

Eulalia Szmidt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8230805/publications.pdf>

Version: 2024-02-01

82
papers

4,073
citations

361045

20
h-index

214527

47
g-index

87
all docs

87
docs citations

87
times ranked

1527
citing authors

#	ARTICLE	IF	CITATIONS
1	Distances between intuitionistic fuzzy sets. Fuzzy Sets and Systems, 2000, 114, 505-518.	1.6	1,333
2	Entropy for intuitionistic fuzzy sets. Fuzzy Sets and Systems, 2001, 118, 467-477.	1.6	786
3	A consensus-reaching process under intuitionistic fuzzy preference relations. International Journal of Intelligent Systems, 2003, 18, 837-852.	3.3	244
4	How to measure the amount of knowledge conveyed by Atanassov's intuitionistic fuzzy sets. Information Sciences, 2014, 257, 276-285.	4.0	155
5	A Similarity Measure for Intuitionistic Fuzzy Sets and Its Application in Supporting Medical Diagnostic Reasoning. Lecture Notes in Computer Science, 2004, , 388-393.	1.0	142
6	Intuitionistic Fuzzy Sets in Some Medical Applications. Lecture Notes in Computer Science, 2001, , 148-151.	1.0	101
7	Amount of Information and Its Reliability in the Ranking of Atanassov's Intuitionistic Fuzzy Alternatives. Studies in Computational Intelligence, 2009, , 7-19.	0.7	101
8	Algorithms for estimating missing elements of incomplete intuitionistic preference relations. International Journal of Intelligent Systems, 2011, 26, 787-813.	3.3	91
9	A New Concept of a Similarity Measure for Intuitionistic Fuzzy Sets and Its Use in Group Decision Making. Lecture Notes in Computer Science, 2005, , 272-282.	1.0	87
10	Distances and Similarities in Intuitionistic Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2014, , .	0.6	87
11	Distances Between Intuitionistic Fuzzy Sets: Straightforward Approaches may not work. , 2006, , .		62
12	Intuitionistic Fuzzy Sets in Intelligent Data Analysis for Medical Diagnosis. Lecture Notes in Computer Science, 2001, , 263-271.	1.0	56
13	Correlation of Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2010, , 169-177.	1.0	54
14	An alternative to fuzzy methods in decision-making problems. Expert Systems With Applications, 2012, 39, 7729-7735.	4.4	51
15	A New Similarity Measure for Intuitionistic Fuzzy Sets: Straightforward Approaches may not work. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	49
16	Some Problems with Entropy Measures for the Atanassov Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2007, , 291-297.	1.0	48
17	A concept of similarity for intuitionistic fuzzy sets and its use in group decision making. , 0, , .		43
18	An Application of Intuitionistic Fuzzy Set Similarity Measures to a Multi-criteria Decision Making Problem. Lecture Notes in Computer Science, 2006, , 314-323.	1.0	41

#	ARTICLE	IF	CITATIONS
19	Dealing with typical values via Atanassov's intuitionistic fuzzy sets. International Journal of General Systems, 2010, 39, 489-506.	1.2	38
20	Classification of Imbalanced and Overlapping Classes using Intuitionistic Fuzzy Sets. , 2006, , .		36
21	An Intuitionistic Fuzzy Set Based Approach to Intelligent Data Analysis: An Application to Medical Diagnosis. Studies in Fuzziness and Soft Computing, 2003, , 57-70.	0.6	36
22	Intuitionistic Fuzzy Set Functions, Mass Assignment Theory, Possibility Theory and Histograms. , 2006, , .		34
23	Ranking of intuitionistic fuzzy alternatives in a multi-criteria decision making problem. , 2009, , .		28
24	Atanassov's Intuitionistic Fuzzy Sets in Classification of Imbalanced and Overlapping Classes. Studies in Computational Intelligence, 2008, , 455-471.	0.7	26
25	Application of the InterCriteria Decision Making Method to Universities Ranking. Advances in Intelligent Systems and Computing, 2016, , 365-372.	0.5	24
26	A NEW APPROACH TO RANKING ALTERNATIVES EXPRESSED VIA INTUITIONISTIC FUZZY SETS. , 2008, , .		22
27	A New Approach to Classification of Imbalanced Classes via Atanassov's Intuitionistic Fuzzy Sets. , 2009, , 85-101.		21
28	The Spearman and Kendall rank correlation coefficients between intuitionistic fuzzy sets. , 2011, , .		20
29	The Spearman rank correlation coefficient between intuitionistic fuzzy sets. , 2010, , .		17
30	Distances Between Intuitionistic Fuzzy Sets and their Applications in Reasoning. Studies in Computational Intelligence, 0, , 101-116.	0.7	16
31	Evaluation of agreement in a group of experts via distances between intuitionistic fuzzy preferences. , 0, , .		13
32	Dilemmas with Distances Between Intuitionistic Fuzzy Sets: Straightforward Approaches May Not Work. Studies in Computational Intelligence, 2008, , 415-430.	0.7	13
33	A New Approach to Principal Component Analysis for Intuitionistic Fuzzy Data Sets. Communications in Computer and Information Science, 2012, , 529-538.	0.4	12
34	A Fuzzy Set Corresponding to an Intuitionistic Fuzzy Set. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 1998, 06, 427-435.	0.9	11
35	Correlation between intuitionistic fuzzy sets: Some conceptual and numerical extensions. , 2012, , .		11
36	Intuitionistic Fuzzy Decision Trees - A New Approach. Lecture Notes in Computer Science, 2014, , 181-192.	1.0	11

#	ARTICLE	IF	CITATIONS
37	Measuring the Amount of Knowledge for Atanassov's Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2011, , 17-24.	1.0	10
38	On an Enhanced Method for a More Meaningful Ranking of Intuitionistic Fuzzy Alternatives. Lecture Notes in Computer Science, 2010, , 232-239.	1.0	9
39	A Perspective on Differences Between Atanassov's Intuitionistic Fuzzy Sets and Interval-Valued Fuzzy Sets. Studies in Computational Intelligence, 2017, , 221-237.	0.7	9
40	Similarity Measures between Intuitionistic Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2014, , 87-129.	0.6	8
41	Using Intuitionistic Fuzzy Sets in Text Categorization. Lecture Notes in Computer Science, 2008, , 351-362.	1.0	8
42	Atanassov's Intuitionistic Fuzzy Sets as a Promising Tool for Extended Fuzzy Decision Making Models. , 2008, , 335-355.		8
43	Geometric similarity measures for the intuitionistic fuzzy sets. , 2013, , .		8
44	A Model of Case Based Reasoning Using Intuitionistic Fuzzy Sets. , 2006, , .		7
45	Two and three term representations of intuitionistic fuzzy sets: Some conceptual and analytic aspects. , 2015, , .		6
46	Multidimensional intuitionistic fuzzy quantifiers. , 2016, , .		6
47	Group Decision Support under Intuitionistic Fuzzy Relations: The Role of Weak Transitivity and Consistency. International Journal of Intelligent Systems, 2018, 33, 2078-2095.	3.3	6
48	On Separability of Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2003, , 285-292.	1.0	5
49	A modified weighted Hausdorff distance between intuitionistic fuzzy sets. , 2012, , .		5
50	Intuitionistic Fuzzy Decision Tree: A New Classifier. Advances in Intelligent Systems and Computing, 2015, , 779-790.	0.5	5
51	Uncertainty and Information: Foundations of Generalized Information Theory (Klir, G.J.; 2006). IEEE Transactions on Neural Networks, 2007, 18, 1551-1551.	4.8	4
52	Advances in principal component analysis for intuitionistic fuzzy data sets. , 2012, , .		4
53	Attribute Selection for Sets of Data Expressed by Intuitionistic Fuzzy Sets. , 2020, , .		4
54	Three term attribute description of Atanassov's Intuitionistic Fuzzy Sets as a basis of attribute selection. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
55	On an Enhanced Method for a More Meaningful Pearson's Correlation Coefficient between Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2012, , 334-341.	1.0	3
56	An Approach to Intuitionistic Fuzzy Decision Trees. , 0, , .		3
57	Dealing with typical values by using Atanassov's intuitionistic fuzzy sets. , 2008, , .		2
58	Attribute Selection via Hellwig's Algorithm for Atanassov's Intuitionistic Fuzzy Sets. Studies in Computational Intelligence, 2020, , 81-90.	0.7	2
59	Multiplicative Type of Operations over Intuitionistic Fuzzy Pairs. Lecture Notes in Computer Science, 2017, , 201-208.	1.0	2
60	Intuitionistic Fuzzy Relations and Measures of Consensus. Studies in Fuzziness and Soft Computing, 2002, , 261-274.	0.6	2
61	Atanassov's Intuitionistic Fuzzy Sets Demystified. Communications in Computer and Information Science, 2022, , 517-527.	0.4	2
62	On some typical values for Atanassov's intuitionistic fuzzy sets. , 2008, , .		1
63	Measuring information and knowledge in the context of Atanassov's intuitionistic fuzzy sets. , 2010, , .		1
64	Intuitionistic Fuzzy Sets as a Generalization of Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2014, , 7-38.	0.6	1
65	Multidimensional Intuitionistic Fuzzy Quantifiers and Level Operators. Studies in Computational Intelligence, 2018, , 267-280.	0.7	1
66	A Novel Similarity Measure Between Intuitionistic Fuzzy Sets for Constructing Intuitionistic Fuzzy Tolerance. Advances in Intelligent Systems and Computing, 2016, , 175-183.	0.5	1
67	The Kendall Rank Correlation between Intuitionistic Fuzzy Sets: An Extended Analysis. Studies in Fuzziness and Soft Computing, 2013, , 39-54.	0.6	1
68	Classification with Nominal Data Using Intuitionistic Fuzzy Sets. Lecture Notes in Computer Science, 2007, , 76-85.	1.0	1
69	Chosen topics in an approximate analysis of a telecommunication controlled network with overflows. Annual Review in Automatic Programming, 1985, 12, 381-384.	0.2	0
70	Fuzzy thinking. The new science of fuzzy logic,. Control Engineering Practice, 1996, 4, 742.	3.2	0
71	Fuzzy reasoning in information, decision and control systems. Control Engineering Practice, 1996, 4, 892.	3.2	0
72	Intuitionistic Fuzzy Classifier for Imbalanced Classes. Lecture Notes in Computer Science, 2013, , 483-492.	1.0	0

#	ARTICLE	IF	CITATIONS
73	An extended numerical analysis of an intuitionistic fuzzy classifier for imbalanced classes. , 2013, , .		0
74	Recognizing Imbalanced Classes by an Intuitionistic Fuzzy Classifier. Studies in Fuzziness and Soft Computing, 2016, , 233-247.	0.6	0
75	Intuitionistic Fuzzy Interpretations of Some Formulas for Estimation of Preference Degree. Studies in Fuzziness and Soft Computing, 2018, , 153-161.	0.6	0
76	A New Approach to Hellwig's Method of Data Reduction for Atanassov's Intuitionistic Fuzzy Sets. Communications in Computer and Information Science, 2018, , 553-564.	0.4	0
77	Modifications of Āukasiewicz's intuitionistic fuzzy implication. Notes on Intuitionistic Fuzzy Sets, 2021, 27, 32-39.	0.2	0
78	Towards More Human Consistent Reasoning via Intuitionistic Fuzzy Sets. , 2003, , 328-333.		0
79	Weighted Voting Method Using Atanassov's Intuitionistic Fuzzy Preference Relations and Ignorance Functions. , 2011, , .		0
80	A Generalized Net Model for the Coordination and Synchronization of Human and Computer-Based Expert Type Decision Support Activities. Studies in Computational Intelligence, 2019, , 115-126.	0.7	0
81	Intuitionistic fuzzy implications revisited. Part 1. Notes on Intuitionistic Fuzzy Sets, 2019, 25, 71-78.	0.2	0
82	Attribute Selection for Atanassov's Intuitionistic Fuzzy Sets by the Three Term Attribute Description. Advances in Intelligent Systems and Computing, 2021, , 82-91.	0.5	0