

# Barbara Päkala

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

304  
citations

1163117

8  
h-index

996975

15  
g-index

45  
all docs

45  
docs citations

45  
times ranked

177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision making with an interval-valued fuzzy preference relation and admissible orders. Applied Soft Computing Journal, 2015, 35, 792-801.	7.2	58
2	Interval-Valued Atanassov Intuitionistic OWA Aggregations Using Admissible Linear Orders and Their Application to Decision Making. IEEE Transactions on Fuzzy Systems, 2016, 24, 1586-1597.	9.8	40
3	Composition of interval-valued fuzzy relations using aggregation functions. Information Sciences, 2016, 369, 690-703.	6.9	30
4	Equivalent bipolar fuzzy relations. Fuzzy Sets and Systems, 2010, 161, 234-253.	2.7	29
5	Uncertainty Data in Interval-Valued Fuzzy Set Theory. Studies in Fuzziness and Soft Computing, 2019, , .	0.8	26
6	Inclusion and similarity measures for interval-valued fuzzy sets based on aggregation and uncertainty assessment. Information Sciences, 2021, 547, 1182-1200.	6.9	18
7	Interval Subsethood Measures with Respect to Uncertainty for the Interval-Valued Fuzzy Setting. International Journal of Computational Intelligence Systems, 2020, 13, 167.	2.7	15
8	N-Reciprocity Property for Interval-Valued Fuzzy Relations with an Application to Group Decision Making Problems in Social Networks. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 43-72.	1.9	14
9	Equivalence measures for Atanassov intuitionistic fuzzy setting used to algorithm of image processing. , 2019, , .		9
10	On Comparability Relations in the Class of Interval-Valued Fuzzy Relations. Tatra Mountains Mathematical Publications, 2016, 66, 91-101.	0.2	9
11	Intuitionistic fuzzy preference relations. , 2011, , .		8
12	Operators on intuitionistic fuzzy relations. , 2015, , .		7
13	Application of Fuzzy and Rough Logic to Posture Recognition in Fall Detection System. Sensors, 2022, 22, 1602.	3.8	7
14	Group Decision Support under Intuitionistic Fuzzy Relations: The Role of Weak Transitivity and Consistency. International Journal of Intelligent Systems, 2018, 33, 2078-2095.	5.7	6
15	Influence of new interval-valued pre-aggregation function on medical decision making. , 2020, , .		6
16	The stability of local properties of fuzzy relations under ordinal equivalence. Information Sciences, 2019, 491, 265-278.	6.9	5
17	Diverse Classes of Interval-Valued Aggregation Functions in Medical Diagnosis Support. Communications in Computer and Information Science, 2018, , 391-403.	0.5	4
18	Application of similarity measures with uncertainty in classification methods. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Introduction to Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2019, , 1-20.	0.8	1
20	The use of concave and convex functions to optimize the feed-rate of numerically controlled machine tools. , 2020, , .		1
21	New fuzzy local contrast measures: definitions, evaluation and comparison. , 2020, , .		1
22	Interval-valued equivalence measures respecting uncertainty in image processing. International Journal of Intelligent Systems, 2021, 36, 2767-2796.	5.7	1
23	Preference and weak interval-valued operator in decision making problem. , 2021, , .		1
24	Application of the Fuzzy Logic to Evaluation and Selection of Attribute Ranges in Machine Learning. , 2021, , .		1
25	Application of entropy measures with uncertainty in classification methods with missing data problem. , 2021, , .		1
26	Classification of uncertain data with a selection of relevant features based on similarities measures of Interval-Valued Fuzzy Sets. , 2021, , .		1
27	General Preference Structure with Uncertainty Data Present by Interval-Valued Fuzzy Relation and Used in Decision Making Model. Advances in Intelligent Systems and Computing, 2018, , 150-161.	0.6	1
28	Generalized Reciprocity Property for Interval-Valued Fuzzy Setting in Some Aspect of Social Network. Advances in Intelligent Systems and Computing, 2018, , 286-296.	0.6	1
29	Selection of alternatives in decision making problem with uncertainty information by generalized reciprocity. , 2017, , .		0
30	Summary and Open Problems. Studies in Fuzziness and Soft Computing, 2019, , 153-156.	0.8	0
31	The ordering methods of interval-valued fuzzy cardinal numbers with application in an uncertain decision making. , 2020, , .		0
32	A Study on Local Properties and Local Contrast in Fuzzy Setting. Advances in Intelligent Systems and Computing, 2021, , 75-83.	0.6	0
33	Certain Aspects of Decision Making Model: Intuitionistic Fuzzy Preference Relations. Communications in Computer and Information Science, 2012, , 481-490.	0.5	0
34	Aggregation Process and Some Generalized Convexity and Concavity. Advances in Intelligent Systems and Computing, 2015, , 23-31.	0.6	0
35	Group Decision Making Problem by General Convexity or Concavity and Aggregation Process. Journal of Automation, Mobile Robotics and Intelligent Systems, 2016, 10, 62-69.	0.4	0
36	Compositions Consistent with the Modus Ponens Property Used in Approximate Reasoning. Advances in Intelligent Systems and Computing, 2018, , 138-149.	0.6	0

#	ARTICLE	IF	CITATIONS
37	An Equivalence Relation and Admissible Linear Orders in Decision Making. Advances in Intelligent Systems and Computing, 2018, , 187-198.	0.6	0
38	New Type of Equivalence Measure for Atanassov Intuitionistic Fuzzy Setting. Advances in Intelligent Systems and Computing, 2021, , 13-23.	0.6	0
39	General local properties of fuzzy relations and fuzzy multisets used to an algorithm for group decision making. , 2020, , .		0
40	New Methods for Comparing Interval-Valued Fuzzy Cardinal Numbers. Communications in Computer and Information Science, 2020, , 523-536.	0.5	0