Pasi Luukka

List of Publications by Year
in descending order

97	1,440	393982	360668
papers	citations	19 h-index	35 g-index

105	105	105	1121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feature selection using fuzzy entropy measures with similarity classifier. Expert Systems With Applications, 2011, 38, 4600-4607.	4.4	277
2	Machine learning techniques and data for stock market forecasting: A literature review. Expert Systems With Applications, 2022, 197, 116659.	4.4	121
3	Similarity classifier with generalized mean applied to medical data. Computers in Biology and Medicine, 2006, 36, 1026-1040.	3.9	72
4	Numerical study of dynamics of single bubbles and bubble swarms. Applied Mathematical Modelling, 2008, 32, 641-659.	2.2	55
5	Evaluating R&D Projects as Investments by Using an Overall Ranking From Four New Fuzzy Similarity Measure-Based TOPSIS Variants. IEEE Transactions on Fuzzy Systems, 2014, 22, 505-515.	6.5	47
6	Similarity classifier using similarity measure derived from Yu's norms in classification of medical data sets. Computers in Biology and Medicine, 2007, 37, 1133-1140.	3.9	46
7	A multi-expert system for ranking patents: An approach based on fuzzy pay-off distributions and a TOPSISâ€“AHP framework. Expert Systems With Applications, 2013, 40, 4749-4759.	4.4	45
8	Classification of intraday S&P500 returns with a Random Forest. International Journal of Forecasting, 2019, 35, 390-407.	3.9	45
9	A new fuzzy k-nearest neighbor classifier based on the Bonferroni mean. Pattern Recognition Letters, 2020, 140, 172-178.	2.6	44
10	Comparison of the multicriteria decision-making methods for equity portfolio selection: The U.S. evidence. European Journal of Operational Research, 2018, 265, 655-672.	3.5	40
11	Classification based on fuzzy robust PCA algorithms and similarity classifier. Expert Systems With Applications, 2009, 36, 7463-7468.	4.4	36
12	A combination of fuzzy similarity measures and fuzzy entropy measures for supervised feature selection. Expert Systems With Applications, 2018, 110, 216-236.	4.4	35
13	Fuzzy Similarity in Multicriteria Decision-Making Problem Applied to Supplier Evaluation and Selection in Supply Chain Management. Advances in Artificial Intelligence, 2011, 2011, 1-9.	0.9	30
14	Similarity classifier with ordered weighted averaging operators. Expert Systems With Applications, 2013, 40, 995-1002.	4.4	29
15	Similarity classifier using similarities based on modified probabilistic equivalence relations. Knowledge-Based Systems, 2009, 22, 57-62.	4.0	24
16	Differential Evolution Classifier in Noisy Settings and with Interacting Variables. Applied Soft Computing Journal, 2011, 11, 891-899.	4.1	23
17	Value of knowledgeâ€”Technology strategies in different knowledge regimes. International Journal of Production Economics, 2011, 131, 273-287.	5.1	23
18	Relation between managerial cognition and industrial performance: An assessment with strategic cognitive maps using fuzzy-set qualitative comparative analysis. Journal of Business Research, 2020, 114, 160-172.	5.8	21

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19	Vortex shedding behind a rising bubble and two-bubble coalescence: A numerical approach. Applied Mathematical Modelling, 2005, 29, 615-632.	2.2	19
20	Differential evolution based nearest prototype classifier with optimized distance measures for the features in the data sets. Expert Systems With Applications, 2013, 40, 4075-4082.	4.4	19
21	PCA for fuzzy data and similarity classifier in building recognition system for post-operative patient data. Expert Systems With Applications, 2009, 36, 1222-1228.	4.4	18
22	Strategic interpretation on sustainability issues â€“ eliciting cognitive maps of boards of directors. Corporate Governance (Bingley), 2016, 16, 162-186.	3.2	18
23	A Classification method based on principal component analysis and differential evolution algorithm applied for prediction diagnosis from clinical EMR heart data sets. Adaptation, Learning, and Optimization, 2010, , 263-283.	0.5	18
24	Optimized distance metrics for differential evolution based nearest prototype classifier. Expert Systems With Applications, 2012, 39, 10564-10570.	4.4	16
25	A novel similarity classifier with multiple ideal vectors based on k-means clustering. Decision Support Systems, 2018, 111, 27-37.	3.5	16
26	A generalized fuzzy k-nearest neighbor regression model based on Minkowski distance. Granular Computing, 2022, 7, 657-671.	4.4	16
27	New procedure for valuing patents under imprecise information with a consensual dynamics model and a real options framework. Expert Systems With Applications, 2017, 86, 155-164.	4.4	13
28	Set-theoretic methodology using fuzzy sets in rule extraction and validation - consistency and coverage revisited. Information Sciences, 2017, 412-413, 154-173.	4.0	13
29	A possible role of the Infant/Toddler Sensory Profile in screening for autism: a proof-of-concept study in the specific sample of prematurely born children with birth weights <1,500 g. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 191-200.	1.0	13
30	Possibilistic fuzzy pay-off method for real option valuation with application to research and development investment analysis. Fuzzy Sets and Systems, 2021, 409, 153-169.	1.6	13
31	Possibilistic risk aversion in group decisions: theory with application in the insurance of giga-investments valued through the fuzzy pay-off method. Soft Computing, 2017, 21, 4375-4386.	2.1	12
32	Similarity classifier in diagnosis of bladder cancer. Computer Methods and Programs in Biomedicine, 2008, 89, 43-49.	2.6	11
33	New Closeness Coefficients for Fuzzy Similarity Based Fuzzy TOPSIS: An Approach Combining Fuzzy Entropy and Multidistance. Advances in Fuzzy Systems, 2015, 2015, 1-12.	0.6	10
34	New fuzzy insurance pricing method for giga-investment project insurance. Insurance: Mathematics and Economics, 2015, 65, 22-29.	0.7	10
35	Nonlinear fuzzy robust PCA algorithms and similarity classifier in bankruptcy analysis. Expert Systems With Applications, 2010, 37, 8296-8302.	4.4	9
36	Analyzing operational real options in metal mining investments with a system dynamic model. Engineering Economist, 2017, 62, 54-72.	0.3	9

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37	Numerical bubble dynamics. Computer Aided Chemical Engineering, 2003, , 941-946.	0.3	8
38	Classification method using fuzzy level set subgrouping. Expert Systems With Applications, 2008, 34, 859-865.	4.4	8
39	Feature selection using Yu's similarity measure and fuzzy entropy measures. , 2012, , .		8
40	Histogram ranking with generalised similarity-based TOPSIS applied to patent ranking. International Journal of Operational Research, 2016, 25, 437.	0.1	7
41	Transformations between the center of gravity and the possibilistic mean for triangular and trapezoidal fuzzy numbers. Soft Computing, 2019, 23, 3229-3235.	2.1	7
42	Weighted Similarity Classifier Using Differential Evolution and Genetic Algorithm in Weight Optimization. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2004, 8, 591-598.	0.5	7
43	Fuzzy beans in classification. Expert Systems With Applications, 2011, 38, 4798-4801.	4.4	6
44	Leontief input-output model with trapezoidal fuzzy numbers and Gauss-Seidel algorithm. International Journal of Process Management and Benchmarking, 2014, 4, 456.	0.1	6
45	Comparison of the Datar-Mathews Method and the Fuzzy Pay-Off Method through Numerical Results. Advances in Decision Sciences, 2016, 2016, 1-7.	1.4	6
46	Nonspecificity, strife and total uncertainty in supervised feature selection. Engineering Applications of Artificial Intelligence, 2022, 109, 104628.	4.3	6
47	Performance of Moving Average Trading Rules in a Volatile Stock Market: The Russian Evidence. Emerging Markets Finance and Trade, 2016, 52, 2434-2450.	1.7	5
48	On the trade-off between the leverage effect and real options thinking: AÂsimulation-based model on metal mining investment. International Journal of Production Economics, 2017, 194, 43-51.	5.1	5
49	NEW INVESTMENT DECISION-MAKING TOOL THAT COMBINES A FUZZY INFERENCE SYSTEM WITH REAL OPTION ANALYSIS. Fuzzy Economic Review, 2018, 23, 2268.	0.4	5
50	Solving leontief input-output model with fuzzy entries. , 2009, , .		4
51	Supplier evaluation with fuzzy similarity based fuzzy TOPSIS with new fuzzy similarity measure. , 2012, , .		4
52	Can size-, industry-, and leverage-adjustment of valuation ratios benefit the value investor?. International Journal of Business Innovation and Research, 2016, 11, 76.	0.1	4
53	Using a cycle reverting price process in modeling metal mining project profitability. Kybernetes, 2017, 46, 131-141.	1.2	4
54	Cognitive Diversity, Managerial Characteristics and Performance Differences across the Cleantech Firms. International Journal of Knowledge-Based Organizations, 2020, 10, 1-26.	0.3	4

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55	Russian Mechanism to Support Renewable Energy Investments: Before and After Analysis. Computational Methods in Applied Sciences (Springer), 2018, , 243-252.	0.1	4
56	Consensus Modeling in Multiple Criteria Multi-expert Real Options-Based Valuation of Patents. Advances in Intelligent Systems and Computing, 2015, , 269-278.	0.5	4
57	Technology strategies for innovation race: a simulation model for pharmaceutics. International Journal of Technology Intelligence and Planning, 2012, 8, 115.	0.6	3
58	Fuzzy Scorecards, FHOWA, and a New Fuzzy Similarity Based Ranking Method for Selection of Human Resources. , 2013, , .		3
59	On the profitability of strategic research networks: a simulation model for pharmaceuticals. International Journal of Technology Intelligence and Planning, 2013, 9, 181.	0.6	3
60	A Similarity Classifier with Bonferroni Mean Operators. Advances in Fuzzy Systems, 2016, 2016, 1-11.	0.6	3
61	Strategic R&D Project Analysis: Keeping It Simple and Smart. Studies in Fuzziness and Soft Computing, 2016, , 169-191.	0.6	3
62	Estimating One-Off Operational Risk Events with the Lossless Fuzzy Weighted Average Method. Studies in Fuzziness and Soft Computing, 2018, , 227-236.	0.6	3
63	Real Option Analysis with Interval-Valued Fuzzy Numbers and the Fuzzy Pay-Off Method. Advances in Intelligent Systems and Computing, 2018, , 509-520.	0.5	3
64	On the relationship between possibilistic and standard moments of fuzzy numbers. Journal of Computational and Applied Mathematics, 2022, 411, 114276.	1.1	3
65	Feature-wise differential evolution classifier with an OWA-based multi-distance aggregation. International Journal of Mathematics in Operational Research, 2016, 9, 436.	0.1	2
66	Bonferroni mean based similarity based TOPSIS. , 2016, , .		2
67	The anatomy of returns from moving average trading rules in the Russian stock market. Applied Economics Letters, 2017, 24, 311-318.	1.0	2
68	Investigating the effect of price process selection on the value of a metal mining asset portfolio. Mineral Economics, 2017, 30, 107-115.	1.3	2
69	Using Innovation Scorecards and Lossless Fuzzy Weighted Averaging in Multiple-criteria Multi-expert Innovation Evaluation. , 2019, , 323-339.		2
70	Nâ€”ary norm operators and TOPSIS. , 2020, , .		2
71	Credit Analysis Using a Combination of Fuzzy Robust PCA and a Classification Algorithm. Advances in Intelligent Systems and Computing, 2015, , 19-29.	0.5	2
72	Stability Issues with Classifier Using Lukasiewicz Similarity and Modified Schweizer & Sklar Equations. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2005, 9, 514-525.	0.5	2

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73	Differential Evolution Based Nearest Prototype Classifier with Optimized Distance Measures and GOWA. Advances in Intelligent Systems and Computing, 2015, , 753-763.	0.5	2
74	Comparing Circular Histograms by Using Modulo Similarity and Maximum Pair-Assignment Compatibility Measure. International Journal of Computational Intelligence Systems, 2017, 10, 1.	1.6	2
75	Differential evolution classifier with optimized distance measures from a pool of distances. , 2012, , .		1
76	A Sugeno-Type Fuzzy Expert System for Rough Turning. Key Engineering Materials, 2013, 572, 597-600.	0.4	1
77	Ordering of fuzzy numbers through linguistic approximation based on Bonissone's two step method. , 2015, , .		1
78	An É´-ary Î»-averaging based similarity classifier. International Journal of Applied Mathematics and Computer Science, 2016, 26, 407-421.	1.5	1
79	On a weighted ordered weighted averaging based similarity classifier. , 2016, , .		1
80	Multi-distance and Fuzzy Similarity Based Fuzzy TOPSIS. Studies in Computational Intelligence, 2016, , 227-244.	0.7	1
81	Similarity of histograms and circular histograms from interval and fuzzy data. , 2017, , .		1
82	Modulo similarity in comparing histograms. , 0, , .		1
83	Similarity Classifier with Generalized Mean; Ideal Vector Approach. Lecture Notes in Computer Science, 2006, , 1140-1147.	1.0	1
84	A Classification Method Based on Similarity Measures of Generalized Fuzzy Numbers in Building Expert System for Postoperative Patients. Advances in Experimental Medicine and Biology, 2010, 680, 3-10.	0.8	1
85	Differential Evolution Classifier with Optimized Distance Measures for the Features in the Data Sets. Advances in Intelligent Systems and Computing, 2013, , 103-111.	0.5	1
86	Pulp and paper industry in traditional and new markets - a fuzzy input-output analysis. International Journal of Procurement Management, 2014, 7, 639.	0.1	0
87	Screening early stage metal mining projects A simulation approach. , 2015, , .		0
88	A Dynamic Fuzzy Consensus Model with Random Iterative Steps. , 2015, , .		0
89	How to win innovation races in high-tech industries? An evolutionary optimisation model. International Journal of Technology Intelligence and Planning, 2016, 11, 62.	0.6	0
90	A similarity classifier with generalized ordered weighted averaging operator. , 2017, , .		0

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91	Information Transmission and Nonspecificity in Feature Selection. Advances in Intelligent Systems and Computing, 2019, , 340-350.	0.5	0
92	Differential Evolution Classifier with Optimized OWA-Based Multi-distance Measures for the Features in the Data Sets. Advances in Intelligent Systems and Computing, 2015, , 765-777.	0.5	0
93	Feature-wise differential evolution classifier with an OWA-based multi-distance aggregation. International Journal of Mathematics in Operational Research, 2016, 9, 436.	0.1	0
94	Information Processing Approach in Organisational Cognitive Structures. International Journal of Information Systems and Social Change, 2016, 7, 1-19.	0.1	0
95	Transformation of Variance to Possibilistic Variance and Vice Versa. Advances in Intelligent Systems and Computing, 2018, , 456-467.	0.5	0
96	MULTIPLE CRITERIA MULTIPLE PEER-ASSESSMENT FOR AN ELEARNING ENVIRONMENT USING A LINGUISTIC SCORECARD FOR ON-LINE PEER-ASSESSMENT. Fuzzy Economic Review, 2018, 23, .	0.4	0
97	Summarization Algorithms for News: A Study of the Coronavirus Theme and Its Impact on the News Extracting Algorithm. Lecture Notes in Computer Science, 2021, , 351-360.	1.0	0