

Madhumangal Pal

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/5606787/publications.pdf](https://exaly.com/author-pdf/5606787/publications.pdf)

Version: 2024-02-01

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	Multiplicative Version of First Zagreb Index in Fuzzy Graph and its Application in Crime Analysis. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2024, 94, 127-141.	1.2	2
2	Prediction on nature of cancer by fuzzy graphoidal covering number using artificial neural network. Artificial Intelligence in Medicine, 2024, 148, 102783.	6.7	3
3	Hybrid multi-criteria decision-making method with a bipolar fuzzy approach and its applications to economic condition analysis. Engineering Applications of Artificial Intelligence, 2024, 132, 107837.	8.3	8
4	An analysis of effect of higher order endothermic/exothermic chemical reaction on magnetized casson hybrid nanofluid flow using fuzzy triangular number. Engineering Applications of Artificial Intelligence, 2024, 133, 108119.	8.3	2
5	Decision-making for supplier selection problems based on QUALIFLEX technique using likelihood method in LIVIFS environment. Expert Systems With Applications, 2024, 252, 124136.	7.9	0
6	Bipolar Fuzzy Matrices. , 2024, , 289-333.		0
7	Intuitionistic Fuzzy Matrices. , 2024, , 179-253.		0
8	Picture Fuzzy Matrices. , 2024, , 335-356.		0
9	Fuzzy Matrices. , 2024, , 1-63.		0
10	Interval-Valued Intuitionistic Fuzzy Matrices. , 2024, , 255-288.		0
11	Neutrosophic Matrix and Neutrosophic Fuzzy Matrix. , 2024, , 381-423.		0
12	Matrices of Interval Numbers. , 2024, , 145-177.		0
13	m-Polar Fuzzy Matrices. , 2024, , 445-481.		0
14	Pythagorean and Spherical Fuzzy Matrices. , 2024, , 357-380.		0
15	Fuzzy Matrices with Uncertain Rows and Columns. , 2024, , 425-443.		0
16	Covering of fuzzy graphs and its application in emergency aircraft landing using particle swarm optimization method. Applied Soft Computing Journal, 2024, , 112035.	7.4	0
17	Matrices of Triangular Fuzzy Numbers. , 2024, , 109-143.		0
18	Interval-Valued Fuzzy Matrices. , 2024, , 65-107.		0

#	ARTICLE	IF	CITATIONS
19	m-Polar interval-valued fuzzy hypergraphs and its application in decision-making problems. <i>Heliyon</i> , 2024, 10, e35996.	3.3	0
20	Hyper-Zagreb index in fuzzy environment and its application. <i>Heliyon</i> , 2024, , e36110.	3.3	0
21	A Study on Linguistic Z-Graph and Its Application in Social Networks. <i>Mathematics</i> , 2024, 12, 2898.	2.3	0
22	Neighbourhood and competition graphs under fuzzy incidence graph and its application. <i>Computational and Applied Mathematics</i> , 2024, 43, .	2.2	0
23	Further development of F-index for fuzzy graph and its application in Indian railway crime. <i>Journal of Applied Mathematics and Computing</i> , 2023, 69, 321-353.	2.4	11
24	An investigation of edge F-index on fuzzy graphs and application in molecular chemistry. <i>Complex & Intelligent Systems</i> , 2023, 9, 2043-2063.	6.5	7
25	Sustainable carbon-dioxide storage assessment in geological media using modified Pythagorean fuzzy VIKOR and DEMATEL approach. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 9474-9497.	7.2	31
26	A Novel Method for Generating the M-Tri-Basis of an Ordered \tilde{I}^* -Semigroup. <i>Mathematics</i> , 2023, 11, 893.	2.3	2
27	Novelty for Different Prime Partial Bi-Ideals in Non-Commutative Partial Rings and Its Extension. <i>Mathematics</i> , 2023, 11, 1309.	2.3	0
28	Integrity on m-Polar Fuzzy Graphs and Its Application. <i>Mathematics</i> , 2023, 11, 1398.	2.3	4
29	Detecting influential node in a network using neutrosophic graph and its application. <i>Soft Computing</i> , 2023, 27, 9247-9260.	3.8	4
30	Multiple Attribute Trigonometric Decision-Making and Its Application to the Selection of Engineers. <i>Journal of Mathematics</i> , 2023, 2023, 1-27.	1.0	2
31	Social network trust relationship environment based advanced ovarian cancer treatment decision-making model: An approach based on linguistic information with expertsâ€™ multiple confidence levels. <i>Expert Systems With Applications</i> , 2023, 229, 120407.	7.9	8
32	Multi-criteria group decision-making method in disposal of municipal solid waste based on cubic Pythagorean fuzzy EDAS approach with incomplete weight information. <i>Applied Soft Computing Journal</i> , 2023, 144, 110515.	7.4	10
33	Enhancing Multi-Attribute Decision Making with Pythagorean Fuzzy Hamacher Aggregation Operators. , 2023, 1, 30-54.		1
34	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
35	A study of an EOQ model of green items with the effect of carbon emission under pentagonal intuitionistic dense fuzzy environment. <i>Soft Computing</i> , 2023, 27, 15033-15055.	3.8	7
36	Inverse Graphs in m-Polar Fuzzy Environments and Their Application in Robotics Manufacturing Allocation Problems with New Techniques of Resolvability. <i>Symmetry</i> , 2023, 15, 1387.	2.3	1

#	ARTICLE	IF	CITATIONS
37	Interval-Valued Picture Fuzzy Uncertain Linguistic Dombi Operators and Their Application in Industrial Fund Selection. , 2023, 1, 110-124.		5
38	An improvement to the interval type-2 fuzzy VIKOR method. Knowledge-Based Systems, 2023, 280, 111055.	7.4	13
39	Multi-attribute group decision making method based on Pythagorean fuzzy Einstein interactive power averaging approach for sustainable cement industry. Applied Soft Computing Journal, 2023, 148, 110898.	7.4	2
40	Fundamentals of Fuzzy Optimization and Decision-Making Problems. , 2023, , 1-31.		1
41	Project Management Using Network Analysis in Fuzzy Environment. , 2023, , 111-133.		0
42	Generalized m -Polar Fuzzy Planar Graph and Its Application. IEEE Access, 2023, 11, 138399-138413.	4.4	2
43	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.	5.3	19
44	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
45	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	19
46	Fuzzy intersection graph: a geometrical approach. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4823-4847.	5.3	6
47	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
48	Picture fuzzy tolerance graphs with application. Complex & Intelligent Systems, 2022, 8, 541-554.	6.5	7
49	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.	5.8	23
50	An investigation on m -polar fuzzy tolerance graph and its application. Neural Computing and Applications, 2022, 34, 3007-3017.	5.7	9
51	Energy of interval-valued fuzzy graphs and its application in ecological systems. Journal of Applied Mathematics and Computing, 2022, 68, 3327-3345.	2.4	3
52	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
53	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.	0.0	7
54	Independent Fuzzy Graph: A New Approach. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2022, 92, 373-389.	1.2	1

#	ARTICLE	IF	CITATIONS
55	Strong domination integrity in graphs and fuzzy graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 43, 2619-2632.	1.6	2
56	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
57	Dental Anxiety in Children With Autism Spectrum Disorder: Understanding Frequency and Associated Variables. <i>Frontiers in Psychiatry</i> , 2022, 13, 838557.	2.7	6
58	On chromatic number and perfectness of fuzzy graph. <i>Information Sciences</i> , 2022, 597, 392-411.	7.2	6
59	Picture fuzzy sub-hyperspace of a hyper vector space and its application in decision making problem. <i>AIMS Mathematics</i> , 2022, 7, 13361-13382.	1.6	2
60	Edge Colouring of Neutrosophic Graphs and Its Application in Detection of Phishing Website. <i>Discrete Dynamics in Nature and Society</i> , 2022, 2022, 1-8.	0.9	5
61	L(2,1,1)-labeling of interval graphs. <i>International Journal of Mathematics for Industry</i> , 2022, 14, .	1.0	2
62	Fuzzy tree covering number for fuzzy graphs with its real-life application in electricity distribution system. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, .	1.4	6
63	Picture Fuzzy Subring of a Crisp Ring. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2021, 91, 429-434.	1.2	3
64	A study on cubic graphs with novel application. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 89-101.	1.6	41
65	Certain competition graphs based on picture fuzzy environment with applications. <i>Artificial Intelligence Review</i> , 2021, 54, 3141-3171.	16.1	18
66	Interval valued m-polar fuzzy planar graph and its application. <i>Artificial Intelligence Review</i> , 2021, 54, 1649-1675.	16.1	19
67	Generalized neutrosophic planar graphs and its application. <i>Journal of Applied Mathematics and Computing</i> , 2021, 65, 693-712.	2.4	25
68	Vertex covering problems of fuzzy graphs and their application in CCTV installation. <i>Neural Computing and Applications</i> , 2021, 33, 5483-5506.	5.7	11
69	Covering problem on fuzzy graphs and its application in disaster management system. <i>Soft Computing</i> , 2021, 25, 2545-2557.	3.8	10
70	Multi-criteria decision making approach based on SVTrN Dombi aggregation functions. <i>Artificial Intelligence Review</i> , 2021, 54, 3685-3723.	16.1	56
71	Multiple Attribute Decision-Making Based on Uncertain Linguistic Operators in Neutrosophic Environment. , 2021, , 315-341.		1
72	Multi-criteria decision making process based on some single-valued neutrosophic Dombi power aggregation operators. <i>Soft Computing</i> , 2021, 25, 5055.	3.8	34

#	ARTICLE	IF	CITATIONS
73	A Study on Semi-directed Graphs for Social Media Networks. International Journal of Computational Intelligence Systems, 2021, 14, 1034.	2.7	15
74	Extended bipolar fuzzy EDAS approach for multi-criteria group decision-making process. Computational and Applied Mathematics, 2021, 40, 1.	2.2	38
75	Genus of graphs under picture fuzzy environment with applications. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10741-10756.	5.3	7
76	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
77	First Zagreb index on a fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10575-10587.	1.6	21
78	Some m-polar fuzzy operators and their application in multiple-attribute decision-making process. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.4	8
79	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.	8.3	58
80	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
81	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.	5.8	8
82	Distance Two Surjective Labelling of Paths and Interval Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.9	14
83	Multi-attribute decision making method using advanced Pythagorean fuzzy weighted geometric operator and their applications for real estate company selection. Heliyon, 2021, 7, e07340.	3.3	20
84	Balanced picture fuzzy graph with application. Artificial Intelligence Review, 2021, 54, 5255-5281.	16.1	26
85	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
86	Hyper-Wiener index for fuzzy graph and its application in share market. Journal of Intelligent and Fuzzy Systems, 2021, 41, 2073-2083.	1.6	21
87	A meta-collection of nitrogen stable isotope data measured in Arctic marine organisms from the Canadian Beaufort Sea, 1983–2013. BMC Research Notes, 2021, 14, 347.	1.4	2
88	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
89	Colouring of COVID-19 Affected Region Based on Fuzzy Directed Graphs. Computers, Materials and Continua, 2021, 68, 1219-1233.	2.0	17
90	L(3,2,1)-Labeling problems on trapezoid graphs. Discrete Mathematics, Algorithms and Applications, 2021, 13, .	0.6	5

#	ARTICLE	IF	CITATIONS
91	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
92	Multiple Attribute Decision-Making Problem Using Picture Fuzzy Graph. Mathematical Problems in Engineering, 2021, 2021, 1-16.	1.2	14
93	Uji Aktivitas Antioksidan Ekstrak Buah Kersen (Muntingia calabura L.) Menggunakan 1,1-Difenil-2-Pikrilhidrazil. Media Eksakta, 2021, 17, 85-90.	0.1	0
94	Bipolar fuzzy Dombi prioritized aggregation operators in multiple attribute decision making. Soft Computing, 2020, 24, 3631-3646.	3.8	75
95	Generation of maximal fuzzy cliques of fuzzy permutation graph and applications. Artificial Intelligence Review, 2020, 53, 1585-1614.	16.1	5
96	Comment on "Wiener index of a fuzzy graph and application to illegal immigration networks". Fuzzy Sets and Systems, 2020, 384, 148-151.	3.0	8
97	Different types of cubic ideals in BCI-algebras based on fuzzy points. Afrika Matematika, 2020, 31, 367-381.	0.8	10
98	Multiple-attribute decision making problems based on SVTNN methods. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3717-3733.	5.3	55
99	A Novel Strategy for Decoding and Validating the Combination Principles of Huanglian Jiedu Decoction From Multi-Scale Perspective. Frontiers in Pharmacology, 2020, 11, 567088.	3.6	20
100	Complete neighbourhood centrality and its application. , 2020, , .		0
101	Picture fuzzy matrix and its application. Soft Computing, 2020, 24, 9413-9428.	3.8	20
102	An Extension of Fuzzy Competition Graph and Its Uses in Manufacturing Industries. Mathematics, 2020, 8, 1008.	2.3	20
103	Certain types of m-polar interval-valued fuzzy graph. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3137-3150.	1.6	13
104	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
105	Fuzzy fractional coloring of fuzzy graph with its application. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5771-5784.	5.3	27
106	Fuzzy Threshold Graph. , 2020, , 145-152.		10
107	Fuzzy Tolerance Graphs. , 2020, , 153-173.		12
108	On m -Polar Interval-valued Fuzzy Graph and its Application. Fuzzy Information and Engineering, 2020, 12, 71-96.	1.6	10

#	ARTICLE	IF	CITATIONS
109	Applications of Edge Colouring of Fuzzy Graphs. Informatica, 2020, , 313-330.	2.8	33
110	Link Prediction in Social Networks by Neutrosophic Graph. International Journal of Computational Intelligence Systems, 2020, 13, 1699.	2.7	27
111	A novel approach to hesitant multi-fuzzy soft set based decision-making. AIMS Mathematics, 2020, 5, 1985-2008.	1.6	31
112	Graph Indices. Advances in Computer and Electrical Engineering Book Series, 2020, , 66-91.	0.0	11
113	L(h,k)-Labeling of Intersection Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 135-170.	0.0	2
114	An Introduction to Fuzzy Matrices. Advances in Computer and Electrical Engineering Book Series, 2020, , 1-25.	0.0	1
115	Interval-Valued Fuzzy Graphs. International Journal of Fuzzy Logic and Intelligent Systems, 2020, 20, 316-323.	1.2	2
116	Domination Theory in Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 1-23.	0.0	0
117	Coloring of Fuzzy Graph. , 2020, , 175-193.		1
118	The Hyper-Zagreb Index and Some Properties of Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 120-134.	0.0	1
119	An Introduction to Intersection Graphs. Advances in Computer and Electrical Engineering Book Series, 2020, , 24-65.	0.0	4
120	Fundamentals of Fuzzy Graphs. , 2020, , 1-98.		0
121	Fuzzy Competition Graphs. , 2020, , 125-144.		0
122	Few Applications of Fuzzy Graphs. , 2020, , 275-305.		2
123	Pythagorean fuzzy Dombi aggregation operators and its applications in multiple attribute decision-making. International Journal of Intelligent Systems, 2019, 34, 2019-2038.	5.8	107
124	Some Dombi aggregation of Q -rung orthopair fuzzy numbers in multiple attribute decision making. International Journal of Intelligent Systems, 2019, 34, 3220-3240.	5.8	152
125	Novel concepts in intuitionistic fuzzy graphs with application. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3743-3749.	1.6	12
126	RSM index: A new way of link prediction in social networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2137-2151.	1.6	34

#	ARTICLE	IF	CITATIONS
127	Application of Strong Arcs in m-Polar Fuzzy Graphs. Neural Processing Letters, 2019, 50, 771-784.	3.3	17
128	Radio fuzzy graphs and assignment of frequency in radio stations. Computational and Applied Mathematics, 2019, 38, 1.	2.2	24
129	A Robust Single-Valued Neutrosophic Soft Aggregation Operators in Multi-Criteria Decision Making. Symmetry, 2019, 11, 110.	2.3	65
130	$(\hat{I}_{\pm}, \hat{I}_{\pm}^2)$ -Soft Intersectional Rings and Ideals with their Applications. New Mathematics and Natural Computation, 2019, 15, 333-350.	0.7	8
131	On $(\hat{I}_{\pm}, \hat{I}_{\pm}^2)$ -US Sets in BCK/BCI-Algebras. Mathematics, 2019, 7, 252.	2.3	4
132	Bipolar fuzzy matrices. Soft Computing, 2019, 23, 9885-9897.	3.8	28
133	Theoretical Analysis of an Imprecise Prey-Predator Model with Harvesting and Optimal Control. Journal of Optimization, 2019, 2019, 1-12.	5.0	7
134	The Mechanical Properties of Granite under Ultrasonic Vibration. Advances in Civil Engineering, 2019, 2019, 1-11.	0.7	6
135	Interval-Valued Doubt Fuzzy Ideals in BCK-Algebras. International Journal of Fuzzy System Applications, 2019, 8, 101-121.	0.7	4
136	let-7 MicroRNAs Regulate Microglial Function and Suppress Glioma Growth through Toll-Like Receptor 7. Cell Reports, 2019, 29, 3460-3471.e7.	6.3	73
137	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
138	Assessment of Enterprise Performance Based on Picture Fuzzy Hamacher Aggregation Operators. Symmetry, 2019, 11, 75.	2.3	52
139	Picture fuzzy Dombi aggregation operators: Application to MADM process. Applied Soft Computing Journal, 2019, 74, 99-109.	7.4	251
140	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.	5.3	146
141	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
142	Genus value of m-polar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1947-1957.	1.6	29
143	Study on centrality measures in social networks: a survey. Social Network Analysis and Mining, 2018, 8, 1.	3.0	284
144	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

#	ARTICLE	IF	CITATIONS
145	Certain types of edge irregular intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 295-305.	1.6	14
146	A note on "Regular bipolar fuzzy graphs" Neural Computing and Applications 21(1) (2012) 197-205. Neural Computing and Applications, 2018, 30, 1569-1572.	5.7	15
147	Interval-Valued Complex Fuzzy Sets and Its Application to the Malaysian Economy. International Journal of Fuzzy System Applications, 2018, 7, 22-31.	0.7	18
148	Application of Bipolar Intuitionistic Fuzzy Soft Sets in Decision Making Problem. International Journal of Fuzzy System Applications, 2018, 7, 32-55.	0.7	41
149	Fuzzy colouring of m-polar fuzzy graph and its application. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6379-6391.	1.6	23
150	Product of interval-valued fuzzy graphs and degree. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6443-6451.	1.6	13
151	Cubic Intuitionistic q-Ideals of BCI-Algebras. Symmetry, 2018, 10, 752.	2.3	10
152	Characterization of intuitionistic fuzzy $\langle i \rangle$ BG-subalgebras of $\langle i \rangle$ BG-algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2018, 21, 1549-1558.	0.8	4
153	Interval valued EOQ model with two types of defective items. Journal of Statistics and Management Systems, 2018, 21, 1059-1082.	0.6	13
154	The effects of body region, season and external arsenic application on hair cortisol concentration. , 2018, 6, coy037.		30
155	Surjective $L(2, 1)$ -labeling of cycles and circular-arc graphs. Journal of Intelligent and Fuzzy Systems, 2018, 35, 739-748.	1.6	7
156	Fuzzy permutation graph and its complements. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2199-2213.	1.6	9
157	$L(1, 1, 1)$ - 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
158	Trapezoidal neutrosophic aggregation operators and its application in multiple attribute decision making process. Scientia Iranica, 2018, .	0.5	31
159	Application of Bipolar Fuzzy Sets in Planar Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 773-785.	1.7	10
160	Fuzzy ϕ -tolerance competition graphs. Soft Computing, 2017, 21, 3723-3734.	3.8	51
161	Certain Types of Product Bipolar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 605-619.	1.7	34
162	$L(0,1)$ -Labelling of Trapezoid Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 599-610.	1.7	1

#	ARTICLE	IF	CITATIONS
163	Stability behaviour of antiretroviral drugs and their combinations. 6: evidence of formation of potentially toxic degradation products of zidovudine under hydrolytic and photolytic conditions. RSC Advances, 2017, 7, 18803-18814.	3.7	8
164	Intuitionistic fuzzy tolerance graphs with application. Journal of Applied Mathematics and Computing, 2017, 55, 495-511.	2.4	49
165	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
166	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.	1.7	0
167	Novel Concepts of Strongly Edge Irregular m-Polar Fuzzy Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 3321-3332.	1.7	8
168	Product of intuitionistic fuzzy graphs and \hat{A} -degree. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1059-1067.	1.6	44
169	Covering and paired domination in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2017, 33, 4007-4015.	1.6	41
170	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
171	$\langle i \rangle$ -derivations on complicated subtraction algebras. Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 1583-1595.	0.8	6
172	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
173	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
174	Fuzzy Sets, Intuitionistic Fuzzy Sets. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-17.	0.0	10
175	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
176	Interval-valued fuzzy ϕ -tolerance competition graphs. SpringerPlus, 2016, 5, 1981.	1.2	35
177	Multi-Fuzzy Complex Nilpotent Matrices. International Journal of Fuzzy System Applications, 2016, 5, 52-76.	0.7	12
178	$(\hat{a}, \hat{a}^{\hat{A}})$ -intuitionistic fuzzy BCI-subalgebras of a BCI-algebra. Journal of Intelligent and Fuzzy Systems, 2016, 31, 613-621.	1.6	16
179	Faces and dual of m-polar fuzzy planar \hat{A} graphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2043-2049.	1.6	45
180	A study on fuzzy labeling graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3349-3355.	1.6	25

#	ARTICLE	IF	CITATIONS
181	Some isomorphic properties of m-polar fuzzy graphs with applications. SpringerPlus, 2016, 5, 2104.	1.2	37
182	Completeness and regularity of generalized fuzzy graphs. SpringerPlus, 2016, 5, 1979.	1.2	36
183	Similarity relations, eigenvalues and eigenvectors of bipolar fuzzy matrix. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2297-2307.	1.6	17
184	Some properties of m-polar fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2016, 18, 38-46.	0.4	20
185	A study on m-polar fuzzy planar graphs. International Journal of Computing Science and Mathematics, 2016, 7, 283.	0.3	42
186	Regular product vague graphs and product vague line graphs. Cogent Mathematics, 2016, 3, 1213214.	0.4	9
187	A common genetic variant in 19q13.3 is associated with outcome of multiple myeloma patients treated with Total Therapy 2 and 3. British Journal of Haematology, 2016, 174, 991-993.	2.7	6
188	A study on vague graphs. SpringerPlus, 2016, 5, 1234.	1.2	18
189	Regularity of vague graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3681-3689.	1.6	36
190	New concepts of vague competition graphs. Journal of Intelligent and Fuzzy Systems, 2016, 31, 69-75.	1.6	8
191	Management of spontaneous intracerebral haemorrhages. Presse Medicale, 2016, 45, e419-e428.	2.1	1
192	A linear time algorithm to compute square of interval graphs and their colouring. AKCE International Journal of Graphs and Combinatorics, 2016, 13, 54-64.	0.6	3
193	An efficient algorithm to solve the distance k -domination problem on permutation graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2016, 19, 241-255.	0.8	4
194	Interval-valued fuzzy planar graphs. International Journal of Machine Learning and Cybernetics, 2016, 7, 653-664.	3.7	86
195	Triangular norm based fuzzy BG -algebras. Afrika Matematika, 2016, 27, 187-199.	0.8	11
196	Product of bipolar fuzzy graphs and their degree. International Journal of General Systems, 2016, 45, 1-14.	2.5	69
197	An intelligent decision for a bi-objective inventory problem. International Journal of Systems Science: Operations and Logistics, 2016, 3, 49-62.	2.9	4
198	Intuitionistic fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2016, 52, 37-57.	2.4	68

#	ARTICLE	IF	CITATIONS
199	Rank of interval-valued fuzzy matrices. <i>Afrika Matematika</i> , 2016, 27, 97-114.	0.8	19
200	Liebnitz-Thirring inequalities for generalized magnetic fields. <i>Bulletin of Mathematical Sciences</i> , 2016, 6, 1-14.	0.9	4
201	Fuzzy colouring of fuzzy graphs. <i>Afrika Matematika</i> , 2016, 27, 37-50.	0.8	61
202	TOPSIS in Generalized Intuitionistic Fuzzy Environment. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2016, , 630-642.	0.0	2
203	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
204	On hesitant multi-fuzzy soft topology. <i>Pacific Science Review B Humanities and Social Sciences</i> , 2015, 1, 124-130.	0.4	2
205	Neighborhood Racial Characteristics, Credit History, and Bankcard Credit in Indian Country. <i>SSRN Electronic Journal</i> , 2015, , .	0.3	0
206	Albumin Kinetics in Patients Undergoing Major Abdominal Surgery. <i>PLoS ONE</i> , 2015, 10, e0136371.	2.5	49
207	Multi-Fuzzy Complex Numbers and Multi-Fuzzy Complex Sets. <i>International Journal of Fuzzy System Applications</i> , 2015, 4, 15-27.	0.7	10
208	Doubt Atanassov's intuitionistic fuzzy Sub-implicative ideals in \mathcal{L} -algebras. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 240.	2.7	11
209	$L(0,1)$ -labelling of Permutation Graphs. <i>Mathematical Modelling and Algorithms</i> , 2015, 14, 469-479.	0.5	7
210	Derivation, $\langle i \rangle$ -derivation and generalized derivation of $\langle i \rangle$ -algebras. <i>Cogent Mathematics</i> , 2015, 2, 1064602.	0.4	7
211	Different types of products on intuitionistic fuzzy graphs. <i>Pacific Science Review A Natural Science and Engineering</i> , 2015, 17, 87-96.	0.4	33
212	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
213	Fuzzy Planar Graphs. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1936-1942.	10.5	124
214	Bipolar Fuzzy Graphs with Categorical Properties. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 808.	2.7	84
215	Cubic Subalgebras and Cubic Closed Ideals of $\langle i \rangle$ -algebras. <i>Fuzzy Information and Engineering</i> , 2015, 7, 129-149.	1.6	36
216	On Intuitionistic Fuzzy $\langle i \rangle$ -subalgebras of $\langle i \rangle$ -algebras. <i>Fuzzy Information and Engineering</i> , 2015, 7, 195-209.	1.6	19

#	ARTICLE	IF	CITATIONS
217	A study on bipolar fuzzy graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 571-580.	1.6	115
218	L(2,1)-labeling of interval graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 49, 419-432.	2.4	21
219	L-fuzzy G-subalgebras of G-algebras. <i>Journal of the Egyptian Mathematical Society</i> , 2015, 23, 219-223.	1.2	16
220	L(2, 1)-Labeling of Permutation and Bipartite Permutation Graphs. <i>Mathematics in Computer Science</i> , 2015, 9, 113-123.	0.5	19
221	m -Step fuzzy competition graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 47, 461-472.	2.4	99
222	The Generalized Inverse of Atanassov's Intuitionistic Fuzzy Matrices. <i>International Journal of Computational Intelligence Systems</i> , 2014, 7, 1083.	2.7	23
223	Intuitionistic L -fuzzy ideals of BG -algebras. <i>Afrika Matematika</i> , 2014, 25, 577-590.	0.8	19
224	New concepts of fuzzy planar graphs. <i>International Journal of Advanced Research in Artificial Intelligence</i> , 2014, 3, .	0.2	41
225	Some more results on fuzzy k -competition graphs. <i>International Journal of Advanced Research in Artificial Intelligence</i> , 2014, 3, .	0.2	14
226	Minimum 2-tuple dominating set of permutation graphs. <i>Journal of Applied Mathematics and Computing</i> , 2013, 43, 133-150.	2.4	4
227	Similarity Relations, Invertibility and Eigenvalues of Intuitionistic Fuzzy Matrix. <i>Fuzzy Information and Engineering</i> , 2013, 5, 431-443.	1.6	27
228	Fuzzy k -Competition Graphs and p -Competition Fuzzy Graphs. <i>Fuzzy Information and Engineering</i> , 2013, 5, 191-204.	1.6	148
229	Some Properties of Generalized Intuitionistic Fuzzy Nilpotent Matrices over Distributive Lattice. <i>Fuzzy Information and Engineering</i> , 2012, 4, 371-387.	1.6	29
230	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
231	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
232	Labelling of Cactus Graphs. <i>Mapana Journal of Sciences</i> , 2012, 11, 15-42.	0.1	8
233	$L(0, 1)$ -Labelling of Cactus Graphs. <i>Communications and Network</i> , 2012, 04, 18-29.	0.9	14
234	Minimum 2-Tuple Dominating Set of an Interval Graph. <i>International Journal of Combinatorics</i> , 2011, 2011, 1-14.	0.2	7

#	ARTICLE	IF	CITATIONS
235	Efficient Algorithms to Solve k -Domination Problem on Permutation Graphs. Communications in Computer and Information Science, 2011, , 327-334.	0.0	2
236	The k -neighbourhood-covering problem on interval graphs. International Journal of Computer Mathematics, 2010, 87, 1918-1935.	1.7	4
237	A linear time algorithm to construct a tree 4-spanner on trapezoid graphs. International Journal of Computer Mathematics, 2010, 87, 743-755.	1.7	3
238	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	41
239	An efficient algorithm to find next-to-shortest path on permutation graphs. Journal of Applied Mathematics and Computing, 2009, 31, 369-384.	2.4	6
240	Surface instability and isotopic impurities in quantum solids. Physical Review B, 2008, 77, .	3.3	2
241	Solution of rectangular fuzzy games. Opsearch, 2007, 44, 211-226.	1.8	4
242	Selection of programme slots of television channels for giving advertisement: A graph theoretic approach. Information Sciences, 2007, 177, 2480-2492.	7.2	37
243	An efficient algorithm to solve connectivity problem on trapezoid graphs. Journal of Applied Mathematics and Computing, 2007, 24, 141-154.	2.4	4
244	Genetic algorithmic approach to find the maximum weight independent set of a graph. Journal of Applied Mathematics and Computing, 2007, 25, 217-229.	2.4	7
245	Maximum weight independent set of circular-arc graph and its application. Journal of Applied Mathematics and Computing, 2006, 22, 161-174.	2.4	7
246	An efficient pram algorithm for maximum-weight independent set on permutation graphs. Journal of Applied Mathematics and Computing, 2005, 19, 77-92.	2.4	6
247	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.	2.4	5
248	Shortest Path Problem on a Network with Imprecise Edge Weight. Fuzzy Optimization and Decision Making, 2005, 4, 293-312.	5.7	63
249	Genetic algorithm to solve the p -centre and p -radius problem on a network. International Journal of Computer Mathematics, 2005, 82, 541-550.	1.7	6
250	Optimal Sequential and Parallel Algorithms to Compute All Cut Vertices on Trapezoid Graphs. Computational Optimization and Applications, 2004, 27, 95-113.	1.7	4
251	Two new operators on fuzzy matrices. Journal of Applied Mathematics and Computing, 2004, 15, 91-107.	2.4	46
252	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

#	ARTICLE	IF	CITATIONS
253	An optimal pram algorithm for a spanning tree on trapezoid graphs. Journal of Applied Mathematics and Computing, 2003, 12, 21-29.	2.4	8
254	An Efficient Algorithm for Finding All Hinge Vertices on Trapezoid Graphs. Theory of Computing Systems, 2003, 36, 17-27.	1.1	11
255	Maximum weightk-independent set problem on permutation graphs. International Journal of Computer Mathematics, 2003, 80, 1477-1487.	1.7	11
256	Optimal Sequential And Parallel Algorithms To Compute A Steiner Tree On Permutation Graphs. International Journal of Computer Mathematics, 2003, 80, 937-943.	1.7	3
257	An Efficient Algorithm to Generate all Maximal Cliques on Trapezoid Graphs. International Journal of Computer Mathematics, 2002, 79, 1057-1065.	1.7	10
258	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
259	An Optimal Algorithm to Solve 2-Neighbourhood Covering Problem on Interval Graphs. International Journal of Computer Mathematics, 2002, 79, 189-204.	1.7	7
260	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
261	An Efficient Algorithm for Finding a Maximum Weight k-Independent Set on Trapezoid Graphs. Computational Optimization and Applications, 2001, 18, 49-62.	1.7	18
262	An optimal parallel algorithm for computing cut vertices and blocks on interval graphs. International Journal of Computer Mathematics, 2000, 75, 59-70.	1.7	6
263	An optimal parallel algorithm to compute all cutvertices and blocks on permutation graphs. International Journal of Computer Mathematics, 1999, 72, 449-462.	1.7	1
264	An optimal algorithm for finding depth-first spanning tree on permutation graphs. Journal of Applied Mathematics and Computing, 1999, 6, 493-500.	2.4	4
265	An efficient algorithm to generate all maximal independent sets on trapezoid graphs. International Journal of Computer Mathematics, 1999, 70, 587-599.	1.7	15
266	Efficient algorithms to compute all articulation points of a permutation graph. Journal of Applied Mathematics and Computing, 1998, 5, 141-152.	2.4	7
267	A parallel algorithm to generate all maximal independent sets on permutation graphs. International Journal of Computer Mathematics, 1998, 67, 261-274.	1.7	8
268	A Data Structure on Interval Graphs and Its Applications. Journal of Circuits, Systems and Computers, 1997, 07, 165-175.	1.6	12
269	AN OPTIMAL PARALLEL ALGORITHM TO COLOR AN INTERVAL GRAPH. Parallel Processing Letters, 1996, 06, 439-449.	0.5	9
270	A sequential algorithm for finding a maximum weightK-independent set on interval graphs. International Journal of Computer Mathematics, 1996, 60, 205-214.	1.7	21

#	ARTICLE	IF	CITATIONS
271	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
272	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
273	Cliques and Clique Covers in Interval-Valued Fuzzy Graphs. International Journal of Computational Intelligence Systems, 0, , .	2.7	0
274	Fuzzy B-subalgebras of B-algebra with Respect to t-norm. Journal of Fuzzy Set Valued Analysis, 0, 2012, 1-11.	0.2	10
275	Novel resolvability parameter of some well-known graphs and exchange properties with applications. Journal of Applied Mathematics and Computing, 0, , .	2.4	1
276	A comprehensive study on m -polar picture fuzzy graphs and its application. Journal of Uncertain Systems, 0, , .	0.7	0