

Wei-Zhi Wu

List of Publications by Year in descending order

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111
papers

5,622
citations

101384

36
h-index

76769

74
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112
all docs

112
docs citations

112
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Granularity and Entropy of Intuitionistic Fuzzy Information and Their Applications. IEEE Transactions on Cybernetics, 2022, 52, 192-204.	6.2	43
2	Evidence theory based optimal scale selection for multi-scale ordered decision systems. International Journal of Machine Learning and Cybernetics, 2022, 13, 1115-1129.	2.3	10
3	Weak multi-label learning with missing labels via instance granular discrimination. Information Sciences, 2022, 594, 200-216.	4.0	11
4	Novel fuzzy \hat{I}^2 -covering rough set models and their applications. Information Sciences, 2022, 608, 286-312.	4.0	27
5	A ranking method with a preference relation based on the PROMETHEE method in incomplete multi-scale information systems. Information Sciences, 2022, 608, 1261-1282.	4.0	11
6	On Multicriteria Decision-Making Method Based on a Fuzzy Rough Set Model With Fuzzy α -Neighborhoods. IEEE Transactions on Fuzzy Systems, 2021, 29, 2491-2505.	6.5	83
7	Entropy based optimal scale combination selection for generalized multi-scale information tables. International Journal of Machine Learning and Cybernetics, 2021, 12, 1427-1437.	2.3	20
8	An investigation on Wu-Leung multi-scale information systems and multi-expert group decision-making. Expert Systems With Applications, 2021, 170, 114542.	4.4	30
9	A three-way decision methodology to multi-attribute decision-making in multi-scale decision information systems. Information Sciences, 2021, 568, 175-198.	4.0	46
10	Fuzzy rough discrimination and label weighting for multi-label feature selection. Neurocomputing, 2021, 465, 128-140.	3.5	16
11	Inclusion measure-based multi-granulation decision-theoretic rough sets in multi-scale intuitionistic fuzzy information tables. Information Sciences, 2020, 507, 421-448.	4.0	66
12	A comparison study of optimal scale combination selection in generalized multi-scale decision tables. International Journal of Machine Learning and Cybernetics, 2020, 11, 961-972.	2.3	38
13	Reduction foundation with multigranulation rough sets using discernibility. Artificial Intelligence Review, 2020, 53, 2425-2452.	9.7	13
14	Novel fuzzy rough set models and corresponding applications to multi-criteria decision-making. Fuzzy Sets and Systems, 2020, 383, 92-126.	1.6	95
15	Measures of uncertainty for knowledge bases. Knowledge and Information Systems, 2020, 62, 611-637.	2.1	9
16	Knowledge reduction methods of covering approximate spaces based on concept lattice. Knowledge-Based Systems, 2020, 191, 105269.	4.0	19
17	Intuitionistic Fuzzy Rough Set-Based Granular Structures and Attribute Subset Selection. IEEE Transactions on Fuzzy Systems, 2019, 27, 527-539.	6.5	104
18	Axiomatic characterizations of adjoint generalized (dual) concept systems. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3629-3638.	0.8	2

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19	Fuzzy information granular structures: A further investigation. <i>International Journal of Approximate Reasoning</i> , 2019, 114, 127-150.	1.9	15
20	Multiobjective interval linear programming in admissible-order vector space. <i>Information Sciences</i> , 2019, 486, 1-19.	4.0	14
21	Granulation selection and decision making with multigranulation rough set over two universes. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 2501-2513.	2.3	20
22	Using single axioms to characterize $(S, \hat{A}T)$ -intuitionistic fuzzy rough approximation operators. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 27-42.	2.3	23
23	Guest Editorial: Rough Sets and Data Mining. <i>CAAI Transactions on Intelligence Technology</i> , 2019, 4, 201-202.	3.4	2
24	A unified framework for characterizing rough sets with evidence theory in various approximation spaces. <i>Information Sciences</i> , 2018, 454-455, 144-160.	4.0	19
25	Maximal-Discernibility-Pair-Based Approach to Attribute Reduction in Fuzzy Rough Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 2174-2187.	6.5	170
26	Information structures and uncertainty measures in a fully fuzzy information system. <i>International Journal of Approximate Reasoning</i> , 2018, 101, 119-149.	1.9	66
27	A data reduction method in formal fuzzy contexts. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1145-1155.	2.3	33
28	On rule acquisition in incomplete multi-scale decision tables. <i>Information Sciences</i> , 2017, 378, 282-302.	4.0	111
29	Three-way concept learning based on cognitive operators: An information fusion viewpoint. <i>International Journal of Approximate Reasoning</i> , 2017, 83, 218-242.	1.9	83
30	On the belief structures and reductions of multigranulation spaces with decisions. <i>International Journal of Approximate Reasoning</i> , 2017, 88, 39-52.	1.9	23
31	Attribute reduction in inconsistent formal decision contexts based on congruence relations. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 81-94.	2.3	15
32	Optimal Scale Selections in Consistent Generalized Multi-scale Decision Tables. <i>Lecture Notes in Computer Science</i> , 2017, , 185-198.	1.0	5
33	Interpretations of Lower Approximations in Inclusion Degrees. <i>Lecture Notes in Computer Science</i> , 2016, , 297-306.	1.0	0
34	Granular reducts of formal fuzzy contexts. <i>Knowledge-Based Systems</i> , 2016, 114, 156-166.	4.0	33
35	Decision-theoretic rough set: A multicost strategy. <i>Knowledge-Based Systems</i> , 2016, 91, 71-83.	4.0	47
36	Axiomatic characterizations of (S, T) -fuzzy rough approximation operators. <i>Information Sciences</i> , 2016, 334-335, 17-43.	4.0	9

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37	Using One Axiom to Characterize Fuzzy Rough Approximation Operators Determined by a Fuzzy Implication Operator. <i>Fundamenta Informaticae</i> , 2015, 142, 87-104.	0.3	16
38	Information granules in multi-scale ordered information systems. , 2015, , .		2
39	Fuzzy-Rough Hybridization. , 2015, , 425-451.		9
40	Knowledge reduction in formal fuzzy contexts. <i>Knowledge-Based Systems</i> , 2015, 73, 265-275.	4.0	49
41	Rough Set Approximations in Multi-scale Interval Information Systems. <i>Lecture Notes in Computer Science</i> , 2015, , 73-81.	1.0	2
42	Knowledge Approximations in Multi-scale Ordered Information Systems. <i>Lecture Notes in Computer Science</i> , 2014, , 525-534.	1.0	1
43	Rule acquisition and complexity reduction in formal decision contexts. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 259-274.	1.9	67
44	On the Intuitionistic Fuzzy Topological Structures of Rough Intuitionistic Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2014, , 1-22.	1.0	1
45	Measurable Structures of \mathcal{I} -Fuzzy Rough Sets. <i>Lecture Notes in Computer Science</i> , 2014, , 92-99.	1.0	0
46	Intuitionistic Fuzzy Rough Approximation Operators Determined by Intuitionistic Fuzzy Triangular Norms. <i>Lecture Notes in Computer Science</i> , 2014, , 653-662.	1.0	1
47	On the Intuitionistic Fuzzy Topological Structures of Rough Intuitionistic Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2014, , 1-22.	1.0	1
48	On Fuzzy Topological Structures of Rough Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2013, , 125-143.	1.0	4
49	On knowledge acquisition in multi-scale decision systems. <i>International Journal of Machine Learning and Cybernetics</i> , 2013, 4, 477-486.	2.3	41
50	Multi-granulation rough sets in multi-scale information systems. , 2013, , .		2
51	Optimal scale selection for multi-scale decision tables. <i>International Journal of Approximate Reasoning</i> , 2013, 54, 1107-1129.	1.9	117
52	Generalized fuzzy rough approximation operators determined by fuzzy implicators. <i>International Journal of Approximate Reasoning</i> , 2013, 54, 1388-1409.	1.9	58
53	On Dual Intuitionistic Fuzzy Rough Approximation Operators Determined by an Intuitionistic Fuzzy Implicator. <i>Lecture Notes in Computer Science</i> , 2013, , 138-146.	1.0	2
54	Rough Set Approximations in Incomplete Multi-scale Information Systems. <i>Lecture Notes in Computer Science</i> , 2012, , 342-350.	1.0	0

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55	Knowledge Reduction in Random Incomplete Decision Tables via Evidence Theory. <i>Fundamenta Informaticae</i> , 2012, 115, 203-218.	0.3	16
56	Belief and plausibility reducts in incomplete information systems with fuzzy decision. , 2012, , .		1
57	Approximate reduction in inconsistent formal decision contexts. , 2012, , .		6
58	Intuitionistic Fuzzy Topologies in Crisp Approximation Spaces. <i>Lecture Notes in Computer Science</i> , 2012, , 496-503.	1.0	0
59	On Some Mathematical Structures of T-Fuzzy Rough Set Algebras in Infinite Universes of Discourse. <i>Fundamenta Informaticae</i> , 2011, 108, 337-369.	0.3	31
60	Attribute Reduction in Formal Contexts: A Covering Rough Set Approach. <i>Fundamenta Informaticae</i> , 2011, 111, 15-32.	0.3	20
61	On intuitionistic fuzzy topologies based on intuitionistic fuzzy reflexive and transitive relations. <i>Soft Computing</i> , 2011, 15, 1183-1194.	2.1	26
62	Dependence-space-based attribute reduction in consistent decision tables. <i>Soft Computing</i> , 2011, 15, 261-268.	2.1	14
63	Theory and applications of granular labelled partitions in multi-scale decision tables. <i>Information Sciences</i> , 2011, 181, 3878-3897.	4.0	209
64	Characterization of rough set approximations in Atanassov intuitionistic fuzzy set theory. <i>Computers and Mathematics With Applications</i> , 2011, 62, 282-296.	1.4	48
65	Rule acquisition in consistent multi-scale decision systems. , 2011, , .		2
66	Some Mathematical Structures of Generalized Rough Sets in Infinite Universes of Discourse. <i>Lecture Notes in Computer Science</i> , 2011, , 175-206.	1.0	10
67	Some Fuzzy Topologies Induced by Rough Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2011, , 156-165.	1.0	3
68	Knowledge Acquisition in Inconsistent Multi-scale Decision Systems. <i>Lecture Notes in Computer Science</i> , 2011, , 669-678.	1.0	6
69	Attribute Reduction in Random Information Systems with Fuzzy Decisions. <i>Lecture Notes in Computer Science</i> , 2011, , 223-230.	1.0	0
70	Approaches to attribute reduction in concept lattices induced by axialities. <i>Knowledge-Based Systems</i> , 2010, 23, 504-511.	4.0	92
71	On axiomatic characterizations of three pairs of covering based approximation operators. <i>Information Sciences</i> , 2010, 180, 274-287.	4.0	78
72	Knowledge Reduction in Random Incomplete Information Systems via Evidence Theory. <i>Lecture Notes in Computer Science</i> , 2010, , 38-45.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Knowledge Reduction of Incomplete Information Systems with Negative Decision Rules. , 2010, , .		0
74	Rough approximations of intuitionistic fuzzy sets in crisp approximation spaces. , 2010, , .		3
75	A comparative study of belief and plausibility reducís in information systems with fuzzy decisions. , 2010, , .		1
76	Intuitionistic Fuzzy Rough Sets Determined by Intuitionistic Fuzzy Implicators. , 2010, , .		3
77	On intuitionistic fuzzy rough set algebras. , 2010, , .		2
78	Granular Computing and Knowledge Reduction in Formal Contexts. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1461-1474.	4.0	272
79	Topological Spaces for Fuzzy Rough Sets Determined by Fuzzy Implication Operators. , 2009, , .		0
80	Similarity measures of fuzzy rough sets based on the $L<inf>P</inf>$ metric. , 2009, , .		0
81	On characterization of generalized interval-valued fuzzy rough sets on two universes of discourse. International Journal of Approximate Reasoning, 2009, 51, 56-70.	1.9	85
82	On characterization of intuitionistic fuzzy rough sets based on intuitionistic fuzzy implicators. Information Sciences, 2009, 179, 883-898.	4.0	102
83	On intuitionistic fuzzy rough sets and their topological structures. International Journal of General Systems, 2009, 38, 589-616.	1.2	39
84	Fuzzy rough sets determined by fuzzy implication operators. , 2009, , .		0
85	On Generalized Fuzzy Belief Functions in Infinite Spaces. IEEE Transactions on Fuzzy Systems, 2009, 17, 385-397.	6.5	43
86	Attribute reduction based on evidence theory in incomplete decision systems. Information Sciences, 2008, 178, 1355-1371.	4.0	178
87	A rough set approach for the discovery of classification rules in interval-valued information systems. International Journal of Approximate Reasoning, 2008, 47, 233-246.	1.9	181
88	Rough approximations based on random intuitionistic fuzzy sets. , 2008, , .		0
89	Topological structures of intuitionistic fuzzy rough sets. , 2008, , .		1
90	Operations of formal contexts and concept lattices. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
91	An Interpretation of Belief Functions on Infinite Universes in the Theory of Rough Sets. Lecture Notes in Computer Science, 2008, , 71-80.	1.0	2
92	Intuitionistic fuzzy classification and rough approximations. , 2008, , .		0
93	Rough Approximations of Intuitionistic Fuzzy Sets. , 2007, , .		2
94	Knowledge Reduction in Consistent Incomplete Decision Systems Based on Dempster-Shafer Theory of Evidence. , 2007, , .		0
95	Information Granules and Approximations in Incomplete Information Systems. , 2007, , .		1
96	Rough Set Approximations Based on Random Sets. , 2007, , .		6
97	A Classification Approach of Granules Based on Variable Precision Rough Sets. , 2007, , .		2
98	Rough Set Approximations Based on Random Sets. , 2007, , .		0
99	On Generalized Rough Fuzzy Approximation Operators. Lecture Notes in Computer Science, 2006, , 263-284.	1.0	37
100	Knowledge acquisition in incomplete information systems: A rough set approach. European Journal of Operational Research, 2006, 168, 164-180.	3.5	275
101	On characterizations of α -fuzzy rough approximation operators. Fuzzy Sets and Systems, 2005, 154, 76-102.	1.6	218
102	Knowledge reduction in random information systems via Dempster-Shafer theory of evidence. Information Sciences, 2005, 174, 143-164.	4.0	198
103	An uncertainty measure in partition-based fuzzy rough sets. International Journal of General Systems, 2005, 34, 77-90.	1.2	122
104	A Study on Relationship Between Fuzzy Rough Approximation Operators and Fuzzy Topological Spaces. Lecture Notes in Computer Science, 2005, , 167-174.	1.0	26
105	Constructive and axiomatic approaches of fuzzy approximation operators. Information Sciences, 2004, 159, 233-254.	4.0	425
106	Approaches to knowledge reductions in inconsistent systems. International Journal of Intelligent Systems, 2003, 18, 989-1000.	3.3	181
107	Generalized fuzzy rough sets. Information Sciences, 2003, 151, 263-282.	4.0	512
108	Knowledge acquisition in incomplete fuzzy information systems via the rough set approach. Expert Systems, 2003, 20, 280-286.	2.9	95

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109	Approaches to Approximation Reducts in Inconsistent Decision Tables. , 2003, , 283-286.		12
110	Connections between rough set theory and Dempster-Shafer theory of evidence. International Journal of General Systems, 2002, 31, 405-430.	1.2	124
111	Neighborhood operator systems and approximations. Information Sciences, 2002, 144, 201-217.	4.0	204