

Madhumangal Pal

List of Publications by Year in descending order

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Version: 2024-02-01

216
papers

4,570
citations

136740

32
h-index

155451

55
g-index

218
all docs

218
docs citations

218
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.2	9
2	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.	3.3	18
3	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.	1.2	9
4	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.	4.0	17
5	Fuzzy intersection graph: a geometrical approach. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4823-4847.	3.3	5
6	A novel concept of domination in m-polar interval-valued fuzzy graph and its application. Neural Computing and Applications, 2022, 34, 745-756.	3.2	5
7	Picture fuzzy tolerance graphs with application. Complex & Intelligent Systems, 2022, 8, 541-554.	4.0	6
8	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.	3.3	18
9	An investigation on m-polar fuzzy tolerance graph and its application. Neural Computing and Applications, 2022, 34, 3007-3017.	3.2	8
10	Energy of interval-valued fuzzy graphs and its application in ecological systems. Journal of Applied Mathematics and Computing, 2022, 68, 3327-3345.	1.2	1
11	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.	9.7	13
12	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.	0.2	5
13	Strong domination integrity in graphs and fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2022, 43, 2619-2632.	0.8	1
14	Multiple attribute dynamic decision making method based on some complex aggregation functions in CQROF setting. Computational and Applied Mathematics, 2022, 41, 1.	1.0	22
15	On chromatic number and perfectness of fuzzy graph. Information Sciences, 2022, 597, 392-411.	4.0	5
16	Picture fuzzy sub-hyperspace of a hyper vector space and its application in decision making problem. AIMS Mathematics, 2022, 7, 13361-13382.	0.7	0
17	Edge Colouring of Neutrosophic Graphs and Its Application in Detection of Phishing Website. Discrete Dynamics in Nature and Society, 2022, 2022, 1-8.	0.5	3
18	A study on cubic graphs with novel application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 89-101.	0.8	35

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19	Certain competition graphs based on picture fuzzy environment with applications. Artificial Intelligence Review, 2021, 54, 3141-3171.	9.7	16
20	Interval valued m-polar fuzzy planar graph and its application. Artificial Intelligence Review, 2021, 54, 1649-1675.	9.7	17
21	Generalized neutrosophic planar graphs and its application. Journal of Applied Mathematics and Computing, 2021, 65, 693-712.	1.2	22
22	Vertex covering problems of fuzzy graphs and their application in CCTV installation. Neural Computing and Applications, 2021, 33, 5483-5506.	3.2	10
23	Covering problem on fuzzy graphs and its application in disaster management system. Soft Computing, 2021, 25, 2545-2557.	2.1	9
24	Multi-criteria decision making approach based on SVTrN Dombi aggregation functions. Artificial Intelligence Review, 2021, 54, 3685-3723.	9.7	52
25	Multiple Attribute Decision-Making Based on Uncertain Linguistic Operators in Neutrosophic Environment. , 2021, , 315-341.		0
26	Multi-criteria decision making process based on some single-valued neutrosophic Dombi power aggregation operators. Soft Computing, 2021, 25, 5055.	2.1	31
27	A Study on Semi-directed Graphs for Social Media Networks. International Journal of Computational Intelligence Systems, 2021, 14, 1034.	1.6	15
28	Extended bipolar fuzzy EDAS approach for multi-criteria group decision-making process. Computational and Applied Mathematics, 2021, 40, 1.	1.0	31
29	Genus of graphs under picture fuzzy environment with applications. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10741-10756.	3.3	6
30	Optimization in business strategy as a part of sustainable economic growth using clique covering of fuzzy graphs. Soft Computing, 2021, 25, 7095-7118.	2.1	11
31	First Zagreb index on a fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10575-10587.	0.8	16
32	Some m-polar fuzzy operators and their application in multiple-attribute decision-making process. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	7
33	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.	4.3	55
34	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.	3.2	7
35	Multiplicative consistency analysis of linguistic preference relation with self-confidence level and self-doubting level and its application in a group decision making. International Journal of Intelligent Systems, 2021, 36, 5389-5418.	3.3	6
36	Distance Two Surjective Labelling of Paths and Interval Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.5	13

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37	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.	1.4	17
38	Balanced picture fuzzy graph with application. <i>Artificial Intelligence Review</i> , 2021, 54, 5255-5281.	9.7	21
39	Intuitionistic Fuzzy Dombi Hybrid Decision-Making Method and Their Applications to Enterprise Financial Performance Evaluation. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	26
40	Hyper-Wiener index for fuzzy graph and its application in share market. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 2073-2083.	0.8	14
41	Colouring of COVID-19 Affected Region Based on Fuzzy Directed Graphs. <i>Computers, Materials and Continua</i> , 2021, 68, 1219-1233.	1.5	16
42	L(3,2,1)-Labeling problems on trapezoid graphs. <i>Discrete Mathematics, Algorithms and Applications</i> , 2021, 13, .	0.4	5
43	A Study of an EOQ Model of Growing Items with Parabolic Dense Fuzzy Lock Demand Rate. <i>Applied System Innovation</i> , 2021, 4, 81.	2.7	9
44	Bipolar fuzzy Dombi prioritized aggregation operators in multiple attribute decision making. <i>Soft Computing</i> , 2020, 24, 3631-3646.	2.1	67
45	Generation of maximal fuzzy cliques of fuzzy permutation graph and applications. <i>Artificial Intelligence Review</i> , 2020, 53, 1585-1614.	9.7	4
46	Comment on "Wiener index of a fuzzy graph and application to illegal immigration networks". <i>Fuzzy Sets and Systems</i> , 2020, 384, 148-151.	1.6	8
47	Different types of cubic ideals in BCI-algebras based on fuzzy points. <i>Afrika Matematika</i> , 2020, 31, 367-381.	0.4	9
48	Multiple-attribute decision making problems based on SVTNH methods. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 3717-3733.	3.3	54
49	Modern Trends in Fuzzy Graph Theory. , 2020, , .		43
50	Complete neighbourhood centrality and its application. , 2020, , .		0
51	Picture fuzzy matrix and its application. <i>Soft Computing</i> , 2020, 24, 9413-9428.	2.1	9
52	An Extension of Fuzzy Competition Graph and Its Uses in Manufacturing Industries. <i>Mathematics</i> , 2020, 8, 1008.	1.1	19
53	Certain types of m-polar interval-valued fuzzy graph. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 3137-3150.	0.8	10
54	Pythagorean linguistic preference relations and their applications to group decision making using group recommendations based on consistency matrices and feedback mechanism. <i>International Journal of Intelligent Systems</i> , 2020, 35, 826-849.	3.3	15

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55	Picture Fuzzy Subring of a Crisp Ring. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2020, 91, 429.	0.8	2
56	Fuzzy fractional coloring of fuzzy graph with its application. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5771-5784.	3.3	25
57	Fuzzy Threshold Graph. , 2020, , 145-152.		10
58	Fuzzy Tolerance Graphs. , 2020, , 153-173.		12
59	On m-Polar Interval-valued Fuzzy Graph and its Application. Fuzzy Information and Engineering, 2020, 12, 71-96.	1.0	7
60	Applications of Edge Colouring of Fuzzy Graphs. Informatica, 2020, , 313-330.	1.5	27
61	Link Prediction in Social Networks by Neutrosophic Graph. International Journal of Computational Intelligence Systems, 2020, 13, 1699.	1.6	22
62	A novel approach to hesitant multi-fuzzy soft set based decision-making. AIMS Mathematics, 2020, 5, 1985-2008.	0.7	24
63	L(h,k)-Labeling of Intersection Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 135-170.	0.2	2
64	An Introduction to Fuzzy Matrices. Advances in Computer and Electrical Engineering Book Series, 2020, , 1-25.	0.2	0
65	Interval-Valued Fuzzy Graphs. International Journal of Fuzzy Logic and Intelligent Systems, 2020, 20, 316-323.	0.6	1
66	Coloring of Fuzzy Graph. , 2020, , 175-193.		0
67	An Introduction to Intersection Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 24-65.	0.2	4
68	Fundamentals of Fuzzy Graphs. , 2020, , 1-98.		0
69	Fuzzy Competition Graphs. , 2020, , 125-144.		0
70	Few Applications of Fuzzy Graphs. , 2020, , 275-305.		2
71	Pythagorean fuzzy Dombi aggregation operators and its applications in multiple attribute decision-making. International Journal of Intelligent Systems, 2019, 34, 2019-2038.	3.3	98
72	Some Dombi aggregation of $\langle i \rangle Q \langle /i \rangle$ -rung orthopair fuzzy numbers in multiple-attribute decision making. International Journal of Intelligent Systems, 2019, 34, 3220-3240.	3.3	136

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73	Novel concepts in intuitionistic fuzzy graphs with application. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3743-3749.	0.8	9
74	RSM index: A new way of link prediction in social networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2137-2151.	0.8	30
75	Application of Strong Arcs in m-Polar Fuzzy Graphs. Neural Processing Letters, 2019, 50, 771-784.	2.0	14
76	Radio fuzzy graphs and assignment of frequency in radio stations. Computational and Applied Mathematics, 2019, 38, 1.	1.0	23
77	A Robust Single-Valued Neutrosophic Soft Aggregation Operators in Multi-Criteria Decision Making. Symmetry, 2019, 11, 110.	1.1	64
78	$(\hat{I}_{\pm}, \hat{I}^2)$ -Soft Intersectional Rings and Ideals with their Applications. New Mathematics and Natural Computation, 2019, 15, 333-350.	0.4	5
79	On $(\hat{I}_{\pm}, \hat{I}^2)$ -US Sets in BCK/BCI-Algebras. Mathematics, 2019, 7, 252.	1.1	4
80	Bipolar fuzzy matrices. Soft Computing, 2019, 23, 9885-9897.	2.1	15
81	Interval-Valued Doubt Fuzzy Ideals in BCK-Algebras. International Journal of Fuzzy System Applications, 2019, 8, 101-121.	0.5	2
82	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.	0.8	15
83	Assessment of Enterprise Performance Based on Picture Fuzzy Hamacher Aggregation Operators. Symmetry, 2019, 11, 75.	1.1	49
84	Picture fuzzy Dombi aggregation operators: Application to MADM process. Applied Soft Computing Journal, 2019, 74, 99-109.	4.1	236
85	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.	3.3	133
86	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.	0.8	9
87	Genus value of m-polar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1947-1957.	0.8	26
88	Study on centrality measures in social networks: a survey. Social Network Analysis and Mining, 2018, 8, 1.	1.9	252
89	A study on bipolar fuzzy planar graph and its application in image shrinking. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1863-1874.	0.8	12
90	Certain types of edge irregular intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 295-305.	0.8	12

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91	A note on "Regular bipolar fuzzy graphs" • Neural Computing and Applications 21(1) (2012) 197-205. Neural Computing and Applications, 2018, 30, 1569-1572.	3.2	14
92	Interval-Valued Complex Fuzzy Sets and Its Application to the Malaysian Economy. International Journal of Fuzzy System Applications, 2018, 7, 22-31.	0.5	17
93	Application of Bipolar Intuitionistic Fuzzy Soft Sets in Decision Making Problem. International Journal of Fuzzy System Applications, 2018, 7, 32-55.	0.5	35
94	Fuzzy colouring of m-polar fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6379-6391.	0.8	22
95	Product of interval-valued fuzzy graphs and degree. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6443-6451.	0.8	12
96	Cubic Intuitionistic q-Ideals of BCI-Algebras. Symmetry, 2018, 10, 752.	1.1	9
97	Characterization of intuitionistic fuzzy $\langle i \rangle BG \langle /i \rangle$ -subalgebras of $\langle i \rangle BG \langle /i \rangle$ -algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2018, 21, 1549-1558.	0.5	3
98	Interval valued EOQ model with two types of defective items. Journal of Statistics and Management Systems, 2018, 21, 1059-1082.	0.3	11
99	Surjective $L\hat{A}(2, 1)$ -labeling of cycles and circular-arc graphs. Journal of Intelligent and Fuzzy Systems, 2018, 35, 739-748.	0.8	7
100	Fuzzy permutation graph and its complements. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2199-2213.	0.8	8
101	$L(1, 1, 1)$ - AND $L(1, 1, 1)$ -LABELING PROBLEMS OF SQUARE OF PATH, COMPLETE GRAPH AND COMPLETE BIPARTITE GRAPH. Far East Journal of Mathematical Sciences, 2018, 106, 515-527.	0.0	1
102	Trapezoidal neutrosophic aggregation operators and its application in multiple attribute decision making process. Scientia Iranica, 2018, .	0.3	27
103	Application of Bipolar Fuzzy Sets in Planar Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 773-785.	0.9	10
104	Fuzzy ϕ -tolerance competition graphs. Soft Computing, 2017, 21, 3723-3734.	2.1	47
105	Certain Types of Product Bipolar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 605-619.	0.9	30
106	$L(0, \hat{1})$ -Labelling of Trapezoid Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 599-610.	0.9	1
107	Intuitionistic fuzzy tolerance graphs with application. Journal of Applied Mathematics and Computing, 2017, 55, 495-511.	1.2	47
108	$L(3,2,1)$ - and $L(4,3,2,1)$ -labeling problems on interval graphs. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 205-215.	0.4	12

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109	Scheduling Algorithm to Select Optimal Programme Slots in Television Channels: A Graph Theoretic Approach. International Journal of Applied and Computational Mathematics, 2017, 3, 1931-1950.	0.9	0
110	Novel Concepts of Strongly Edge Irregular m-Polar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 3321-3332.	0.9	7
111	Product of intuitionistic fuzzy graphs and \hat{A} degree. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1059-1067.	0.8	41
112	Covering and paired domination in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2017, 33, 4007-4015.	0.8	33
113	Application of (\hat{I}_\pm, \hat{I}^2) -soft intersectional sets on BCK/BCI-algebras. International Journal of Intelligent Systems Technologies and Applications, 2017, 16, 269.	0.2	8
114	$\langle i \rangle$ -derivations on complicated subtraction algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 1583-1595.	0.5	6
115	Generalized Intuitionistic Fuzzy Ideals of $\langle i \rangle$ -BCK $\hat{\ast}$ BCI-algebras Based on $\langle i \rangle$ -valued Logic and Its Computational Study. Fuzzy Information and Engineering, 2017, 9, 455-478.	1.0	10
116	$L(h_1, h_2, \dots, h_m)$ -LABELING PROBLEMS ON CIRCULAR-ARC GRAPHS. Far East Journal of Mathematical Sciences, 2017, 102, 1279-1300.	0.0	5
117	Fuzzy Sets, Intuitionistic Fuzzy Sets. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-17.	0.4	10
118	Application of (\hat{I}_\pm, \hat{I}^2) -soft intersectional sets on BCK/BCI-algebras. International Journal of Intelligent Systems Technologies and Applications, 2017, 16, 269.	0.2	2
119	Interval-valued fuzzy ϕ -tolerance competition graphs. SpringerPlus, 2016, 5, 1981.	1.2	32
120	Multi-Fuzzy Complex Nilpotent Matrices. International Journal of Fuzzy System Applications, 2016, 5, 52-76.	0.5	2
121	$(\hat{a}, \hat{a}^{\hat{A}})$ -intuitionistic fuzzy BCI-subalgebras of a BCI-algebra. Journal of Intelligent and Fuzzy Systems, 2016, 31, 613-621.	0.8	14
122	Faces and dual of m-polar fuzzy planar \hat{A} graphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2043-2049.	0.8	43
123	A study on fuzzy labeling graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3349-3355.	0.8	22
124	Some isomorphic properties of m-polar fuzzy graphs with applications. SpringerPlus, 2016, 5, 2104.	1.2	34
125	Completeness and regularity of generalized fuzzy graphs. SpringerPlus, 2016, 5, 1979.	1.2	32
126	Similarity relations, eigenvalues and eigenvectors of bipolar fuzzy matrix. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2297-2307.	0.8	6

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127	Some properties of m-polar fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2016, 18, 38-46.	0.4	19
128	A study on m-polar fuzzy planar graphs. International Journal of Computing Science and Mathematics, 2016, 7, 283.	0.2	40
129	Regular product vague graphs and product vague line graphs. Cogent Mathematics, 2016, 3, 1213214.	0.4	9
130	A study on vague graphs. SpringerPlus, 2016, 5, 1234.	1.2	17
131	Regularity of vague graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3681-3689.	0.8	34
132	New concepts of vague competition graphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 69-75.	0.8	8
133	A linear time algorithm to compute square of interval graphs and their colouring. AKCE International Journal of Graphs and Combinatorics, 2016, 13, 54-64.	0.4	3
134	An efficient algorithm to solve the distance k -domination problem on permutation graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2016, 19, 241-255.	0.5	4
135	Interval-valued fuzzy planar graphs. International Journal of Machine Learning and Cybernetics, 2016, 7, 653-664.	2.3	82
136	Triangular norm based fuzzy BG -algebras. Afrika Matematika, 2016, 27, 187-199.	0.4	11
137	Product of bipolar fuzzy graphs and their degree. International Journal of General Systems, 2016, 45, 1-14.	1.2	61
138	An intelligent decision for a bi-objective inventory problem. International Journal of Systems Science: Operations and Logistics, 2016, 3, 49-62.	2.0	4
139	Intuitionistic fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2016, 52, 37-57.	1.2	65
140	Rank of interval-valued fuzzy matrices. Afrika Matematika, 2016, 27, 97-114.	0.4	7
141	Fuzzy colouring of fuzzy graphs. Afrika Matematika, 2016, 27, 37-50.	0.4	58
142	TOPSIS in Generalized Intuitionistic Fuzzy Environment. Advances in Computational Intelligence and Robotics Book Series, 2016, , 630-642.	0.4	2
143	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
144	On hesitant multi-fuzzy soft topology. Pacific Science Review B Humanities and Social Sciences, 2015, 1, 124-130.	0.4	2

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145	Fuzzy matrices with fuzzy rows and columns. Journal of Intelligent and Fuzzy Systems, 2015, 30, 561-573.	0.8	8
146	Multi-Fuzzy Complex Numbers and Multi-Fuzzy Complex Sets. International Journal of Fuzzy System Applications, 2015, 4, 15-27.	0.5	9
147	Doubt Atanassov's intuitionistic fuzzy Sub-implicative ideals inBCI-algebras. International Journal of Computational Intelligence Systems, 2015, 8, 240-249.	1.6	10
148	L(0,1)-labelling of Permutation Graphs. Mathematical Modelling and Algorithms, 2015, 14, 469-479.	0.5	7
149	Derivation, f-derivation and generalized derivation of KUS-algebras. Cogent Mathematics, 2015, 2, 1064602.	0.4	6
150	Different types of products on intuitionistic fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2015, 17, 87-96.	0.4	32
151	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
152	Fuzzy Planar Graphs. IEEE Transactions on Fuzzy Systems, 2015, 23, 1936-1942.	6.5	119
153	Bipolar Fuzzy Graphs with Categorical Properties. International Journal of Computational Intelligence Systems, 2015, 8, 808.	1.6	79
154	Cubic Subalgebras and Cubic Closed Ideals of B -algebras. Fuzzy Information and Engineering, 2015, 7, 129-149.	1.0	36
155	On Intuitionistic Fuzzy G -subalgebras of G -algebras. Fuzzy Information and Engineering, 2015, 7, 195-209.	1.0	18
156	A study on bipolar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2015, 28, 571-580.	0.8	107
157	L(2,1)-labeling of interval graphs. Journal of Applied Mathematics and Computing, 2015, 49, 419-432.	1.2	20
158	Interval-valued Fuzzy Matrices with Interval-valued Fuzzy Rows and Columns. Fuzzy Information and Engineering, 2015, 7, 335-368.	1.0	13
159	L-fuzzy G -subalgebras of G -algebras. Journal of the Egyptian Mathematical Society, 2015, 23, 219-223.	0.6	16
160	L(2, 1)-Labeling of Permutation and Bipartite Permutation Graphs. Mathematics in Computer Science, 2015, 9, 113-123.	0.2	17
161	m -Step fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2015, 47, 461-472.	1.2	97
162	Doubt Intuitionistic Fuzzy Deals In BCK/BCI-Algebras. International Journal of Fuzzy Logic Systems, 2015, 5, 01-13.	0.2	4

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163	The Generalized Inverse of Atanassov's Intuitionistic Fuzzy Matrices. International Journal of Computational Intelligence Systems, 2014, 7, 1083.	1.6	11
164	Intuitionistic \mathbb{L} -fuzzy ideals of \mathbb{B} -algebras. Afrika Matematika, 2014, 25, 577-590.	0.4	18
165	New concepts of fuzzy planar graphs. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	40
166	Some more results on fuzzy k -competition graphs. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	14
167	Minimum 2-tuple dominating set of permutation graphs. Journal of Applied Mathematics and Computing, 2013, 43, 133-150.	1.2	4
168	Similarity Relations, Invertibility and Eigenvalues of Intuitionistic Fuzzy Matrix. Fuzzy Information and Engineering, 2013, 5, 431-443.	1.0	15
169	Fuzzy k -Competition Graphs and p -Competition Fuzzy Graphs. Fuzzy Information and Engineering, 2013, 5, 191-204.	1.0	144
170	Some Properties of Generalized Intuitionistic Fuzzy Nilpotent Matrices over Distributive Lattice. Fuzzy Information and Engineering, 2012, 4, 371-387.	1.0	23
171	Interval Cut-Set of Generalized Interval-Valued Intuitionistic Fuzzy Sets. International Journal of Fuzzy System Applications, 2012, 2, 35-50.	0.5	7
172	The Conditional Covering Problem on Unweighted Interval Graphs with Nonuniform Coverage Radius. Mathematics in Computer Science, 2012, 6, 33-41.	0.2	6
173	Labelling of Cactus Graphs. Mapana Journal of Sciences, 2012, 11, 15-42.	0.0	8
174	$(0, 1)$ -Labelling of Cactus Graphs. Communications and Network, 2012, 04, 18-29.	0.6	14
175	Minimum 2-Tuple Dominating Set of an Interval Graph. International Journal of Combinatorics, 2011, 2011, 1-14.	0.2	6
176	Efficient Algorithms to Solve k -Domination Problem on Permutation Graphs. Communications in Computer and Information Science, 2011, , 327-334.	0.4	2
177	The k -neighbourhood-covering problem on interval graphs. International Journal of Computer Mathematics, 2010, 87, 1918-1935.	1.0	4
178	A linear time algorithm to construct a tree 4-spanner on trapezoid graphs. International Journal of Computer Mathematics, 2010, 87, 743-755.	1.0	3
179	LINEAR PROGRAMMING TECHNIQUE TO SOLVE TWO PERSON MATRIX GAMES WITH INTERVAL PAY-OFFS. Asia-Pacific Journal of Operational Research, 2009, 26, 285-305.	0.9	39
180	An efficient algorithm to find next-to-shortest path on permutation graphs. Journal of Applied Mathematics and Computing, 2009, 31, 369-384.	1.2	6

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181	Solution of rectangular fuzzy games. Opsearch, 2007, 44, 211-226.	1.1	4
182	Selection of programme slots of television channels for giving advertisement: A graph theoretic approach. Information Sciences, 2007, 177, 2480-2492.	4.0	34
183	An efficient algorithm to solve connectivity problem on trapezoid graphs. Journal of Applied Mathematics and Computing, 2007, 24, 141-154.	1.2	4
184	Genetic algorithmic approach to find the maximum weight independent set of a graph. Journal of Applied Mathematics and Computing, 2007, 25, 217-229.	1.2	7
185	Maximum weight independent set of circular-arc graph and its application. Journal of Applied Mathematics and Computing, 2006, 22, 161-174.	1.2	7
186	An efficient pram algorithm for maximum-weight independent set on permutation graphs. Journal of Applied Mathematics and Computing, 2005, 19, 77-92.	1.2	6
187	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.	1.2	5
188	Shortest Path Problem on a Network with Imprecise Edge Weight. Fuzzy Optimization and Decision Making, 2005, 4, 293-312.	3.4	62
189	Genetic algorithm to solve the p-centre and p-radius problem on a network. International Journal of Computer Mathematics, 2005, 82, 541-550.	1.0	6
190	An optimal parallel algorithm to construct a tree 3-spanner on interval graphs. International Journal of Computer Mathematics, 2005, 82, 259-274.	1.0	7
191	Optimal Sequential and Parallel Algorithms to Compute All Cut Vertices on Trapezoid Graphs. Computational Optimization and Applications, 2004, 27, 95-113.	0.9	4
192	Two new operators on fuzzy matrices. Journal of Applied Mathematics and Computing, 2004, 15, 91-107.	1.2	32
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