Marek Z Reformat

List of Publications by Year
in descending order

126 papers	2,140 citations	304602 22 h-index	254106 43 g-index
135 all docs	135 docs citations	135 times ranked	1582 citing authors

#	Article	IF	Citations
1	Adaptive Fuzzy Neural Agent for Human and Machine Co-learning. International Journal of Fuzzy Systems, 2022, 24, 778-798.	2.3	2
2	Convolutional Neural Network to Segment Laminae on 3D Ultrasound Spinal Images to Assist Cobb Angle Measurement. Annals of Biomedical Engineering, 2022, 50, 401-412.	1.3	4
3	Applying a Convolutional Neural Network Based Iterative Algorithm to Automatically Measure Spinal Curvature on Radiographs for Children with Scoliosis. Journal of Medical and Biological Engineering, 2022, 42, 388-396.	1.0	2
4	Neural Blockmodeling for Multilayer Networks. , 2021, , .		0
5	Question-Answering System with Linguistic Summarization. , 2021, , .		2
6	Semantic Web: Graphs, Imprecision andÂKnowledge Generation. Studies in Fuzziness and Soft Computing, 2021, , 271-283.	0.6	0
7	Relation Extraction with Sentence Simplification Process and Entity Information. , 2021, , .		1
8	Electrical Equipment Identification Method With Synthetic Data Using Edge-Oriented Generative Adversarial Network. IEEE Access, 2020, 8, 136487-136497.	2.6	3
9	Fuzzy Linear regression based on approximate Bayesian computation. Applied Soft Computing Journal, 2020, 97, 106763.	4.1	7
10	Wind power forecasting using attention-based gated recurrent unit network. Energy, 2020, 196, 117081.	4.5	176
11	A Simple Method for Inducing Class Taxonomies in Knowledge Graphs. Lecture Notes in Computer Science, 2020, , 53-68.	1.0	5
12	Predicting Weather-related Power Outages in Distribution Grid. , 2020, , .		1
13	Image-Based World-perceiving Knowledge Graph (WpKG) with Imprecision. Communications in Computer and Information Science, 2020, , 415-428.	0.4	1
14	Fragmentation Coagulation Based Mixed Membership Stochastic Blockmodel. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 6704-6711.	3.6	2
15	Question-Answering System with Linguistic Terms over RDF Knowledge Graphs. , 2020, , .		4
16	FML-Based Reinforcement Learning Agent with Fuzzy Ontology for Human-Robot Cooperative Edutainment. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2020, 28, 1023-1060.	0.9	10
17	GridKG: Knowledge Graph Representation of Distribution Grid Data. , 2020, , .		6
18	A Support Vector Regression Based Model Predictive Control for Volt-Var Optimization of Distribution Systems. IEEE Access, 2019, 7, 93352-93363.	2.6	16

#	ARTICLE	IF	CITATIONS
19	Selecting an action to satisfy multiple aspects of a system based on uncertain granular observations. Expert Systems With Applications, 2019, 126, 1-8.	4.4	5
20	Drawing on the iPad to input fuzzy sets with an application to linguistic data science. Information Sciences, 2019, 479, 277-291.	4.0	21
21	Computational Intelligence in Modeling Complex Systems and Solving Complex Problems. Complexity, 2019, 2019, 1-6.	0.9	5
22	OWA-based Summarization of Data using iPad-drawn Concepts. , 2019, , .		0
23	Link Prediction in Signed Social Networks using Fuzzy Signature. , 2019, , .		1
24	Deep Dynamic Mixed Membership Stochastic Blockmodel. , 2019, , .		1
25	Generation and Reduction of Fuzzy Sets with PG-Means and Fuzzy Similarity Measures. Studies in Computational Intelligence, 2018, , 287-307.	0.7	0
26	An Environment for Collective Perception based on Fuzzy and Semantic Approaches. Journal of Artificial Intelligence and Soft Computing Research, 2018, 8, 191-210.	3.5	14
27	Knowledge Graphs, Category Theory and Signatures. , 2018, , .		4
28	Multi-level Processing of Sensory Data with Evidence Theory. , 2018, , .		0
29	Defining personalized concepts for XBRL using iPAD-drawn fuzzy sets. Intelligent Systems in Accounting, Finance and Management, 2018, 25, 73-85.	2.8	1
30	Clustering of Propositions Equipped with Uncertainty. Communications in Computer and Information Science, 2018, , 715-726.	0.4	0
31	Feature-driven linguistic-based entity matching in linked data with application in pharmacy. Soft Computing, 2017, 21, 353-368.	2.1	1
32	Choquet based TOPSIS and TODIM for dynamic and heterogeneous decision making with criteria interaction. Information Sciences, 2017, 408, 41-69.	4.0	116
33	Collective Perception in Smart Tourism Destinations with Rough Sets. , 2017, , .		17
34	Composition-based Users' matching processes with pythagorean fuzzy sets. , 2017, , .		6
35	Ensemble of active contour based image segmentation. , 2017, , .		0
36	Learning Processes Based on Data Sources with Certainty Levels in Linked Open Data. , 2016, , .		2

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37	Application of Granular Computing and Three-way decisions to Analysis of Competing Hypotheses. , 2016, , .		4
38	Validation and implementation of fuzzy models using FML-based specifications. , 2016, , .		2
39	Fuzzy-Based Mechanisms for Selection and Recommendation Processes. Studies in Fuzziness and Soft Computing, 2016, , 197-220.	0.6	0
40	Collective awareness in Smart City with Fuzzy Cognitive Maps and Fuzzy sets. , 2016, , .		15
41	Similarity-based method for reduction of fuzzy rules. , 2016, , .		3
42	Linked Opened Data: Conjunctive information and participatory learning process. , 2016, , .		1
43	LORI: Linguistically Oriented RDF Interface for Querying Fuzzy Temporal Data. Advances in Intelligent Systems and Computing, 2016, , 337-352.	0.5	2
44	Dynamic Analysis of Participatory Learning in Linked Open Data: Certainty and Adaptation. Communications in Computer and Information Science, 2016, , 667-677.	0.4	1
45	Querying RDF Data with Imprecise Time Phrases. , 2015, , .		1
46	Soft Computing Techniques for Querying XBRL Data. Intelligent Systems in Accounting, Finance and Management, 2015, 22, 179-199.	2.8	2
47	Evolutionary Reduction of Fuzzy Rule-Based Models. Studies in Fuzziness and Soft Computing, 2015, , 459-481.	0.6	11
48	Constructing Topos from RDF Data. , 2015, , .		3
49	Estimating Harvestable Solar Energy from Atmospheric Pressure Using Support Vector Regression. , 2015, , .		1
50	The Web, Similarity, and Fuzziness. Studies in Fuzziness and Soft Computing, 2015, , 519-536.	0.6	0
51	Extending FML with evolving capabilities through a scripting language approach. , 2014, , .		6
52	Modelling of Experienced-Based Data in Linked Data Environment. , 2014, , .		4
53	Special section: Applications of computational intelligence and machine learning to software engineering. Information Sciences, 2014, 259, 393-395.	4.0	0
54	A study in facial regions saliency: a fuzzy measure approach. Soft Computing, 2014, 18, 379-391.	2.1	29

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55	Fuzziness and Ontology in Personalization of Selection Processes in the Semantic Web. , 2014, , .		0
56	Combining Fuzzy Ontology Reasoning and Mamdani Fuzzy Inference System with HyFOM Reasoner. Lecture Notes in Business Information Processing, 2014, , 174-189.	0.8	3
57	Suggesting Recommendations Using Pythagorean Fuzzy Sets illustrated Using Netflix Movie Data. Communications in Computer and Information Science, 2014, , 546-556.	0.4	58
58	Learning Categories from Linked Open Data. Communications in Computer and Information Science, 2014, , 396-405.	0.4	10
59	Human-inspired Identification of High-level Concepts using OWA and Linguistic Quantifiers. International Journal of Computers, Communications and Control, 2014, 6, 473.	1.2	4
60	Context-aware similarity assessment within semantic space formed in linked data. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 515-532.	3.3	15
61	Analysis and design of rank-based classifiers. Expert Systems With Applications, 2013, 40, 3256-3265.	4.4	2
62	Interval-based analysis of BOCR (benefits, opportunities, costs and risks) models evaluated by multiple experts. , 2013, , .		1
63	T2R: System for Converting Textual Documents into RDF Triples. , 2013, , .		6
64	Fuzzy semantic similarity in linked data using wikipedia infobox. , 2013, , .		1
65	Looking for Like-Minded Individuals in Social Networks Using Tagging and E Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2013, 21, 672-687.	6.5	21
66	Using tagging in social networks to find groups of compatible users. , 2013, , .		4
67	Soft Computing for Intelligent Web. International Journal of Intelligent Systems, 2013, 28, 1-3.	3.3	0
68	Assessment of semantic similarity of concepts defined in ontology. Information Sciences, 2013, 250, 21-39.	4.0	22
69	Local descriptors and similarity measures for frontal face recognition: A comparative analysis. Journal of Visual Communication and Image Representation, 2013, 24, 1213-1231.	1.7	43
70	Local descriptors in application to the aging problem in face recognition. Pattern Recognition, 2013, 46, 2634-2646.	5.1	68
71	A FML-based hybrid reasoner combining fuzzy ontology and Mamdani inference. , 2013, , .		6
72	Feature-based similarity assessment in ontology using fuzzy set theory. , 2012, , .		4

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73	Ontology-based framework for reasoning with fuzzy temporal data. , 2012, , .		3
74	Message from NAFIPS general chairs. , 2012, , .		0
75	Fuzzy semantic similarity in linked data using the OWA operator. , 2012, , .		4
76	Analytic Hierarchy Process and granularity: Assessment of risk severity on livestock wellness. , 2012, , .		2
77	Determining Affinity of Users in Social Networks Using Fuzzy Sets. Communications in Computer and Information Science, 2012, , 149-160.	0.4	1
78	Assimilation of Information in RDF-Based Knowledge Base. Communications in Computer and Information Science, 2012, , 191-200.	0.4	2
79	Fuzziness, OWA and linguistic quantifiers for web selection processes. , 2011, , .		4
80	Tag-based fuzzy sets for criteria evaluation in on-line selection processes. Journal of Ambient Intelligence and Humanized Computing, 2011, 2, 35-51.	3.3	6
81	Using a web Personal Evaluation Tool â€" PET for lexicographic multi-criteria service selection. Knowledge-Based Systems, 2011, 24, 929-942.	4.0	45
82	A schema for ontology-based concept definition and identification. International Journal of Computer Applications in Technology, 2010, 38, 333.	0.3	4
83	Using fuzzy sets to model information provided by social tagging. , 2010, , .		3
84	WebPET: An Online Tool for Lexicographic Decision Making. IEEE Intelligent Systems, 2010, 25, 76-83.	4.0	16
85	Tagging and Fuzzy Sets. Studies in Computational Intelligence, 2010, , 1-17.	0.7	1
86	Ontology Driven Document Identification in Semantic Web. Advances in Semantic Web and Information Systems Series, 2010, , 186-220.	0.0	0
87	Ontological approach to development of computing with words based systems. International Journal of Approximate Reasoning, 2009, 50, 72-91.	1.9	49
88	Updating user profile using ontology-based semantic similarity. , 2009, , .		6
89	Aggregation of classifiers based on image transformations in biometric face recognition. Machine Vision and Applications, 2008, 19, 125-140.	1.7	15
90	Building ensemble classifiers using belief functions and OWA operators. Soft Computing, 2008, 12, 543-558.	2.1	28

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91	A tree-projection-based algorithm for multi-label recurrent-item associative-classification rule generation. Data and Knowledge Engineering, 2008, 64, 171-197.	2.1	29
92	Ontology Enhanced Concept Hierarchies for Text Identification. International Journal on Semantic Web and Information Systems, 2008, 4, 16-43.	2.2	1
93	Classification of Cell Membrane Proteins. , 2007, , .		11
94	A practical method for the software fault-prediction. , 2007, , .		18
95	Genetic algorithms for hardware–software partitioning and optimal resource allocation. Journal of Systems Architecture, 2007, 53, 339-354.	2.5	38
96	Machine learning in the life sciences. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 14-16.	1.1	8
97	Multilabel associative classification categorization of MEDLINE aticles into MeSH keywords. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 47-55.	1.1	18
98	Introduction to the special issue on: "Software Quality Improvements and Estimations with Intelligence-based Methods". Software Quality Journal, 2007, 15, 237-240.	1.4	0
99	Empirical evaluation of optimization algorithms when used in goal-oriented automated test data generation techniques. Empirical Software Engineering, 2007, 12, 183-239.	3.0	50
100	A practical approach to testing GUI systems. Empirical Software Engineering, 2007, 12, 331-357.	3.0	22
101	On the possibilities of (pseudo-) software cloning from external interactions. Soft Computing, 2007, 12, 29-49.	2.1	6
102	xGENIA: A comprehensive OWL ontology based on the GENIA corpus. Bioinformation, 2007, 1, 360-362.	0.2	3
103	Intelligent Analysis of Software Maintenance Data. , 2007, , 14-51.		0
104	Software Maintenance: Similarity and Inclusion of Rules in Knowledge Extraction. , 2006, , .		1
105	Protoforms and Category Theory. , 2006, , .		0
106	Ontology-Enhanced Computing with Words. , 2006, , .		0
107	OR/AND neurons and the development of interpretable logic models. IEEE Transactions on Neural Networks, 2006, 17, 636-658.	4.8	17
108	Automatic test data generation using genetic algorithm and program dependence graphs. Information and Software Technology, 2006, 48, 586-605.	3.0	63

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109	Immune programming. Information Sciences, 2006, 176, 972-1002.	4.0	91
110	Hierarchical FCM in a stepwise discovery of structure in data. Soft Computing, 2006, 10, 244-256.	2.1	22
111	Deterioration of visual information in face classification using Eigenfaces and Fisherfaces. Machine Vision and Applications, 2006, 17, 68-82.	1.7	7
112	An Optimization of ac-cuts of Fuzzy Sets Through Particle Swarm Optimization. , 2006, , .		0
113	Genetically optimized logic models. Fuzzy Sets and Systems, 2005, 150, 351-371.	1.6	27
114	Genetic learning of fuzzy cognitive maps. Fuzzy Sets and Systems, 2005, 153, 371-401.	1.6	416
115	A fuzzy-based multimodel system for reasoning about the number of software defects. International Journal of Intelligent Systems, 2005, 20, 1093-1115.	3.3	11
116	Learning fuzzy cognitive maps with required precision using genetic algorithm approach. Electronics Letters, 2004, 40, 1519.	0.5	31
117	Cascade Architectures of Fuzzy Neural Networks. Fuzzy Optimization and Decision Making, 2004, 3, 5-37.	3.4	20
118	Building a software experience factory using granular-based models. Fuzzy Sets and Systems, 2004, 145, 111-139.	1.6	12
119	Software quality analysis with the use of computational intelligence. Information and Software Technology, 2003, 45, 405-417.	3.0	30
120	Evolutionary fuzzy modeling. IEEE Transactions on Fuzzy Systems, 2003, 11, 652-665.	6.5	71
121	Evolutionary Optimization of Fuzzy Models. Studies in Fuzziness and Soft Computing, 2002, , 168-203.	0.6	2
122	Application of genetic algorithms to pattern recognition of defects in GIS. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 161-168.	1.8	36
123	Software cost estimation with fuzzy models. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2000, 8, 24-29.	0.5	62
124	Rule-based modeling of nonlinear relationships. IEEE Transactions on Fuzzy Systems, 1997, 5, 256-269.	6.5	30
125	Rule-based models of multivariable functions. Fuzzy Sets and Systems, 1997, 90, 235-253.	1.6	2
126	Participatory Learning in Linked Open Data. , 0, , .		4