

Strong intuitionistic fuzzy graphs

Filomat

26, 177-196

DOI: [10.2298/fil1201177a](https://doi.org/10.2298/fil1201177a)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Intuitionistic fuzzy shortest hyperpath in a network. Information Processing Letters, 2013, 113, 599-603.	0.4	28
2	Intuitionistic fuzzy hypergraphs with applications. Information Sciences, 2013, 218, 182-193.	4.0	160
3	Strongest Strong Cycles and θ -Fuzzy Graphs. IEEE Transactions on Fuzzy Systems, 2013, 21, 1096-1104.	6.5	38
4	Certain Types of Interval-Valued Fuzzy Graphs. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.4	17
5	Cycle connectivity in fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2013, 24, 549-554.	0.8	36
6	Intuitionistic Fuzzy Cycles and Intuitionistic Fuzzy Trees. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	31
7	Novel Applications of Intuitionistic Fuzzy Digraphs in Decision Support Systems. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	36
8	Complement and Isomorphism on Bipolar Fuzzy Graphs. Fuzzy Information and Engineering, 2014, 6, 505-522.	1.0	20
9	Vague hypergraphs. Journal of Intelligent and Fuzzy Systems, 2014, 26, 647-653.	0.8	37
10	Fuzzy detour g -interior nodes and fuzzy detour g -boundary nodes of a fuzzy graph. Journal of Intelligent and Fuzzy Systems, 2014, 27, 435-442.	0.8	3
11	Intuitionistic Fuzzy Planar Graphs. Discrete Dynamics in Nature and Society, 2014, 2014, 1-9.	0.5	32
12	On $\{N\}$ -hypergraphs. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2937-2944.	0.8	6
13	Different types of products on intuitionistic fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2015, 17, 87-96.	0.4	32
14	On blocks and stars in fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1659-1665.	0.8	13
15	Strong Domination in Fuzzy Graphs. Fuzzy Information and Engineering, 2015, 7, 369-377.	1.0	33
16	Connectivity Analysis of Cyclically Balanced Fuzzy Graphs. Fuzzy Information and Engineering, 2015, 7, 245-255.	1.0	15
17	Self centered interval-valued fuzzy graphs. Afrika Matematika, 2015, 26, 887-898.	0.4	14
18	Certain types of intuitionistic fuzzy directed hypergraphs. International Journal of Machine Learning and Cybernetics, 2016, 7, 287-295.	2.3	18

#	ARTICLE	IF	CITATIONS
19	Certain types of fuzzy sets in a fuzzy graph. International Journal of Machine Learning and Cybernetics, 2016, 7, 573-579.	2.3	15
20	Fuzzy soft graphs with applications. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3619-3632.	0.8	49
21	An algorithm for computing certain metrics in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2405-2416.	0.8	37
22	Strong and superstrong vertices in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 671-678.	0.8	6
23	Isomorphism on fuzzy soft graphs. AIP Conference Proceedings, 2016, , .	0.3	0
24	Operations on Intuitionistic Fuzzy Graph Structures. Fuzzy Information and Engineering, 2016, 8, 389-410.	1.0	25
25	Decision-making method based on the interval valued neutrosophic graph. , 2016, , .		32
26	Chromatic Number of Resultant of Fuzzy Graphs. Fuzzy Information and Engineering, 2016, 8, 229-235.	1.0	5
27	f-morphism on bipolar fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 651-658.	0.8	4
28	Properties of interval valued intuitionistic (S,T) " Fuzzy graphs. Pacific Science Review A Natural Science and Engineering, 2016, 18, 30-37.	0.4	10
29	New concepts of interval-valued intuitionistic (S, T)-fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1893-1901.	0.8	20
30	Double domination on intuitionistic fuzzy graphs. Journal of Applied Mathematics and Computing, 2016, 52, 515-528.	1.2	16
31	Intuitionistic fuzzy competition graphs. Journal of Applied Mathematics and Computing, 2016, 52, 37-57.	1.2	65
32	Operations on single valued neutrosophic graphs with application. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2137-2151.	0.8	36
33	New Concepts of Fuzzy Labeling Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 173-184.	0.9	3
34	Some operations on fuzzy soft graphs. AIP Conference Proceedings, 2017, , .	0.3	1
35	Clustering Algorithm for Intuitionistic Fuzzy Graphs. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 367-383.	0.9	26
36	On intuitionistic fuzzy soft graphs. AIP Conference Proceedings, 2017, , .	0.3	1

#	ARTICLE	IF	CITATIONS
37	Regularity of graphs in single valued neutrosophic environment. Journal of Intelligent and Fuzzy Systems, 2017, 33, 529-542.	0.8	17
38	Intuitionistic fuzzy tolerance graphs with application. Journal of Applied Mathematics and Computing, 2017, 55, 495-511.	1.2	47
39	Neutrosophic competition graphs with applications. Journal of Intelligent and Fuzzy Systems, 2017, 33, 921-935.	0.8	27
40	Certain networks models using single-valued neutrosophic directed hypergraphs. Journal of Intelligent and Fuzzy Systems, 2017, 33, 575-588.	0.8	16
41	On the connection of fuzzy hypergraph with fuzzy information system. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1665-1676.	0.8	8
42	Intuitionistic fuzzy soft graphs with applications. Journal of Applied Mathematics and Computing, 2017, 55, 369-392.	1.2	32
43	Covering and paired domination in intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2017, 33, 4007-4015.	0.8	33
44	Certain Concepts in Intuitionistic Neutrosophic Graph Structures. Information (Switzerland), 2017, 8, 154.	1.7	10
45	An algorithmic approach for computing the complement of intuitionistic fuzzy graphs. , 2017, , .		3
46	Some operations on strong intuitionistic fuzzy k-uniform hypergraphs. , 2017, , .		0
47	Certain Competition Graphs Based on Intuitionistic Neutrosophic Environment. Information (Switzerland), 2017, 8, 132.	1.7	5
48	Fuzzy incidence graphs: Applications to human trafficking. Information Sciences, 2018, 447, 244-255.	4.0	28
49	Properties of single-valued neutrosophic graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 57-79.	0.8	20
50	Certain types of edge irregular intuitionistic fuzzy graphs. Journal of Intelligent and Fuzzy Systems, 2018, 34, 295-305.	0.8	12
51	Fuzzy Graph Theory. Studies in Fuzziness and Soft Computing, 2018, , .	0.6	46
52	Saturation in Fuzzy Graphs. New Mathematics and Natural Computation, 2018, 14, 113-128.	0.4	14
53	Achievable Single-Valued Neutrosophic Graphs in Wireless Sensor Networks. New Mathematics and Natural Computation, 2018, 14, 157-185.	0.4	15
54	Novel intuitionistic fuzzy soft multiple-attribute decision-making methods. Neural Computing and Applications, 2018, 29, 435-447.	3.2	44

#	ARTICLE	IF	CITATIONS
55	Accessible single-valued neutrosophic graphs. Journal of Applied Mathematics and Computing, 2018, 57, 121-146.	1.2	11
56	Planar Graphs under Pythagorean Fuzzy Environment. Mathematics, 2018, 6, 278.	1.1	27
57	Cycle index of uncertain random graph. Journal of Intelligent and Fuzzy Systems, 2018, 34, 4249-4259.	0.8	12
58	Specific Types of Pythagorean Fuzzy Graphs and Application to Decision-Making. Mathematical and Computational Applications, 2018, 23, 42.	0.7	36
59	On a Graph Associated to UP-Algebras. Mathematical and Computational Applications, 2018, 23, 61.	0.7	10
60	Energy of Pythagorean Fuzzy Graphs with Applications. Mathematics, 2018, 6, 136.	1.1	69
61	Certain Notions of Energy in Single-Valued Neutrosophic Graphs. Axioms, 2018, 7, 50.	0.9	23
62	A Novel Approach to Decision-Making with Pythagorean Fuzzy Information. Mathematics, 2018, 6, 95.	1.1	108
63	A Study on Neutrosophic Cubic Graphs with Real Life Applications in Industries. Symmetry, 2018, 10, 203.	1.1	16
64	An approach towards decision making and shortest path problems using the concepts of interval-valued Pythagorean fuzzy information. International Journal of Intelligent Systems, 2019, 34, 2403-2428.	3.3	16
65	Novel Neutrosophic Cubic Graphs Structures With Application in Decision Making Problems. IEEE Access, 2019, 7, 94757-94778.	2.6	6
66	Novel concepts in intuitionistic fuzzy graphs with application. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3743-3749.	0.8	9
67	Certain graphs under Pythagorean fuzzy environment. Complex & Intelligent Systems, 2019, 5, 127-144.	4.0	33
68	Intuitionistic fuzzy threshold graphs. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6641-6651.	0.8	6
69	A Novel Description on Edge-Regular q-Runq Picture Fuzzy Graphs with Application. Symmetry, 2019, 11, 489.	1.1	23
70	Intuitionistic fuzzy graphs of nth type with applications. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3923-3932.	0.8	29
71	Simplified interval-valued Pythagorean fuzzy graphs with application. Complex & Intelligent Systems, 2019, 5, 229-253.	4.0	15
72	q-rung picture fuzzy graphs: a creative view on regularity with applications. Journal of Applied Mathematics and Computing, 2019, 61, 235-280.	1.2	34

#	ARTICLE	IF	CITATIONS
73	Complex Intuitionistic Fuzzy Graphs with Application in Cellular Network Provider Companies. Mathematics, 2019, 7, 35.	1.1	61
74	Consensus-Based Multi-Person Decision Making Using Consistency Fuzzy Preference Graphs. IEEE Access, 2019, 7, 178870-178878.	2.6	3
76	Properties of Interval-Valued Neutrosophic Graphs. Studies in Fuzziness and Soft Computing, 2019, , 173-202.	0.6	6
77	Hesitant fuzzy graphs and their applications in decision making. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2729-2741.	0.8	18
78	An approach to neutrosophic graph theory with applications. Soft Computing, 2019, 23, 569-581.	2.1	17
79	A bibliometric analysis of neutrosophic set: two decades review from 1998 to 2017. Artificial Intelligence Review, 2020, 53, 199-255.	9.7	90
80	T-Spherical Fuzzy Graphs: Operations and Applications in Various Selection Processes. Arabian Journal for Science and Engineering, 2020, 45, 2177-2193.	1.7	35
81	A strong intuitionistic fuzzy feature association map-based feature selection technique for high-dimensional data. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	1
82	Pythagorean fuzzy soft graphs with applications. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4977-4991.	0.8	13
83	An Approach Towards Decision-Making and Shortest Path Problems Based on T-Spherical Fuzzy Information. International Journal of Fuzzy Systems, 2020, 22, 1521-1534.	2.3	20
84	Product of complete, strong, null, and regular fuzzy graphs. AIP Conference Proceedings, 2020, , .	0.3	4
85	Spherical Fuzzy Graphs with Application to Decision-Making. Mathematical and Computational Applications, 2020, 25, 8.	0.7	17
86	Analysis of social networks and Wi-Fi networks by using the concept of picture fuzzy graphs. Soft Computing, 2020, 24, 16551-16563.	2.1	17
87	Complex Pythagorean Fuzzy Planar Graphs. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	14
88	Generalized Fuzzy Graph Connectivity Parameters with Application to Human Trafficking. Mathematics, 2020, 8, 424.	1.1	12
89	Decision-making approach based on Pythagorean Dombi fuzzy soft graphs. Granular Computing, 2021, 6, 671-689.	4.4	14
90	A study on cubic graphs with novel application. Journal of Intelligent and Fuzzy Systems, 2021, 40, 89-101.	0.8	35
91	A survey on the domination of fuzzy graphs. Discrete Mathematics, Algorithms and Applications, 2021, 13, 2130001.	0.4	3

#	ARTICLE	IF	CITATIONS
92	Graphical Analysis of Covering and Paired Domination in the Environment of Neutrosophic Information. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	0.6	5
93	Certain Notions of Picture Fuzzy Information with Applications. <i>Journal of Mathematics</i> , 2021, 2021, 1-8.	0.5	4
94	Graphical Structures of Cubic Intuitionistic Fuzzy Information. <i>Journal of Mathematics</i> , 2021, 2021, 1-21.	0.5	4
95	Balanced picture fuzzy graph with application. <i>Artificial Intelligence Review</i> , 2021, 54, 5255-5281.	9.7	21
97	Improved q-rung orthopair fuzzy line integral aggregation operators and their applications for multiple attribute decision making. <i>Artificial Intelligence Review</i> , 2021, 54, 5163-5204.	9.7	3
98	Analysis of double domination by using the concept of spherical fuzzy information with application. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1147-1162.	3.3	9
99	Connectivity Indices of Intuitionistic Fuzzy Graphs and Their Applications in Internet Routing and Transport Network Flow. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	0.6	8
100	On Laplacian energy of picture fuzzy graphs in site selection problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 481-498.	0.8	3
101	Extension of Threshold Graphs Under Complex Fuzzy Environment. <i>International Journal of Applied and Computational Mathematics</i> , 2021, 7, 1.	0.9	5
102	Analysis of the Shortest Path in Spherical Fuzzy Networks Using the Novel Dijkstra Algorithm. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-15.	0.6	3
103	Decision Making Method Based on Spherical Fuzzy Graphs. <i>Studies in Fuzziness and Soft Computing</i> , 2021, , 153-197.	0.6	4
104	Balanced intuitionistic fuzzy graphs. <i>Applied Mathematical Sciences</i> , 0, 7, 2501-2514.	0.0	20
105	CAYLEY INTUITIONISTIC FUZZY GRAPHS. <i>Journal of Applied Mathematics & Informatics</i> , 2014, 32, 827-842.	0.1	4
106	Level graphs of intuitionistic fuzzy graphs. <i>Annals of Fuzzy Mathematics and Informatics</i> , 2018, 16, 55-70.	0.7	4
108	Strengthening and Weakening Members of a Network. <i>Studies in Fuzziness and Soft Computing</i> , 2018, , 1-55.	0.6	0
109	Fuzzy ideal graphs of a semigroup. <i>Annals of Fuzzy Mathematics and Informatics</i> , 2018, 16, 363-371.	0.7	0
110	Hypergraphs in Intuitionistic Fuzzy Environment. <i>Studies in Fuzziness and Soft Computing</i> , 2020, , 77-123.	0.6	0
111	Matching in n-th Type Intuitionistic Fuzzy Graphs. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
112	A TOPSIS Method Under SVTN-Numbers Based on Multi-Attribute Decision-Making Problems. Advances in Logistics, Operations, and Management Science Book Series, 2020, , 1-42.	0.3	0
113	Bipolar Neutrosophic Cubic Graphs and Its Applications. Advances in Computer and Electrical Engineering Book Series, 2020, , 492-536.	0.2	0
114	Intuitionistic Fuzzy Graphs. , 2020, , 225-274.		0
115	Analysis of domination in the environment of picture fuzzy information. Granular Computing, 2022, 7, 801-812.	4.4	3
116	New Concepts of Intuitionistic Fuzzy Trees with Applications. International Journal of Computational Intelligence Systems, 2021, 14, 1.	1.6	5
117	Selection of best inter-country airline service using q-rung picture fuzzy graph structures. Computational and Applied Mathematics, 2022, 41, 1.	1.0	6
118	Lifetime prolongation of a wireless charging sensor network using a mobile robot via linear Diophantine fuzzy graph environment. Complex & Intelligent Systems, 2022, 8, 2419-2434.	4.0	10
119	Intuitionistic fuzzy incidence graphs. Journal of Intelligent and Fuzzy Systems, 2022, 42, 1433-1443.	0.8	0
120	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
121	Regularity of Pythagorean neutrosophic graphs with an illustration in MCDM. AIMS Mathematics, 2022, 7, 9424-9442.	0.7	7
122	Certain Concepts of Interval-Valued Intuitionistic Fuzzy Graphs with an Application. Advances in Mathematical Physics, 2022, 2022, 1-12.	0.4	6
123	New concepts of pentapartitioned neutrosophic graphs and applications for determining safest paths and towns in response to COVID-19. Computational and Applied Mathematics, 2022, 41, .	1.0	4
124	A new fuzzy graph parameter for the comparison of human trafficking chains. Fuzzy Sets and Systems, 2022, 450, 27-46.	1.6	4
125	Wiener Index of Intuitionistic Fuzzy Graphs with an Application to Transport Network Flow. Complexity, 2022, 2022, 1-14.	0.9	1
126	Linear Diophantine fuzzy graphs with new decision-making approach. AIMS Mathematics, 2022, 7, 14532-14556.	0.7	13
127	Brain Network Analysis Through Span Integrity of Fuzzy Graphs. New Mathematics and Natural Computation, 0, , .	0.4	0
129	Chromatic Polynomial of Intuitionistic Fuzzy Graphs Using $\langle \mathbf{m} \rangle$ Levels. International Journal of Mathematics and Mathematical Sciences, 2022, 2022, 1-7.	0.3	3
130	Interval Valued Intuitionistic Fuzzy Line Graphs. BMC Research Notes, 2022, 15, .	0.6	3

#	ARTICLE	IF	CITATIONS
131	Double Domination and Regular Domination in Intuitionistic Fuzzy Hypergraph. Journal of Mathematics, 2022, 2022, 1-12.	0.5	0
132	Edge Domination and Incidence Domination in Vague Incidence Graphs and Its Application. Symmetry, 2022, 14, 1638.	1.1	0
133	Connectivity Concepts in Intuitionistic Fuzzy Incidence Graphs with Application. International Journal of Applied and Computational Mathematics, 2022, 8, .	0.9	4
134	Some Properties of Cubic Fuzzy Graphs with an Application. Symmetry, 2022, 14, 2623.	1.1	9
135	Extended Intuitionistic Fuzzy Line Graphs: Theory and Properties. , 0, , .		0
137	Multi attribute decision-making and interval-valued picture (S,ÂT)-fuzzy graphs. Journal of Applied Mathematics and Computing, 2023, 69, 2831-2856.	1.2	4
141	Sustainable Transportation and the Role of Intuitionistic Fuzzy Optimization. , 2023, , 81-92.		0
148	An Application of Neutrosophic Graph in Decision-Making Problem for Alliances of Companies. , 2023, , 241-255.		2