Madhumangal Pal

List of Publications by Year
in descending order

216 papers	4,570 citations	136950 32 h-index	155660 55 g-index
218 all docs	218 docs citations	218 times ranked	1140 citing authors

#	Article	IF	Citations
1	Study on centrality measures in social networks: a survey. Social Network Analysis and Mining, 2018, 8, 1.	2.8	252
2	Picture fuzzy Dombi aggregation operators: Application to MADM process. Applied Soft Computing Journal, 2019, 74, 99-109.	7.2	236
3	Fuzzy k-Competition Graphs and p-Competition Fuzzy Graphs. Fuzzy Information and Engineering, 2013, 5, 191-204.	1.7	144
4	Some Dombi aggregation ofQâ€rung orthopair fuzzy numbers in multipleâ€attribute decision making. International Journal of Intelligent Systems, 2019, 34, 3220-3240.	5.7	136
5	Bipolar fuzzy Dombi aggregation operators and its application in multiple-attribute decision-making process. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3533-3549.	4.9	133
6	Fuzzy Planar Graphs. IEEE Transactions on Fuzzy Systems, 2015, 23, 1936-1942.	9.8	119
7	A study on bipolar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2015, 28, 571-580.	1.4	107
8	Pythagorean fuzzy Dombi aggregation operators and its applications in multiple attribute decisionâ€making. International Journal of Intelligent Systems, 2019, 34, 2019-2038.	5.7	98
9	$$m$$ m -Step fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2015, 47, 461-472.	2.5	97
10	Interval-valued fuzzy planar graphs. International Journal of Machine Learning and Cybernetics, 2016, 7, 653-664.	3.6	82
11	Bipolar Fuzzy Graphs with Categorical Properties. International Journal of Computational Intelligence Systems, 2015, 8, 808.	2.7	79
12	Bipolar fuzzy Dombi prioritized aggregation operators in multiple attribute decision making. Soft Computing, 2020, 24, 3631-3646.	3.6	67
13	Intuitionistic fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2016, 52, 37-57.	2.5	65
14	A Robust Single-Valued Neutrosophic Soft Aggregation Operators in Multi-Criteria Decision Making. Symmetry, 2019, 11, 110.	2.2	64
15	Shortest Path Problem on a Network with Imprecise Edge Weight. Fuzzy Optimization and Decision Making, 2005, 4, 293-312.	5.5	62
16	Product of bipolar fuzzy graphs and their degree. International Journal of General Systems, 2016, 45, 1-14.	2.5	61
17	Fuzzy colouring of fuzzy graphs. Afrika Matematika, 2016, 27, 37-50.	0.8	58
18	A dynamical hybrid method to design decision making process based on GRA approach for multiple attributes problem. Engineering Applications of Artificial Intelligence, 2021, 100, 104203.	8.1	55

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19	Multiple-attribute decision making problems based on SVTNH methods. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3717-3733.	4.9	54
20	Multi-criteria decision making approach based on SVTrN Dombi aggregation functions. Artificial Intelligence Review, 2021, 54, 3685-3723.	15.7	52
21	Assessment of Enterprise Performance Based on Picture Fuzzy Hamacher Aggregation Operators. Symmetry, 2019, 11, 75.	2.2	49
22	Fuzzy $$phi $$ Ï• -tolerance competition graphs. Soft Computing, 2017, 21, 3723-3734.	3.6	47
23	Intuitionistic fuzzy tolerance graphs with application. Journal of Applied Mathematics and Computing, 2017, 55, 495-511.	2.5	47
24	Faces and dual of m-polar fuzzy planarÂgraphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2043-2049.	1.4	43
25	Modern Trends in Fuzzy Graph Theory. , 2020, , .		43
26	Product of intuitionistic fuzzy graphs andÂdegree. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1059-1067.	1.4	41
27	A study on m-polar fuzzy planar graphs. International Journal of Computing Science and Mathematics, 2016, 7, 283.	0.3	40
28	New concepts of fuzzy planar graphs. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	40
29	LINEAR PROGRAMMING TECHNIQUE TO SOLVE TWO PERSON MATRIX GAMES WITH INTERVAL PAY-OFFS. Asia-Pacific Journal of Operational Research, 2009, 26, 285-305.	1.3	39
30	Cubic Subalgebras and Cubic Closed Ideals of B-algebras. Fuzzy Information and Engineering, 2015, 7, 129-149.	1.7	36
31	Application of Bipolar Intuitionistic Fuzzy Soft Sets in Decision Making Problem. International Journal of Fuzzy System Applications, 2018, 7, 32-55.	0.7	35
32	A study on cubic graphs with novel application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 89-101.	1.4	35
33	Selection of programme slots of television channels for giving advertisement: A graph theoretic approach. Information Sciences, 2007, 177, 2480-2492.	6.9	34
34	Some isomorphic properties of m-polar fuzzy graphs with applications. SpringerPlus, 2016, 5, 2104.	1.2	34
35	Regularity of vague graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3681-3689.	1.4	34
36	Covering and paired domination in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2017, 33, 4007-4015.	1.4	33

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37	Two new operators on fuzzy matrices. Journal of Applied Mathematics and Computing, 2004, 15, 91-107.	2.5	32
38	Different types of products on intuitionistic fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2015, 17, 87-96.	0.4	32
39	Interval-valued fuzzy $$phi$$ ï• -tolerance competition graphs. SpringerPlus, 2016, 5, 1981.	1.2	32
40	Completeness and regularity of generalized fuzzy graphs. SpringerPlus, 2016, 5, 1979.	1.2	32
41	Multi-criteria decision making process based on some single-valued neutrosophic Dombi power aggregation operators. Soft Computing, 2021, 25, 5055.	3.6	31
42	Extended bipolar fuzzy EDAS approach for multi-criteria group decision-making process. Computational and Applied Mathematics, 2021, 40, 1.	2.2	31
43	Certain Types of Product Bipolar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 605-619.	1.6	30
44	RSM index: A new way of link prediction in social networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2137-2151.	1.4	30
45	Applications of Edge Colouring of Fuzzy Graphs. Informatica, 2020, , 313-330.	2.7	27
46	Trapezoidal neutrosophic aggregation operators and its application in multiple attribute decision making process. Scientia Iranica, 2018, .	0.4	27
47	Genus value of m-polar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1947-1957.	1.4	26
48	Intuitionistic Fuzzy Dombi Hybrid Decision-Making Method and Their Applications to Enterprise Financial Performance Evaluation. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	26
49	Fuzzy fractional coloring of fuzzy graph with its application. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5771-5784.	4.9	25
50	A novel approach to hesitant multi-fuzzy soft set based decision-making. AIMS Mathematics, 2020, 5, 1985-2008.	1.6	24
51	Some Properties of Generalized Intuitionistic Fuzzy Nilpotent Matrices over Distributive Lattice. Fuzzy Information and Engineering, 2012, 4, 371-387.	1.7	23
52	Radio fuzzy graphs and assignment of frequency in radio stations. Computational and Applied Mathematics, 2019, 38, 1.	2.2	23
53	On some operations and density of m-polar fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2015, 17, 14-22.	0.4	22
54	A study on fuzzy labeling graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3349-3355.	1.4	22

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55	Fuzzy colouring of m-polar fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6379-6391.	1.4	22
56	Generalized neutrosophic planar graphs and its application. Journal of Applied Mathematics and Computing, 2021, 65, 693-712.	2.5	22
57	Link Prediction in Social Networks by Neutrosophic Graph. International Journal of Computational Intelligence Systems, 2020, 13, 1699.	2.7	22
58	Multiple attribute dynamic decision making method based on some complex aggregation functions in CQROF setting. Computational and Applied Mathematics, 2022, 41, 1.	2.2	22
59	A sequential algorithm for finding a maximum weightK-independent set on interval graphs. International Journal of Computer Mathematics, 1996, 60, 205-214.	1.8	21
60	Balanced picture fuzzy graph with application. Artificial Intelligence Review, 2021, 54, 5255-5281.	15.7	21
61	AN OPTIMAL ALGORITHM FOR SOLVING ALL-PAIRS SHORTEST PATHS ON TRAPEZOID GRAPHS. International Journal of Computational Engineering Science, 2002, 03, 103-116.	0.1	20
62	L(2,1)-labeling of interval graphs. Journal of Applied Mathematics and Computing, 2015, 49, 419-432.	2.5	20
63	Generalised multi-fuzzy soft set and its application in decision making. Pacific Science Review A Natural Science and Engineering, 2015, 17, 23-28.	0.4	19
64	Some properties of m-polar fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2016, 18, 38-46.	0.4	19
65	An Extension of Fuzzy Competition Graph and Its Uses in Manufacturing Industries. Mathematics, 2020, 8, 1008.	2.2	19
66	An Efficient Algorithm for Finding a Maximum Weight k-Independent Set on Trapezoid Graphs. Computational Optimization and Applications, 2001, 18, 49-62.	1.6	18
67	Intuitionistic $$L$$ -fuzzy ideals of $$BG$$ -algebras. Afrika Matematika, 2014, 25, 577-590.	0.8	18
68	On Intuitionistic Fuzzy G-subalgebras of G-algebras. Fuzzy Information and Engineering, 2015, 7, 195-209.	1.7	18
69	An investigation on m-polar fuzzy threshold graph and its application on resource power controlling system. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 501-514.	4.9	18
70	Portfolio selection as a multicriteria group decision making in Pythagorean fuzzy environment with GRA and FAHP framework. International Journal of Intelligent Systems, 2022, 37, 478-515.	5.7	18
71	L(2, 1)-Labeling of Permutation and Bipartite Permutation Graphs. Mathematics in Computer Science, 2015, 9, 113-123.	0.4	17
72	A study on vague graphs. SpringerPlus, 2016, 5, 1234.	1.2	17

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73	Interval-Valued Complex Fuzzy Sets and Its Application to the Malaysian Economy. International Journal of Fuzzy System Applications, 2018, 7, 22-31.	0.7	17
74	Interval valued m-polar fuzzy planar graph and its application. Artificial Intelligence Review, 2021, 54, 1649-1675.	15.7	17
75	Large-scale group decision-making based on Pythagorean linguistic preference relations using experts clustering and consensus measure with non-cooperative behavior analysis of clusters. Complex & Intelligent Systems, 2022, 8, 819-833.	6.5	17
76	Multi-attribute decision making method using advanced Pythagorean fuzzy weighted geometric operator and their applications for real estate company selection. Heliyon, 2021, 7, e07340.	3.2	17
77	L-fuzzy G-subalgebras of G-algebras. Journal of the Egyptian Mathematical Society, 2015, 23, 219-223.	1.2	16
78	Certain competition graphs based on picture fuzzy environment with applications. Artificial Intelligence Review, 2021, 54, 3141-3171.	15.7	16
79	First Zagreb index on a fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10575-10587.	1.4	16
80	Colouring of COVID-19 Affected Region Based on Fuzzy Directed Graphs. Computers, Materials and Continua, 2021, 68, 1219-1233.	1.9	16
81	An efficient algorithm to generate all maximal independent sets on trapezoid graphs. International Journal of Computer Mathematics, 1999, 70, 587-599.	1.8	15
82	Similarity Relations, Invertibility and Eigenvalues of Intuitoinistic Fuzzy Matrix. Fuzzy Information and Engineering, 2013, 5, 431-443.	1.7	15
83	Bipolar fuzzy matrices. Soft Computing, 2019, 23, 9885-9897.	3.6	15
84	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.	1.4	15
85	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.	5.7	15
86	A Study on Semi-directed Graphs for Social Media Networks. International Journal of Computational Intelligence Systems, 2021, 14, 1034.	2.7	15
87	(â^, â^Ââ˜'Âq)-intuitionistic fuzzy BCI-subalgebras of a BCI-algebra. Journal of Intelligent and Fuzzy Systems, 2016, 31, 613-621.	1.4	14
88	A note on â€œRegular bipolar fuzzy graphsâ€•Neural Computing and Applications 21(1) (2012) 197â€“205. Neural Computing and Applications, 2018, 30, 1569-1572.	5.6	14
89	Application of Strong Arcs in m-Polar Fuzzy Graphs. Neural Processing Letters, 2019, 50, 771-784.	3.2	14
90	Hyper-Wiener index for fuzzy graph and its application in share market. Journal of Intelligent and Fuzzy Systems, 2021, 41, 2073-2083.	1.4	14

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91	Some more results on fuzzy k-competition graphs. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	14
92	<i>L</i>(0, 1)-Labelling of Cactus Graphs. Communications and Network, 2012, 04, 18-29.	0.8	14
93	Interval-valued Fuzzy Matrices with Interval-valued Fuzzy Rows and Columns. Fuzzy Information and Engineering, 2015, 7, 335-368.	1.7	13
94	Distance Two Surjective Labelling of Paths and Interval Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.9	13
95	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.	15.7	13
96	A Data Structure on Interval Graphs and Its Applications. Journal of Circuits, Systems and Computers, 1997, 07, 165-175.	1.5	12
97	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.	0.7	12
98	A study on bipolar fuzzy planar graph and its application in image shrinking. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1863-1874.	1.4	12
99	Certain types of edge irregular intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 295-305.	1.4	12
100	Product of interval-valued fuzzy graphs and degree. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6443-6451.	1.4	12
101	Fuzzy Tolerance Graphs. , 2020, , 153-173.		12
102	An Efficient Algorithm for Finding All Hinge Vertices on Trapezoid Graphs. Theory of Computing Systems, 2003, 36, 17-27.	1.1	11
103	Maximum weightk-independent set problem on permutation graphs. International Journal of Computer Mathematics, 2003, 80, 1477-1487.	1.8	11
104	The Generalized Inverse of Atanassov's Intuitionistic Fuzzy Matrices. International Journal of Computational Intelligence Systems, 2014, 7, 1083.	2.7	11
105	Triangular norm based fuzzy $$BG$$ B G -algebras. Afrika Matematika, 2016, 27, 187-199.	0.8	11
106	Interval valued EOQ model with two types of defective items. Journal of Statistics and Management Systems, 2018, 21, 1059-1082.	0.6	11
107	Optimization in business strategy as a part of sustainable economic growth using clique covering of fuzzy graphs. Soft Computing, 2021, 25, 7095-7118.	3.6	11
108	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.	1.8	10

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109	An Efficient Algorithm to Generate all Maximal Cliques on Trapezoid Graphs. International Journal of Computer Mathematics, 2002, 79, 1057-1065.	1.8	10
110	Doubt Atanassov's intuitionistic fuzzy Sub-implicative ideals inBCI-algebras. International Journal of Computational Intelligence Systems, 2015, 8, 240-249.	2.7	10
111	Application of Bipolar Fuzzy Sets in Planar Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 773-785.	1.6	10
112	Generalized Intuitionistic Fuzzy Ideals of BCKâˆ•BCI-algebras Based on 3-valued Logic and Its Computational Study. Fuzzy Information and Engineering, 2017, 9, 455-478.	1.7	10
113	Certain types of m-polar interval-valued fuzzy graph. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3137-3150.	1.4	10
114	Vertex covering problems of fuzzy graphs and their application in CCTV installation. Neural Computing and Applications, 2021, 33, 5483-5506.	5.6	10
115	Fuzzy Threshold Graph. , 2020, , 145-152.		10
116	Fuzzy Sets, Intuitionistic Fuzzy Sets. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-17.	0.4	10
117	Fuzzy B-subalgebras of B-algebra with Respect to t-norm. Journal of Fuzzy Set Valued Analysis, 0, 2012, 1-11.	0.2	10
118	AN OPTIMAL PARALLEL ALGORITHM TO COLOR AN INTERVAL GRAPH. Parallel Processing Letters, 1996, 06, 439-449.	0.6	9
119	Multi-Fuzzy Complex Numbers and Multi-Fuzzy Complex Sets. International Journal of Fuzzy System Applications, 2015, 4, 15-27.	0.7	9
120	Regular product vague graphs and product vague line graphs. Cogent Mathematics, 2016, 3, 1213214.	0.4	9
121	Cubic Intuitionistic q-Ideals of BCI-Algebras. Symmetry, 2018, 10, 752.	2.2	9
122	Novel concepts in intuitionistic fuzzy graphs with application. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3743-3749.	1.4	9
123	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.	1.4	9
124	Different types of cubic ideals in BCI-algebras based on fuzzy points. Afrika Matematika, 2020, 31, 367-381.	0.8	9
125	Picture fuzzy matrix and its application. Soft Computing, 2020, 24, 9413-9428.	3.6	9
126	Covering problem on fuzzy graphs and its application in disaster management system. Soft Computing, 2021, 25, 2545-2557.	3.6	9

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127	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.	2.5	9
128	A Study of an EOQ Model of Growing Items with Parabolic Dense Fuzzy Lock Demand Rate. Applied System Innovation, 2021, 4, 81.	4.6	9
129	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.	2.5	9
130	A parallel algorithm to generate all maximal independent sets on permutation graphs. International Journal of Computer Mathematics, 1998, 67, 261-274.	1.8	8
131	An optimal pram algorithm for a spanning tree on trapezoid graphs. Journal of Applied Mathematics and Computing, 2003, 12, 21-29.	2.5	8
132	Fuzzy matrices with fuzzy rows and columns. Journal of Intelligent and Fuzzy Systems, 2015, 30, 561-573.	1.4	8
133	New concepts of vague competition graphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 69-75.	1.4	8
134	Application of (Î±,Î²)-soft intersectional sets on BCK/BCI-algebras. International Journal of Intelligent Systems Technologies and Applications, 2017, 16, 269.	0.2	8
135	Fuzzy permutation graph and its complements. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2199-2213.	1.4	8
136	Comment on â€œWiener index of a fuzzy graph and application to illegal immigration networksâ€• Fuzzy Sets and Systems, 2020, 384, 148-151.	2.7	8
137	Labelling of Cactus Graphs. Mapana Journal of Sciences, 2012, 11, 15-42.	0.1	8
138	An investigation on m-polar fuzzy tolerance graph and its application. Neural Computing and Applications, 2022, 34, 3007-3017.	5.6	8
139	THE PARALLEL ALGORITHMS FOR DETERMINING EDGE-PACKING AND EFFICIENT EDGE DOMINATING SETS IN INTERVAL GRAPHS. International Journal of Parallel, Emergent and Distributed Systems, 1995, 7, 193-207.	0.4	7
140	An Optimal Algorithm to Solve 2-Neighbourhood Covering Problem on Interval Graphs. International Journal of Computer Mathematics, 2002, 79, 189-204.	1.8	7
141	An Optimal Algorithm to Solve the All-Pairs Shortest Paths Problem on Permutation Graphs. Mathematical Modelling and Algorithms, 2003, 2, 57-65.	0.5	7
142	An optimal parallel algorithm to construct a tree 3-spanner on interval graphs. International Journal of Computer Mathematics, 2005, 82, 259-274.	1.8	7
143	Maximum weight independent set of circular-arc graph and its application. Journal of Applied Mathematics and Computing, 2006, 22, 161-174.	2.5	7
144	Genetic algorithmic approach to find the maximum weight independent set of a graph. Journal of Applied Mathematics and Computing, 2007, 25, 217-229.	2.5	7

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145	Interval Cut-Set of Generalized Interval-Valued Intuitionistic Fuzzy Sets. International Journal of Fuzzy System Applications, 2012, 2, 35-50.	0.7	7
146	L(0,1)-labelling of Permutation Graphs. Mathematical Modelling and Algorithms, 2015, 14, 469-479.	0.5	7
147	Rank of interval-valued fuzzy matrices. Afrika Matematika, 2016, 27, 97-114.	0.8	7
148	Novel Concepts of Strongly Edge Irregular m-Polar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 3321-3332.	1.6	7
149	Surjective LÂ(2, 1)-labeling of cycles and circular-arc graphs. Journal of Intelligent and Fuzzy Systems, 2018, 35, 739-748.	1.4	7
150	Some m-polar fuzzy operators and their application in multiple-attribute decision-making process. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	7
151	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.	5.6	7
152	On m-Polar Interval-valued Fuzzy Graph and its Application. Fuzzy Information and Engineering, 2020, 12, 71-96.	1.7	7
153	Efficient algorithms to compute all articulation points of a permutation graph. Korean Journal of Computational and Applied Mathematics, 1998, 5, 141-152.	0.2	6
154	An optimal parallel algorithm for computing cut vertices and blocks on interval graphs. International Journal of Computer Mathematics, 2000, 75, 59-70.	1.8	6
155	An efficient pram algorithm for maximum-weight independent set on permutation graphs. Journal of Applied Mathematics and Computing, 2005, 19, 77-92.	2.5	6
156	Genetic algorithm to solve the p-centre and p-radius problem on a network. International Journal of Computer Mathematics, 2005, 82, 541-550.	1.8	6
157	An efficient algorithm to find next-to-shortest path onÂpermutation graphs. Journal of Applied Mathematics and Computing, 2009, 31, 369-384.	2.5	6
158	Minimum 2-Tuple Dominating Set of an Interval Graph. International Journal of Combinatorics, 2011, 2011, 1-14.	0.2	6
159	The Conditional Covering Problem on Unweighted Interval Graphs with Nonuniform Coverage Radius. Mathematics in Computer Science, 2012, 6, 33-41.	0.4	6
160	Derivation, f-derivation and generalized derivation of KUS-algebras. Cogent Mathematics, 2015, 2, 1064602.	0.4	6
161	Similarity relations, eigenvalues and eigenvectors of bipolar fuzzy matrix. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2297-2307.	1.4	6
162	t-derivations on complicated subtraction algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 1583-1595.	0.8	6

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163	Genus of graphs under picture fuzzy environment with applications. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10741-10756.	4.9	6
164	Multiplicative consistency analysis of linguistic preference relation with selfâ€confidence level and selfâ€doubting level and its application in a group decision making. International Journal of Intelligent Systems, 2021, 36, 5389-5418.	5.7	6
165	Picture fuzzy tolerance graphs with application. Complex & Intelligent Systems, 2022, 8, 541-554.	6.5	6
166	An optimal parallel algorithm for solving all-pairs shortest paths problem on circular-arc graphs. Journal of Applied Mathematics and Computing, 2005, 17, 1-23.	2.5	5
167	(Î±,Î²)-Soft Intersectional Rings and Ideals with their Applications. New Mathematics and Natural Computation, 2019, 15, 333-350.	0.7	5
168	Fuzzy intersection graph: a geometrical approach. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4823-4847.	4.9	5
169	A novel concept of domination in m-polar interval-valued fuzzy graph and its application. Neural Computing and Applications, 2022, 34, 745-756.	5.6	5
170	L(3,2,1)-Labeling problems on trapezoid graphs. Discrete Mathematics, Algorithms and Applications, 2021, 13, .	0.6	5
171	L(h_1,h_2,...,h_m)-LABELING PROBLEMS ON CIRCULAR-ARC GRAPHS. Far East Journal of Mathematical Sciences, 2017, 102, 1279-1300.	0.0	5
172	An Introduction to Picture Fuzzy Graph and Its Application to Select Best Routes in an Airlines Network. Advances in Computer and Electrical Engineering Book Series, 2022, , 385-411.	0.3	5
173	On chromatic number and perfectness of fuzzy graph. Information Sciences, 2022, 597, 392-411.	6.9	5
174	An optimal algorithm for finding depth-first spanning tree on permutation graphs. Korean Journal of Computational and Applied Mathematics, 1999, 6, 493-500.	0.2	4
175	The optimal sequential and parallel algorithms to compute all hinge vertices on interval graphs. Korean Journal of Computational and Applied Mathematics, 2001, 8, 295-309.	0.2	4
176	Optimal Sequential and Parallel Algorithms to Compute All Cut Vertices on Trapezoid Graphs. Computational Optimization and Applications, 2004, 27, 95-113.	1.6	4
177	Solution of rectangular fuzzy games. Opsearch, 2007, 44, 211-226.	1.8	4
178	An efficient algorithm to solve connectivity problem on trapezoid graphs. Journal of Applied Mathematics and Computing, 2007, 24, 141-154.	2.5	4
179	Thek-neighbourhood-covering problem on interval graphs. International Journal of Computer Mathematics, 2010, 87, 1918-1935.	1.8	4
180	Minimum 2-tuple dominating set of permutation graphs. Journal of Applied Mathematics and Computing, 2013, 43, 133-150.	2.5	4

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181	An efficient algorithm to solve the distancek-domination problem on permutation graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2016, 19, 241-255.	0.8	4
182	An intelligent decision for a bi-objective inventory problem. International Journal of Systems Science: Operations and Logistics, 2016, 3, 49-62.	3.0	4
183	On (Î±,Î²)-US Sets in BCK/BCI-Algebras. Mathematics, 2019, 7, 252.	2.2	4
184	Generation of maximal fuzzy cliques of fuzzy permutation graph and applications. Artificial Intelligence Review, 2020, 53, 1585-1614.	15.7	4
185	Doubt Intuitionistic Fuzzy Deals In BCK/BCI-Algebras. International Journal of Fuzzy Logic Systems, 2015, 5, 01-13.	0.2	4
186	An Introduction to Intersection Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 24-65.	0.3	4
187	Optimal Sequential And Parallel Algorithms To Compute A Steiner Tree On Permutation Graphs. International Journal of Computer Mathematics, 2003, 80, 937-943.	1.8	3
188	A linear time algorithm to construct a tree 4-spanner on trapezoid graphs. International Journal of Computer Mathematics, 2010, 87, 743-755.	1.8	3
189	A linear time algorithm to compute square of interval graphs and their colouring. AKCE International Journal of Graphs and Combinatorics, 2016, 13, 54-64.	0.7	3
190	Characterization of intuitionistic fuzzy BG-subalgebras of BG-algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2018, 21, 1549-1558.	0.8	3
191	Edge Colouring of Neutrosophic Graphs and Its Application in Detection of Phishing Website. Discrete Dynamics in Nature and Society, 2022, 2022, 1-8.	0.9	3
192	On hesitant multi-fuzzy soft topology. Pacific Science Review B Humanities and Social Sciences, 2015, 1, 124-130.	0.4	2
193	Multi-Fuzzy Complex Nilpotent Matrices. International Journal of Fuzzy System Applications, 2016, 5, 52-76.	0.7	2
194	Interval-Valued Doubt Fuzzy Ideals in BCK-Algebras. International Journal of Fuzzy System Applications, 2019, 8, 101-121.	0.7	2
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