

# Pasi Luukka

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

947  
citations

17  
h-index

28  
g-index

105  
ext. papers

1,146  
ext. citations

3.1  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
93	A Study on Relevant Features for Intraday S&P 500 Prediction Using a Hybrid Feature Selection Approach. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 93-104	0.9	
92	Nonspecificity, strife and total uncertainty in supervised feature selection. <i>Engineering Applications of Artificial Intelligence</i> , <b>2022</b> , 109, 104628	7.2	2
91	Predicting Short-Term Traffic Speed and Speed Drops in the Urban Area of a Medium-Sized European City A Traffic Control and Decision Support Perspective. <i>Studies in Fuzziness and Soft Computing</i> , <b>2022</b> , 163-187	0.7	
90	A Region-Based Approach for Missing Value Imputation of Cooling Technologies for the Global Thermal Power Plant Fleet Using a Decision Tree Classifier. <i>Studies in Fuzziness and Soft Computing</i> , <b>2022</b> , 93-125	0.7	
89	Fuzzy Similarity and Entropy (FSAE) Feature Selection Revisited by Using Intra-class Entropy and a Normalized Scaling Factor. <i>Studies in Fuzziness and Soft Computing</i> , <b>2022</b> , 61-92	0.7	
88	A Neural Network Based Multi-class Trading Strategy for the S&P 500 Index. <i>Studies in Fuzziness and Soft Computing</i> , <b>2022</b> , 127-161	0.7	
87	An Investigation of Hidden Shared Linkages Among Perceived Causal Relationships in Cognitive Maps. <i>Studies in Fuzziness and Soft Computing</i> , <b>2022</b> , 17-36	0.7	
86	Machine learning techniques and data for stock market forecasting: A literature review. <i>Expert Systems With Applications</i> , <b>2022</b> , 197, 116659	7.8	6
85	On the relationship between possibilistic and standard moments of fuzzy numbers. <i>Journal of Computational and Applied Mathematics</i> , <b>2022</b> , 411, 114276	2.4	
84	Summarization Algorithms for News: A Study of the Coronavirus Theme and Its Impact on the News Extracting Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 351-360	0.9	
83	Possibilistic fuzzy pay-off method for real option valuation with application to research and development investment analysis. <i>Fuzzy Sets and Systems</i> , <b>2021</b> , 409, 153-169	3.7	4
82	Cognitive Diversity, Managerial Characteristics and Performance Differences across the Cleantech Firms. <i>International Journal of Knowledge-Based Organizations</i> , <b>2020</b> , 10, 1-26	0.2	3
81	A new fuzzy k-nearest neighbor classifier based on the Bonferroni mean. <i>Pattern Recognition Letters</i> , <b>2020</b> , 140, 172-178	4.7	17
80	Relation between managerial cognition and industrial performance: An assessment with strategic cognitive maps using fuzzy-set qualitative comparative analysis. <i>Journal of Business Research</i> , <b>2020</b> , 114, 160-172	8.7	6
79	Information Transmission and Nonspecificity in Feature Selection. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 340-350	0.4	
78	Using Clustering for Supervised Feature Selection to Detect Relevant Features. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 272-283	0.9	2
77	Using Innovation Scorecards and Lossless Fuzzy Weighted Averaging in Multiple-criteria Multi-expert Innovation Evaluation <b>2019</b> , 323-339		1

76	Classification of intraday S&P500 returns with a Random Forest. <i>International Journal of Forecasting</i> , <b>2019</b> , 35, 390-407	5.3	21
75	Transformations between the center of gravity and the possibilistic mean for triangular and trapezoidal fuzzy numbers. <i>Soft Computing</i> , <b>2019</b> , 23, 3229-3235	3.5	5
74	A novel similarity classifier with multiple ideal vectors based on k-means clustering. <i>Decision Support Systems</i> , <b>2018</b> , 111, 27-37	5.6	11
73	Fuzzified Likert Scales in Group Multiple-Criteria Evaluation. <i>Studies in Fuzziness and Soft Computing</i> , <b>2018</b> , 165-185	0.7	4
72	Estimating One-Off Operational Risk Events with the Lossless Fuzzy Weighted Average Method. <i>Studies in Fuzziness and Soft Computing</i> , <b>2018</b> , 227-236	0.7	3
71	Real Option Analysis with Interval-Valued Fuzzy Numbers and the Fuzzy Pay-Off Method. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 509-520	0.4	3
70	A combination of fuzzy similarity measures and fuzzy entropy measures for supervised feature selection. <i>Expert Systems With Applications</i> , <b>2018</b> , 110, 216-236	7.8	25
69	NEW INVESTMENT DECISION-MAKING TOOL THAT COMBINES A FUZZY INFERENCE SYSTEM WITH REAL OPTION ANALYSIS. <i>Fuzzy Economic Review</i> , <b>2018</b> , 23, 2268	1.5	2
68	Russian Mechanism to Support Renewable Energy Investments: Before and After Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2018</b> , 243-252	0.4	2
67	Transformation of Variance to Possibilistic Variance and Vice Versa. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 456-467	0.4	
66	Comparison of the multicriteria decision-making methods for equity portfolio selection: The U.S. evidence. <i>European Journal of Operational Research</i> , <b>2018</b> , 265, 655-672	5.6	25
65	The anatomy of returns from moving average trading rules in the Russian stock market. <i>Applied Economics Letters</i> , <b>2017</b> , 24, 311-318	1	2
64	Possibilistic risk aversion in group decisions: theory with application in the insurance of giga-investments valued through the fuzzy pay-off method. <i>Soft Computing</i> , <b>2017</b> , 21, 4375-4386	3.5	8
63	Analyzing operational real options in metal mining investments with a system dynamic model. <i>Engineering Economist</i> , <b>2017</b> , 62, 54-72	0.8	6
62	Investigating the effect of price process selection on the value of a metal mining asset portfolio. <i>Mineral Economics</i> , <b>2017</b> , 30, 107-115	2.2	2
61	Using a cycle reverting price process in modeling metal mining project profitability. <i>Kybernetes</i> , <b>2017</b> , 46, 131-141	2	4
60	New procedure for valuing patents under imprecise information with a consensual dynamics model and a real options framework. <i>Expert Systems With Applications</i> , <b>2017</b> , 86, 155-164	7.8	9
59	Set-theoretic methodology using fuzzy sets in rule extraction and validation - consistency and coverage revisited. <i>Information Sciences</i> , <b>2017</b> , 412-413, 154-173	7.7	7

58	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 . <i>Neuropsychiatric Disease and Treatment</i> , <b>2017</b> , 13, 191-200	3.1	8
57	On the trade-off between the leverage effect and real options thinking: A simulation-based model on metal mining investment. <i>International Journal of Production Economics</i> , <b>2017</b> , 194, 43-51	9.3	5
56	Feature-wise differential evolution classifier with an OWA-based multi-distance aggregation. <i>International Journal of Mathematics in Operational Research</i> , <b>2016</b> , 9, 436	0.8	2
55	Can size-, industry-, and leverage-adjustment of valuation ratios benefit the value investor?. <i>International Journal of Business Innovation and Research</i> , <b>2016</b> , 11, 76	0.7	3
54	How to win innovation races in high-tech industries? An evolutionary optimisation model. <i>International Journal of Technology Intelligence and Planning</i> , <b>2016</b> , 11, 62	0.4	
53	Performance of Moving Average Trading Rules in a Volatile Stock Market: The Russian Evidence. <i>Emerging Markets Finance and Trade</i> , <b>2016</b> , 52, 2434-2450	3.5	3
52	Histogram ranking with generalised similarity-based TOPSIS applied to patent ranking. <i>International Journal of Operational Research</i> , <b>2016</b> , 25, 437	0.9	2
51	Strategic interpretation on sustainability issues Eliciting cognitive maps of boards of directors. <i>Corporate Governance (Bingley)</i> , <b>2016</b> , 16, 162-186	4.2	14
50	Strategic R&D Project Analysis: Keeping It Simple and Smart. <i>Studies in Fuzziness and Soft Computing</i> , <b>2016</b> , 169-191	0.7	3
49	Multi-distance and Fuzzy Similarity Based Fuzzy TOPSIS. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 227-244	2.4	3
48	Information Processing Approach in Organisational Cognitive Structures. <i>International Journal of Information Systems and Social Change</i> , <b>2016</b> , 7, 1-19	0.4	
47	A Similarity Classifier with Bonferroni Mean Operators. <i>Advances in Fuzzy Systems</i> , <b>2016</b> , 2016, 1-11	1.7	1
46	Comparison of the Datar-Mathews Method and the Fuzzy Pay-Off Method through Numerical Results. <i>Advances in Decision Sciences</i> , <b>2016</b> , 2016, 1-7	2	5
45	An N-ary Averaging based similarity classifier. <i>International Journal of Applied Mathematics and Computer Science</i> , <b>2016</b> , 26, 407-421	1.7	0
44	New fuzzy insurance pricing method for giga-investment project insurance. <i>Insurance: Mathematics and Economics</i> , <b>2015</b> , 65, 22-29	1.5	6
43	New Closeness Coefficients for Fuzzy Similarity Based Fuzzy TOPSIS: An Approach Combining Fuzzy Entropy and Multidistance. <i>Advances in Fuzzy Systems</i> , <b>2015</b> , 2015, 1-12	1.7	9
42	Credit Analysis Using a Combination of Fuzzy Robust PCA and a Classification Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 19-29	0.4	1
41	Consensus Modeling in Multiple Criteria Multi-expert Real Options-Based Valuation of Patents. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 269-278	0.4	0

40	Differential Evolution Classifier with Optimized OWA-Based Multi-distance Measures for the Features in the Data Sets. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 765-777	0.4	
39	Differential Evolution Based Nearest Prototype Classifier with Optimized Distance Measures and GOWA. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 753-763	0.4	
38	Evaluating R&D Projects as Investments by Using an Overall Ranking From Four New Fuzzy Similarity Measure-Based TOPSIS Variants. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 505-515	8.3	33
37	Pulp and paper industry in traditional and new markets - a fuzzy input-output analysis. <i>International Journal of Procurement Management</i> , <b>2014</b> , 7, 639	0.6	
36	Leontief input-output model with trapezoidal fuzzy numbers and Gauss-Seidel algorithm. <i>International Journal of Process Management and Benchmarking</i> , <b>2014</b> , 4, 456	0.3	4
35	Differential evolution based nearest prototype classifier with optimized distance measures for the features in the data sets. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 4075-4082	7.8	15
34	A multi-expert system for ranking patents: An approach based on fuzzy pay-off distributions and a TOPSIS/AHP framework. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 4749-4759	7.8	32
33	Similarity classifier with ordered weighted averaging operators. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 995-1002	7.8	23
32	A Sugeno-Type Fuzzy Expert System for Rough Turning. <i>Key Engineering Materials</i> , <b>2013</b> , 572, 597-600	0.4	1
31	Fuzzy Scorecards, FHOWA, and a New Fuzzy Similarity Based Ranking Method for Selection of Human Resources <b>2013</b> ,		3
30	On the profitability of strategic research networks: a simulation model for pharmaceuticals. <i>International Journal of Technology Intelligence and Planning</i> , <b>2013</b> , 9, 181	0.4	2
29	Differential Evolution Classifier with Optimized Distance Measures for the Features in the Data Sets. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 103-111	0.4	1
28	Optimized distance metrics for differential evolution based nearest prototype classifier. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10564-10570	7.8	15
27	Feature selection using Yu's similarity measure and fuzzy entropy measures <b>2012</b> ,		6
26	Differential evolution classifier with optimized distance measures from a pool of distances <b>2012</b> ,		1
25	Supplier evaluation with fuzzy similarity based fuzzy TOPSIS with new fuzzy similarity measure <b>2012</b> ,		3
24	Technology strategies for innovation race: a simulation model for pharmaceuticals. <i>International Journal of Technology Intelligence and Planning</i> , <b>2012</b> , 8, 115	0.4	3
23	Fuzzy Similarity in Multicriteria Decision-Making Problem Applied to Supplier Evaluation and Selection in Supply Chain Management. <i>Advances in Artificial Intelligence</i> , <b>2011</b> , 2011, 1-9		20

22	Fuzzy beans in classification. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 4798-4801	7.8	6
21	Differential Evolution Classifier in Noisy Settings and with Interacting Variables. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 891-899	7.5	22
20	Feature selection using fuzzy entropy measures with similarity classifier. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 4600-4607	7.8	214
19	Value of knowledge technology strategies in different knowledge regimes. <i>International Journal of Production Economics</i> , <b>2011</b> , 131, 273-287	9.3	19
18	Nonlinear fuzzy robust PCA algorithms and similarity classifier in bankruptcy analysis. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8296-8302	7.8	9
17	A Classification method based on principal component analysis and differential evolution algorithm applied for prediction diagnosis from clinical EMR heart data sets. <i>Adaptation, Learning, and Optimization</i> , <b>2010</b> , 263-283	0.7	14
16	A classification method based on similarity measures of generalized fuzzy numbers in building expert system for postoperative patients. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 680, 3-10	3.6	
15	PCA for fuzzy data and similarity classifier in building recognition system for post-operative patient data. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 1222-1228	7.8	17
14	Similarity classifier using similarities based on modified probabilistic equivalence relations. <i>Knowledge-Based Systems</i> , <b>2009</b> , 22, 57-62	7.3	22
13	Classification based on fuzzy robust PCA algorithms and similarity classifier. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7463-7468	7.8	34
12	Solving leontief input-output model with fuzzy entries <b>2009</b> ,		1
11	Similarity classifier in diagnosis of bladder cancer. <i>Computer Methods and Programs in Biomedicine</i> , <b>2008</b> , 89, 43-9	6.9	11
10	Classification method using fuzzy level set subgrouping. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 859-865	7.8	5
9	Numerical study of dynamics of single bubbles and bubble swarms. <i>Applied Mathematical Modelling</i> , <b>2008</b> , 32, 641-659	4.5	43
8	Similarity classifier using similarity measure derived from $Y_u$ norms in classification of medical data sets. <i>Computers in Biology and Medicine</i> , <b>2007</b> , 37, 1133-40	7	35
7	Similarity classifier with generalized mean applied to medical data. <i>Computers in Biology and Medicine</i> , <b>2006</b> , 36, 1026-40	7	59
6	Similarity Classifier with Generalized Mean; Ideal Vector Approach. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1140-1147	0.9	
5	Vortex shedding behind a rising bubble and two-bubble coalescence: A numerical approach. <i>Applied Mathematical Modelling</i> , <b>2005</b> , 29, 615-632	4.5	15

4	Stability Issues with Classifier Using Lukasiewicz Similarity and Modified Schweizer & Sklar Equations. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , <b>2005</b> , 9, 514-525	0.4	2
3	Weighted Similarity Classifier Using Differential Evolution and Genetic Algorithm in Weight Optimization. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , <b>2004</b> , 8, 591-598	0.4	7
2	Numerical bubble dynamics. <i>Computer Aided Chemical Engineering</i> , <b>2003</b> , 941-946	0.6	6
1	A generalized fuzzy k-nearest neighbor regression model based on Minkowski distance. <i>Granular Computing</i> , 1	5.4	1