Richard Jensen

List of Publications by Year
in descending order

60 papers	4,541 citations	186209 28 h-index	289141 40 g-index
63 all docs	63 docs citations	63 times ranked	2271 citing authors

#	Article	IF	Citations
1	Feature selection based on rough sets and particle swarm optimization. Pattern Recognition Letters, 2007, 28, 459-471.	2.6	721
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	Attribute selection with fuzzy decision reducts. Information Sciences, 2010, 180, 209-224.	4.0	206
6	Selecting informative features with fuzzy-rough sets and its application for complex systems monitoring. Pattern Recognition, 2004, 37, 1351-1363.	5.1	203
7	Fuzzy-rough data reduction with ant colony optimization. Fuzzy Sets and Systems, 2005, 149, 5-20.	1.6	176
8	Feature selection for high dimensional imbalanced class data using harmony search. Engineering Applications of Artificial Intelligence, 2017, 57, 38-49.	4.3	121
9	Missing data imputation using fuzzy-rough methods. Neurocomputing, 2016, 205, 152-164.	3.5	116
10	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
11	Fuzzy-rough nearest neighbour classification and prediction. Theoretical Computer Science, 2011, 412, 5871-5884.	0.5	104
12	Rough set feature selection and rule induction for prediction of malignancy degree in brain glioma. Computer Methods and Programs in Biomedicine, 2006, 83, 147-156.	2.6	76
13	Unsupervised fuzzy-rough set-based dimensionality reduction. Information Sciences, 2013, 229, 106-121.	4.0	75
14	A New Approach to Fuzzy-Rough Nearest Neighbour Classification. Lecture Notes in Computer Science, 2008, , 310-319.	1.0	62
15	Rough sets, their extensions and applications. International Journal of Automation and Computing, 2007, 4, 217-228.	4.5	59
16	Feature Selection and Linear/Nonlinear Regression Methods for the Accurate Prediction of Glycogen Synthase Kinase-3β Inhibitory Activities. Journal of Chemical Information and Modeling, 2009, 49, 824-832.	2.5	58
17	Enriched ant colony optimization and its application in feature selection. Neurocomputing, 2014, 142, 354-371.	3.5	57
18	Finding rough and fuzzy-rough set reducts with SAT. Information Sciences, 2014, 255, 100-120.	4.0	56

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19	Ant colony optimization as a feature selection method in the QSAR modeling of anti-HIV-1 activities of 3-(3,5-dimethylbenzyl)uracil derivatives using MLR, PLS and SVM regressions. Chemometrics and Intelligent Laboratory Systems, 2009, 98, 123-129.	1.8	53
20	QSRR modeling for diverse drugs using different feature selection methods coupled with linear and nonlinear regressions. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 910, 84-94.	1.2	53
21	Towards scalable fuzzyâ€"rough feature selection. Information Sciences, 2015, 323, 1-15.	4.0	49
22	A Rough Set-Aided System for Sorting WWW Bookmarks. Lecture Notes in Computer Science, 2001, , 95-105.	1.0	49
23	Fuzzy-Rough Nearest Neighbour Classification. Lecture Notes in Computer Science, 2011, , 56-72.	1.0	45
24	Feature selection for high dimensional imbalanced class data using harmony search. Engineering Applications of Artificial Intelligence, 2017, 57, 38-49.	4.3	45
25	Are More Features Better? A Response to<i>Attributes Reduction Using Fuzzy Rough Sets</i>. IEEE Transactions on Fuzzy Systems, 2009, 17, 1456-1458.	6.5	43
26	Ordered Weighted Average Based Fuzzy Rough Sets. Lecture Notes in Computer Science, 2010, , 78-85.	1.0	41
27	Fuzzy-rough approaches for mammographic risk analysis. Intelligent Data Analysis, 2010, 14, 225-244.	0.4	37
28	Fuzzy-rough instance selection. , 2010, , .		36
29	Weighted bee colony algorithm for discrete optimization problems with application to feature selection. Engineering Applications of Artificial Intelligence, 2015, 44, 153-167.	4.3	34
30	Rough Set-Based Feature Selection. , 0, , 70-107.		33
31	Hybrid fuzzy-rough rule induction and feature selection. , 2009, , .		30
32	Feature Selection with Fuzzy Decision Reducts. , 2008, , 284-291.		30
33	Performing Feature Selection with ACO. Studies in Computational Intelligence, 2006, , 45-73.	0.7	24
34	A noise-tolerant approach to fuzzy-rough feature selection. , 2008, , .		22
35	Survey of Rough and Fuzzy Hybridization. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	21
36	Measures for unsupervised fuzzy-rough feature selection. International Journal of Hybrid Intelligent Systems, 2010, 7, 249-259.	0.9	20

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37	Tolerance-based and Fuzzy-Rough Feature Selection. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	19
38	Simultaneous feature and instance selection using fuzzy-rough bireducts. , 2013, , .		17
39	Fuzzy rough positive region based nearest neighbour classification. , 2012, , .		16
40	Fuzzy-Rough Set Bireducts for Data Reduction. IEEE Transactions on Fuzzy Systems, 2020, 28, 1840-1850.	6.5	13
41	Finding Rough Set Reducts with SAT. Lecture Notes in Computer Science, 2005, , 194-203.	1.0	12
42	Interval-valued fuzzy-rough feature selection in datasets with missing values. , 2009, , .		11
43	Fuzzy-rough set based semi-supervised learning. , 2011, , .		10
44	Distance Measure Assisted Rough Set Feature Selection. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	8
45	Webpage Classification with ACO-Enhanced Fuzzy-Rough Feature Selection. Lecture Notes in Computer Science, 2006, , 147-156.	1.0	7
46	Measures for Unsupervised Fuzzy-Rough Feature Selection. , 2009, , .		7
47	Feature grouping-based fuzzy-rough feature selection. , 2014, , .		7
48	Feature selection for aiding glass forensic evidence analysis. Intelligent Data Analysis, 2009, 13, 703-723.	0.4	6
49	Fuzzy-rough feature selection using flock of starlings optimisation. , 2015, , .		6
50	Finding fuzzy-rough reducts with fuzzy entropy. , 2008, , .		5
51	Quality, frequency and similarity based fuzzy nearest neighbor classification. , 2013, , .		4
52	Dataset condensation using OWA fuzzy-rough set-based nearest neighbor classifier. , 2016, , .		4
53	Approximation-based feature selection and application forÂalgae population estimation. Applied Intelligence, 2008, 28, 167-181.	3.3	3
54	Extending propositional satisfiability to determine minimal fuzzy-rough reducts. , 2010, , .		3

#	Article	IF	Citations
55	Heuristic search for fuzzy-rough bireducts and its use in classifier ensembles. , 2014, , .		2
56	Effective instance selection using the fuzzy-rough lower approximation. , 2019, , .		1
57	Fuzzy-Rough Data Mining. , 2014, , 1005-1012.		1
58	Data Reduction with Rough Sets. , 2009, , 556-560.		1
59	Fuzzy-Rough Data Mining. Lecture Notes in Computer Science, 2011, , 31-35.	1.0	0
60	Discovering fuzzy-rough reducts through Estimation of Distribution Algorithms. , 2015, , .		0