Qiang Shen

List of Publications by Year
in descending order

261 papers	8,427 citations	94269 37 h-index	56606 83 g-index
270 all docs	270 docs citations	270 times ranked	4546 citing authors

#	Article	IF	Citations
1	Spectral–Spatial Classification of Hyperspectral Imagery with 3D Convolutional Neural Network. Remote Sensing, 2017, 9, 67.	1.8	833
2	New Approaches to Fuzzy-Rough Feature Selection. IEEE Transactions on Fuzzy Systems, 2009, 17, 824-838.	6.5	482
3	Fuzzy–rough attribute reduction with application to web categorization. Fuzzy Sets and Systems, 2004, 141, 469-485.	1.6	445
4	Fuzzy-Rough Sets Assisted Attribute Selection. IEEE Transactions on Fuzzy Systems, 2007, 15, 73-89.	6.5	380
5	Rough set-aided keyword reduction for text categorization. Applied Artificial Intelligence, 2001, 15, 843-873.	2.0	244
6	Learning Bayesian networks: approaches and issues. Knowledge Engineering Review, 2011, 26, 99-157.	2.1	242
7	Spectral-spatial classification of hyperspectral imagery using a dual-channel convolutional neural network. Remote Sensing Letters, 2017, 8, 438-447.	0.6	223
8	Deep learning for remote sensing image classification: A survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1264.	4.6	222
9	Fuzzy interpolative reasoning via scale and move transformations. IEEE Transactions on Fuzzy Systems, 2006, 14, 340-359.	6.5	206
10	Selecting informative features with fuzzy-rough sets and its application for complex systems monitoring. Pattern Recognition, 2004, 37, 1351-1363.	5.1	203
11	Fuzzy Interpolation and Extrapolation: A Practical Approach. IEEE Transactions on Fuzzy Systems, 2008, 16, 13-28.	6.5	192
12	A rough-fuzzy approach for generating classification rules. Pattern Recognition, 2002, 35, 2425-2438.	5.1	188
13	Fuzzy-rough data reduction with ant colony optimization. Fuzzy Sets and Systems, 2005, 149, 5-20.	1.6	176
14	Hyperspectral Classification Based on Lightweight 3-D-CNN With Transfer Learning. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5813-5828.	2.7	152
15	Feature Selection With Harmony Search. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1509-1523.	5.5	137
16	A Distance Measure Approach to Exploring the Rough Set Boundary Region for Attribute Reduction. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 305-317.	4.0	107
17	Adaptive Fuzzy Interpolation. IEEE Transactions on Fuzzy Systems, 2011, 19, 1107-1126.	6.5	107
18	Exploring the boundary region of tolerance rough sets for feature selection. Pattern Recognition, 2009, 42, 655-667.	5.1	104

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19	Multi-objective robust optimisation model for MDVRPLS in refined oil distribution. International Journal of Production Research, 2022, 60, 6772-6792.	4.9	96
20	A modular approach to generating fuzzy rules with reduced attributes for the monitoring of complex systems. Engineering Applications of Artificial Intelligence, 2000, 13, 263-278.	4.3	91
21	Feature Selection Inspired Classifier Ensemble Reduction. IEEE Transactions on Cybernetics, 2014, 44, 1259-1268.	6.2	82
22	Dynamic Fuzzy Rule Interpolation and Its Application to Intrusion Detection. IEEE Transactions on Fuzzy Systems, 2018, 26, 1878-1892.	6.5	78
23	From approximative to descriptive fuzzy classifiers. IEEE Transactions on Fuzzy Systems, 2002, 10, 484-497.	6.5	75
24	Generalized Adaptive Fuzzy Rule Interpolation. IEEE Transactions on Fuzzy Systems, 2017, 25, 839-853.	6.5	71
25	Nature inspired feature selection meta-heuristics. Artificial Intelligence Review, 2015, 44, 311-340.	9.7	67
26	Closed form fuzzy interpolation. Fuzzy Sets and Systems, 2013, 225, 1-22.	1.6	65
27	Data-driven fuzzy rule generation and its application for student academic performance evaluation. Applied Intelligence, 2006, 25, 305-319.	3.3	63
28	High-resolution triplet network with dynamic multiscale feature for change detection on satellite images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 103-115.	4.9	63
29	Backward Fuzzy Rule Interpolation. IEEE Transactions on Fuzzy Systems, 2014, 22, 1682-1698.	6.5	62
30	Rough sets, their extensions and applications. International Journal of Automation and Computing, 2007, 4, 217-228.	4.5	59
31	Nearest-Neighbor Guided Evaluation of Data Reliability and Its Applications. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1622-1633.	5.5	58
32	Finding rough and fuzzy-rough set reducts with SAT. Information Sciences, 2014, 255, 100-120.	4.0	56
33	Induction of accurate and interpretable fuzzy rules from preliminary crisp representation. Knowledge-Based Systems, 2018, 146, 152-166.	4.0	53
34	A Rough Set-Aided System for Sorting WWW Bookmarks. Lecture Notes in Computer Science, 2001, , 95-105.	1.0	49
35	Extending Data Reliability Measure to a Filter Approach for Soft Subspace Clustering. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1705-1714.	5.5	47
36	Rough-fuzzy rule interpolation. Information Sciences, 2016, 351, 1-17.	4.0	44

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37	Are More Features Better? A Response to *Attributes Reduction Using Fuzzy Rough Sets*. IEEE Transactions on Fuzzy Systems, 2009, 17, 1456-1458.	6.5	43
38	Fuzzy-rough sets for descriptive dimensionality reduction. , 0, , .		41
39	A Decision Tree-Initialised Neuro-fuzzy Approach for Clinical Decision Support. Artificial Intelligence in Medicine, 2021, 111, 101986.	3.8	40
40	A New Approach for Transformation-Based Fuzzy Rule Interpolation. IEEE Transactions on Fuzzy Systems, 2020, 28, 3330-3344.	6.5	39
41	A new fuzzy interpolative reasoning method based on center of gravity. , 0, , .		38
42	Self-adjusting harmony search-based feature selection. Soft Computing, 2015, 19, 1567-1579.	2.1	38
43	Generalisation of Scale and Move Transformation-Based Fuzzy Interpolation. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 288-298.	0.5	38
44	Fuzzy-rough approaches for mammographic risk analysis. Intelligent Data Analysis, 2010, 14, 225-244.	0.4	37
45	Fuzzy Rule Based Interpolative Reasoning Supported by Attribute Ranking. IEEE Transactions on Fuzzy Systems, 2018, 26, 2758-2773.	6.5	37
46	On compositional modelling. Knowledge Engineering Review, 2001, 16, 157-200.	2.1	35
47	Disclosing false identity through hybrid link analysis. Artificial Intelligence and Law, 2010, 18, 77-102.	3.0	35
48	Fuzzy Compositional Modeling. IEEE Transactions on Fuzzy Systems, 2010, 18, 823-840.	6.5	35
49	A recurrent emotional CMAC neural network controller for vision-based mobile robots. Neurocomputing, 2019, 334, 227-238.	3.5	33
50	Towards dynamic fuzzy rule interpolation. , 2013, , .		31
51	Genetic algorithm-aided dynamic fuzzy rule interpolation. , 2014, , .		31
52	Exploiting Data Reliability and Fuzzy Clustering for Journal Ranking. IEEE Transactions on Fuzzy Systems, 2017, 25, 1306-1319.	6.5	31
53	Hybrid fuzzy-rough rule induction and feature selection. , 2009, , .		30
54	Fuzzy rrDFCSP and planning. Artificial Intelligence, 2003, 148, 11-52.	3.9	28

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55	Linguistic probabilities: theory and application. Soft Computing, 2009, 13, 169-183.	2.1	28
56	Semantic-Aware Real-Time Correlation Tracking Framework for UAV Videos. IEEE Transactions on Cybernetics, 2022, 52, 2418-2429.	6.2	28
57	EVIDENCE DIRECTED GENERATION OF PLAUSIBLE CRIME SCENARIOS WITH IDENTITY RESOLUTION. Applied Artificial Intelligence, 2010, 24, 253-276.	2.0	27
58	Fuzzy complex numbers and their application for classifiers performance evaluation. Pattern Recognition, 2011, 44, 1403-1417.	5.1	27
59	Fuzzy rule weight modification with particle swarm optimisation. Soft Computing, 2016, 20, 2923-2937.	2.1	27
60	A hierarchical fuzzy cluster ensemble approach and its application to big data clustering. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2409-2421.	0.8	26
61	Image fusion via nonlocal sparse K-SVD dictionary learning. Applied Optics, 2016, 55, 1814.	2.1	26
62	Decoder Choice Network for Metalearning. IEEE Transactions on Cybernetics, 2023, 53, 3440-3453.	6.2	25
63	Towards adaptive interpolative reasoning. , 2009, , .		24
64	Two new approaches to feature selection with harmony search. , 2010, , .		24
65	Fuzzy similarity-based nearest-neighbour classification as alternatives to their fuzzy-rough parallels. International Journal of Approximate Reasoning, 2013, 54, 184-195.	1.9	24
66	A developmental approach to robotic pointing via human–robot interaction. Information Sciences, 2014, 283, 288-303.	4.0	24
67	Interpretable mammographic mass classification with fuzzy interpolative reasoning. Knowledge-Based Systems, 2020, 191, 105279.	4.0	24
68	Combining rough sets and data-driven fuzzy learning for generation of classification rules. Pattern Recognition, 1999, 32, 2073-2076.	5.1	23
69	Simultaneous Ant Colony Optimization Algorithms for Learning Linguistic Fuzzy Rules. Studies in Computational Intelligence, 2006, , 75-99.	0.7	23
70	Risk assessment of serious crime with fuzzy random theory. Information Sciences, 2010, 180, 4401-4411.	4.0	23
71	Real-time infrared target tracking based on ℓ_1 minimization and compressive features. Applied Optics, 2014, 53, 6518.	0.9	23
72	Linguistic Bayesian Networks for reasoning with subjective probabilities in forensic statistics. , 2003, , .		22

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73	Interpolation With Just Two Nearest Neighboring Weighted Fuzzy Rules. IEEE Transactions on Fuzzy Systems, 2020, 28, 2255-2262.	6.5	21
74	Particle Swarm Optimized Autonomous Learning Fuzzy System. IEEE Transactions on Cybernetics, 2021, 51, 5352-5363.	6.2	21
75	Change detection in multitemporal synthetic aperture radar images using dual-channel convolutional neural network. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	21
76	Fuzzy Knowledge-Based Prediction Through Weighted Rule Interpolation. IEEE Transactions on Cybernetics, 2020, 50, 4508-4517.	6.2	20
77	A self-adaptive fuzzy learning system for streaming data prediction. Information Sciences, 2021, 579, 623-647.	4.0	20
78	Tolerance-based and Fuzzy-Rough Feature Selection. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	19
79	Application of dynamic fuzzy rule interpolation for intrusion detection: D-FRI-Snort. , 2016, , .		19
80	A data-driven robotic Chinese calligraphy system using convolutional auto-encoder and differential evolution. Knowledge-Based Systems, 2019, 182, 104802.	4.0	19
81	Approximate reasoning with fuzzy rule interpolation: background and recent advances. Artificial Intelligence Review, 2021, 54, 4543-4590.	9.7	19
82	Aiding Classification of Gene Expression Data with Feature Selection: A Comparative Study. International Journal of Computational Intelligence Research, 2005, 1, .	0.3	19
83	Image Fusion for Spatial Enhancement of Hyperspectral Image via Pixel Group Based Non-Local Sparse Representation. Remote Sensing, 2017, 9, 53.	1.8	18
84	ROUGH FEATURE SELECTION FOR NEURAL NETWORK BASED IMAGE CLASSIFICATION. International Journal of Image and Graphics, 2002, 02, 541-555.	1.2	17
85	Unmanned Aerial Vehicle Object Tracking by Correlation Filter with Adaptive Appearance Model. Sensors, 2018, 18, 2751.	2.1	17
86	Sentiment Classification of Drug Reviews Using Fuzzy-rough Feature Selection. , 2019, , .		17
87	Multi-criterion mammographic risk analysis supported with multi-label fuzzy-rough feature selection. Artificial Intelligence in Medicine, 2019, 100, 101722.	3.8	17
88	ANFIS Construction With Sparse Data via Group Rule Interpolation. IEEE Transactions on Cybernetics, 2021, 51, 2773-2786.	6.2	17
89	Integration of interpolation and inference. , 2012, , .		16
90	D-FRI-WinFirewall: Dynamic fuzzy rule interpolation for Windows Firewall. , 2017, , .		16

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91	Visual-Guided Robotic Object Grasping Using Dual Neural Network Controllers. IEEE Transactions on Industrial Informatics, 2021, 17, 2282-2291.	7.2	16
92	Feature grouping and selection: A graph-based approach. Information Sciences, 2021, 546, 1256-1272.	4.0	16
93	A Self-Training Hierarchical Prototype-based Ensemble Framework for Remote Sensing Scene Classification. Information Fusion, 2022, 80, 179-204.	11.7	16
94	Diagnosing continuous systems with qualitative dynamic models. Advanced Engineering Informatics, 1995, 9, 107-125.	0.5	15
95	Random fuzzy alternating renewal processes. Soft Computing, 2009, 13, 139-147.	2.1	15
96	Link-based approach for bibliometric journal ranking. Soft Computing, 2013, 17, 2399-2410.	2.1	15
97	Choice of effective fitness functions for genetic algorithm-aided dynamic fuzzy rule interpolation. , 2015, , .		15
98	Kernel-based Fuzzy-rough Nearest-neighbour Classification for Mammographic Risk Analysis. International Journal of Fuzzy Systems, 2015, 17, 471-483.	2.3	15
99	Ordered weighted aggregation of fuzzy similarity relations and its application to detecting water treatment plant malfunction. Engineering Applications of Artificial Intelligence, 2017, 66, 17-29.	4.3	15
100	Low-Cost Inertial Measurement Unit Calibration With Nonlinear Scale Factors. IEEE Transactions on Industrial Informatics, 2022, 18, 1028-1038.	7.2	15
101	Dynamic Flexible Constraint Satisfaction. Applied Intelligence, 2000, 13, 231-245.	3.3	14
102	Fuzzy Entropy-assisted Fuzzy-Rough Feature Selection. , 2006, , .		14
103	Adaptive fuzzy interpolation and extrapolation with multiple-antecedent rules. , 2010, , .		14
104	Facilitating efficient Mars terrain image classification with fuzzy-rough feature selection. International Journal of Hybrid Intelligent Systems, 2011, 8, 3-13.	0.9	14
105	Antecedent selection in fuzzy rule interpolation using feature selection techniques. , 2014, , .		14
106	Fuzzy-clustering embedded regression for predicting student academic performance. , 2016, , .		14
107	Backward Fuzzy Rule Interpolation. , 2019, , .		14
108	Probabilistic abductive computation of evidence collection strategies in crime investigation. , 2005, , .		13

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109	Clus-DOWA: A new dependent OWA operator. , 2008, , .		13
110	Kernel-based fuzzy-rough nearest neighbour classification. , 2011, , .		13
111	Compositional Bayesian modelling for computation of evidence collection strategies. Applied Intelligence, 2011, 35, 134-161.	3.3	13
112	Fuzzy Orders-of-Magnitude-Based Link Analysis for Qualitative Alias Detection. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 649-664.	4.0	13
113	Backward fuzzy rule interpolation with multiple missing values. , 2013, , .		13
114	Closed form fuzzy interpolation with interval type-2 fuzzy sets. , 2014, , .		13
115	Adaptive fuzzy interpolation with uncertain observations and rule base. , 2011, , .		12
116	Adaptive fuzzy interpolation with prioritized component candidates. , 2011, , .		12
117	A new method for rule interpolation inspired by rough-fuzzy sets. , 2012, , .		12
118	Multi-functional nearest-neighbour classification. Soft Computing, 2018, 22, 2717-2730.	2.1	12
119	Intelligent Dynamic Honeypot Enabled by Dynamic Fuzzy Rule Interpolation. , 2018, , .		12
120	Fuzzy-rough assisted refinement of image processing procedure for mammographic risk assessment. Applied Soft Computing Journal, 2020, 91, 106230.	4.1	12
121	Finding Rough Set Reducts with SAT. Lecture Notes in Computer Science, 2005, , 194-203.	1.0	12
122	On extending the quantity space in qualitative reasoning. Advanced Engineering Informatics, 1992, 7, 167-173.	0.5	11
123	Efficient flexible planning via dynamic flexible constraint satisfaction. Engineering Applications of Artificial Intelligence, 2001, 14, 301-327.	4.3	11
124	Interval-valued fuzzy-rough feature selection in datasets with missing values. , 2009, , .		11
125	Vigilant Dynamic Honeypot Assisted by Dynamic Fuzzy Rule Interpolation. , 2018, , .		11
126	D-FRI-Honeypot: A Secure Sting Operation for Hacking the Hackers Using Dynamic Fuzzy Rule Interpolation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, , 1-15.	3.4	11

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127	Evolutionary approaches to fuzzy modelling for classification. Knowledge Engineering Review, 2004, 19, 27-59.	2.1	10
128	Reinforcing fuzzy rule-based diagnosis of turbomachines with case-based reasoning. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2008, 12, 173-181.	0.7	10
129	A Credibilistic Approach to Assumption-Based Truth Maintenance. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 85-96.	3.4	10
130	Hard, flexible and dynamic constraint satisfaction. Knowledge Engineering Review, 1999, 14, 199-220.	2.1	9
131	Modeling Random Fuzzy Renewal Reward Processes. IEEE Transactions on Fuzzy Systems, 2008, 16, 1379-1385.	6.5	9
132	Preserving piece-wise linearity in fuzzy interpolation. , 2009, , .		9
133	FUZZY QUALITATIVE LINK ANALYSIS FOR ACADEMIC PERFORMANCE EVALUATION. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2011, 19, 559-585.	0.9	9
134	Robust Correlation Tracking for UAV Videos via Feature Fusion and Saliency Proposals. Remote Sensing, 2018, 10, 1644.	1.8	9
135	Inconsistency guided robust attribute reduction. Information Sciences, 2021, 580, 69-91.	4.0	9
136	Linguistic hedges on trapezoidal fuzzy sets: a revisit. , 0, , .		8
137	Distance Measure Assisted Rough Set Feature Selection. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	8
138	Fuzzy-rough classifier ensemble selection. , 2011, , .		8
139	Backward fuzzy interpolation and extrapolation with multiple multi-antecedent rules. , 2012, , .		8
140	Scale and move transformation-based fuzzy rule interpolation with interval type-2 fuzzy sets. , 2013, , .		8
141	Link-based pairwise similarity matrix approach for fuzzy c-means clustering ensemble. , 2014, , .		8
142	Handwritten Chinese character recognition using fuzzy image alignment. Soft Computing, 2016, 20, 2939-2949.	2.1	8
143	Fuzzy c-means based coincidental link filtering in support of inferring social networks from spatiotemporal data streams. Soft Computing, 2018, 22, 7015-7025.	2.1	8
144	Non-unique decision differential entropy-based feature selection. Neurocomputing, 2020, 393, 187-193.	3.5	8

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145	Automatic segmentation of fish midlines for optimizing robot design. Bioinspiration and Biomimetics, 2021, 16, 046005.	1.5	8
146	A fuzzy expert system for vibration cause identification in rotating machines. , 0, , .		7
147	Fuzzy rules from ant-inspired computation. , 0, , .		7
148	Fault Identification Through the Combination of Symbolic Conflict Recognition and Markov Chain-Aided Belief Revision. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2004, 34, 649-663.	3.4	7
149	Webpage Classification with ACO-Enhanced Fuzzy-Rough Feature Selection. Lecture Notes in Computer Science, 2006, , 147-156.	1.0	7
150	Linguistic rulesets extracted from a quantifier-based fuzzy classification system. , 2009, , .		7
151	Object tracking based on incremental Bi-2DPCA learning with sparse structure. Applied Optics, 2015, 54, 2897.	0.9	7
152	Perception of Localized Features During Robotic Sensorimotor Development. IEEE Transactions on Cognitive and Developmental Systems, 2017, 9, 127-140.	2.6	7
153	Transformation-Based Fuzzy Rule Interpolation Using Interval Type-2 Fuzzy Sets. Algorithms, 2017, 10, 91.	1.2	7
154	Convolutional LSTM-Based Hierarchical Feature Fusion for Multispectral Pan-Sharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	7
155	Constructing ANFIS With Sparse Data Through Group-Based Rule Interpolation: An Evolutionary Approach. IEEE Transactions on Fuzzy Systems, 2022, 30, 893-907.	6.5	7
156	Towards a linguistic probability theory. , 0, , .		6
157	Linguistic Hedges for Ant-generated Rules. , 2006, , .		6
158	Fuzzy diagnosis of turbomachines. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2008, 12, 137-146.	0.7	6
159	Feature selection for aiding glass forensic evidence analysis. Intelligent Data Analysis, 2009, 13, 703-723.	0.4	6
160	Babybot challenge: Motor skills. , 2015, , .		6
161	Remote sensing image registration based on Gaussian-Hermite moments and the Pseudo-RANSAC algorithm. Remote Sensing Letters, 2017, 8, 1162-1171.	0.6	6
162	Single frame image super resolution via learning multiple ANFIS mappings. , 2017, , .		6

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163	Weighted Fuzzy Rules Optimised by Particle Swarm for Network Intrusion Detection. , 2018, , .		6
164	D-FRI-CiscoFirewall: Dynamic Fuzzy Rule Interpolation for Cisco ASA Firewall. , 2019, , .		6
165	Quality Management by Warranty Contract Under Dual Asymmetric Information. IEEE Transactions on Engineering Management, 2022, 69, 1022-1036.	2.4	6
166	Robot Multimodal Object Perception and Recognition: Synthetic Maturation of Sensorimotor Learning in Embodied Systems. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 416-428.	2.6	6
167	Fuzzy Rule Interpolation With K-Neighbors for TSK Models. IEEE Transactions on Fuzzy Systems, 2022, 30, 4031-4043.	6.5	6
168	Scale and move transformation-based fuzzy interpolative reasoning: a revisit. , 0, , .		5
169	Finding fuzzy-rough reducts with fuzzy entropy. , 2008, , .		5
170	Dynamic feature selection with fuzzy-rough sets. , 2013, , .		5
171	Bidirectional approximate reasoning-based approach for decision support. Information Sciences, 2020, 506, 99-112.	4.0	5
172	Extending FCSP to support dynamically changing problems. , 1999, , .		4
173	Towards Fuzzy Compositional Modelling. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	4
174	Effective Feature Selection for Mars McMurdo Terrain Image Classification. , 2009, , .		4
175	A harmony search based approach to hybrid fuzzy-rough rule induction. , 2012, , .		4
176	OWA aggregation of fuzzy similarity relations for journal ranking. , 2013, , .		4
177	Towards learning strategies and exploration patterns for feature perception. , 2016, , .		4
178	Feature ranking-guided fuzzy rule interpolation. , 2017, , .		4
179	Developing Hierarchical Schemas and Building Schema Chains Through Practice Play Behavior. Frontiers in Neurorobotics, 2018, 12, 33.	1.6	4
180	A Novel Framework of Fuzzy Rule Interpolation for Takagi-Sugeno-Kang Inference Systems. , 2019, , .		4

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181	Effective Diagnosis of Diabetes with a Decision Tree-Initialised Neuro-fuzzy Approach. Advances in Intelligent Systems and Computing, 2019, , 227-239.	0.5	4
182	Assessing Significance of Cognitive Assessments for Diagnosing Alzheimer's Disease with Fuzzy-Rough Feature Selection. Advances in Intelligent Systems and Computing, 2022, , 450-462.	0.5	4
183	Self-Organizing Fuzzy Belief Inference System for Classification. IEEE Transactions on Fuzzy Systems, 2022, 30, 5473-5483.	6.5	4
184	Exhibiting the Behavior of Time-Delayed Systems via an Extension to Qualitative Simulation. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 298-305.	3.4	3
185	Iterative vs Simultaneous Fuzzy Rule Induction. , 2005, , .		3
186	Transformation Based Interpolation with Generalized Representative Values. , 0, , .		3
187	Granularity and disaggregation in compositional modelling with applications to ecological systems. Applied Intelligence, 2006, 25, 269-292.	3.3	3
188	Approximation-based feature selection and application forÂalgae population estimation. Applied Intelligence, 2008, 28, 167-181.	3.3	3
189	A novel framework of fuzzy complex numbers and its application to compositional modelling. , 2009, , .		3
190	Semi-supervised OWA aggregation for link-based similarity evaluation and alias detection. , 2009, , .		3
191	Extending propositional satisfiability to determine minimal fuzzy-rough reducts. , 2010, , .		3
192	Efficient feature selection using a self-adjusting harmony search algorithm. , 2013, , .		3
193	Reliability-guided fuzzy classifier ensemble. , 2017, , .		3
194	Improving fuzzy rule interpolation performance with information gain-guided antecedent weighting. Soft Computing, 2018, 22, 3125-3139.	2.1	3
195	Image Super Resolution with Sparse Data Using ANFIS Interpolation. , 2020, , .		3
196	Risk Models for Hazardous Material Transportation Subject to Weight Variation Considerations. IEEE Transactions on Fuzzy Systems, 2021, 29, 2271-2282.	6.5	3
197	Discovering Schema-Based Action Sequences Through Play in Situated Humanoid Robots. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1021-1035.	2.6	3
198	Rough Set-Based Dimensionality Reduction for Multivariate Adaptive Regression Splines. Lecture Notes in Computer Science, 2001, , 144-151.	1.0	3

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199	Taking Fuzzy-Rough Application to Mars. Lecture Notes in Computer Science, 2009, , 209-216.	1.0	3
200	Decomposed Neural Architecture Search for image denoising. Applied Soft Computing Journal, 2022, 124, 108914.	4.1	3
201	Knowledge-Based Fault Detection in Industrial Plants Supported by Rough-Fuzzy Learning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 657-662.	0.4	2
202	Random fuzzy delayed renewal processes. Soft Computing, 2009, 13, 681-690.	2.1	2
203	Extreme learning machine for mammographie risk analysis. , 2010, , .		2
204	Deterministic parameter control in Harmony Search. , 2010, , .		2
205	α-cut-based backward fuzzy interpolation. , 2014, , .		2
206	Refinement of fuzzy rule weights with particle swarm optimisation. , 2014, , .		2
207	Heuristic search for fuzzy-rough bireducts and its use in classifier ensembles. , 2014, , .		2
208	Fuzzy rough feature selection based on OWA aggregation of fuzzy relations. , 2017, , .		2
209	Building a cognizant honeypot for detecting active fingerprinting attacks using dynamic fuzzy rule interpolation. Expert Systems, 2021, 38, e12557.	2.9	2
210	Exclusive lasso-based k-nearest-neighbor classification. Neural Computing and Applications, 2021, 33, 14247-14261.	3.2	2
211	Transformation Based Backward Fuzzy Rule Interpolation with Multiple Missing Antecedent Values. , 2019, , 75-89.		2
212	Guiding Fuzzy Rule Interpolation with Information Gains. Advances in Intelligent Systems and Computing, 2017, , 165-183.	0.5	2
213	Single Frame Image Super Resolution Using ANFIS Interpolation: An Initial Experiment-Based Approach. Advances in Intelligent Systems and Computing, 2020, , 27-40.	0.5	2
214	Learning correlation filter with fused feature and reliable response for real-time tracking. Journal of Real-Time Image Processing, 2022, 19, 417-427.	2.2	2
215	A Type 2 wavelet brain emotional learning network with double recurrent loops based controller for nonlinear systems. Knowledge-Based Systems, 2022, 251, 109274.	4.0	2
216	Detecting inverse responses in chemical reaction processes with fuzzy qualitative simulation. , 0, , .		1

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217	Combining Symbolic Conflict Recognition with Markov Chains for Fault Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 1053-1058.	0.4	1
218	Fuzzy model fragment retrieval. , 2008, , .		1
219	Interpolating destin features for image classification. , 2013, , .		1
220	Modified gradient-based learning for local coupled feedforward neural networks with Gaussian basis function. Neural Computing and Applications, 2013, 22, 379-394.	3.2	1
221	OWA-based fuzzy rule interpolation for group decision making. , 2014, , .		1
222	Induction of quantified fuzzy rules with Particle Swarm Optimisation. , 2015, , .		1
223	Backward rough-fuzzy rule interpolation. , 2015, , .		1
224	Developing object understanding through schema generalisation. , 2016, , .		1
225	Generalising Predictable Object Movements Through Experience Using Schemas. Lecture Notes in Computer Science, 2016, , 329-339.	1.0	1
226	Building representations of proto-objects with exploration of the effect on fixation times. , 2017, , .		1
227	Feature Ranking-Guided Fuzzy Rule Interpolation for Mammographic Mass Shape Classification. , 2018, , .		1
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