weight independent set of a graph. <i>Journal of Applied Mathematics and Computing</i> , 2007, 25, 217-229.	2.4	7
166	Minimum 2-Tuple Dominating Set of an Interval Graph. <i>International Journal of Combinatorics</i> , 2011, 2011, 1-14.	0.2	7
167	Interval Cut-Set of Generalized Interval-Valued Intuitionistic Fuzzy Sets. <i>International Journal of Fuzzy System Applications</i> , 2012, 2, 35-50.	0.7	7
168	The Conditional Covering Problem on Unweighted Interval Graphs with Nonuniform Coverage Radius. <i>Mathematics in Computer Science</i> , 2012, 6, 33-41.	0.5	7
169	L(0,1)-labelling of Permutation Graphs. <i>Mathematical Modelling and Algorithms</i> , 2015, 14, 469-479.	0.5	7
170	Derivation, $\langle i \rangle f \langle /i \rangle$ -derivation and generalized derivation of $\langle i \rangle KUS \langle /i \rangle$ -algebras. <i>Cogent Mathematics</i> , 2015, 2, 1064602.	0.4	7
171	Surjective $L\hat{A}(2, 1)$ -labeling of cycles and circular-arc graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 739-748.	1.6	7
172	Theoretical Analysis of an Imprecise Prey-Predator Model with Harvesting and Optimal Control. <i>Journal of Optimization</i> , 2019, 2019, 1-12.	5.0	7
173	Genus of graphs under picture fuzzy environment with applications. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 10741-10756.	5.3	7
174	Picture fuzzy tolerance graphs with application. <i>Complex & Intelligent Systems</i> , 2022, 8, 541-554.	6.5	7
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