Jianming Zhan

List of Publications by Citations

173 papers	3,785 citations	34 h-index	55 g-index
179 ext. papers	4,576 ext. citations	4 avg, IF	6.9 L-index

#	Paper	IF	Citations
173	A survey of decision making methods based on certain hybrid soft set models. *Artificial Intelligence Review*, **2017**, 47, 507-530	9.7	152
172	On a novel uncertain soft set model: Z-soft fuzzy rough set model and corresponding decision making methods. *Applied Soft Computing Journal*, **2017**, 56, 446-457	7.5	150
171	A novel soft rough set: Soft rough hemirings and corresponding multicriteria group decision making. *Applied Soft Computing Journal*, **2017**, 54, 393-402	7.5	149
170	Covering based multigranulation(I,T)-fuzzy rough set models and applications in multi-attribute group decision-making. *Information Sciences*, **2019**, 476, 290-318	7.7	142
169	Covering-based generalized IF rough sets with applications to multi-attribute decision-making. *Information Sciences*, **2019**, 478, 275-302	7.7	111
168	A novel type of soft rough covering and its application to multicriteria group decision making. *Artificial Intelligence Review*, **2019**, 52, 2381-2410	9.7	106
167	A novel soft rough fuzzy set: Z-soft rough fuzzy ideals of hemirings and corresponding decision making. *Soft Computing*, **2017**, 21, 1923-1936	3.5	102
166	A survey of decision making methods based on two classes of hybrid soft set models. *Artificial Intelligence Review*, **2018**, 49, 511-529	9.7	97
165	A new rough set theory: rough soft hemirings. *Journal of Intelligent and Fuzzy Systems*, **2015**, 28, 1687-1697	1.9	95
164	Soft BL-algebras based on fuzzy sets. *Computers and Mathematics With Applications*, **2010**, 59, 2037-2046	2.7	95
163	Covering-Based Variable Precision $(\mathcal{I},\mathcal{T})$-Fuzzy Rough Sets With Applications to Multiattribute Decision-Making. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1558-1572	8.3	92
162	Soft . *Computers and Mathematics With Applications*, **2009**, 58, 2060-2068	2.7	88
161	A survey of parameter reduction of soft sets and corresponding algorithms. *Artificial Intelligence Review*, **2019**, 52, 1839-1872	9.7	77
160	Fuzzy covering based (I,T)-fuzzy rough set models and applications to multi-attribute decision-making. *Computers and Industrial Engineering*, **2019**, 128, 605-621	6.4	76
159	Two types of coverings based multigranulation rough fuzzy sets and applications to decision making. *Artificial Intelligence Review*, **2020**, 53, 167-198	9.7	72
158	Three-way multi-attribute decision-making based on outranking relations. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	70
157	Fuzzy soft (beta)-covering based fuzzy rough sets and corresponding decision-making applications. *International Journal of Machine Learning and Cybernetics*, **2019**, 10, 1487-1502	3.8	70

138	APPLICATIONS OF NEUTROSOPHIC CUBIC SETS IN MULTI-CRITERIA DECISION-MAKING **2017**, 7, 377-394		32
137	Covering based multigranulation fuzzy rough sets and corresponding applications. *Artificial Intelligence Review*, **2020**, 53, 1093-1126	9.7	32
136	Novel decision-making method based on bipolar neutrosophic information. *Soft Computing*, **2019**, 23, 9955-9977	3.5	31
135	Covering-based intuitionistic fuzzy rough sets and applications in multi-attribute decision-making. *Artificial Intelligence Review*, **2020**, 53, 671-701	9.7	31
134	An MADM approach to covering-based variable precision fuzzy rough sets: an application to medical diagnosis. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 2181-2207	3.8	29
133	Generalized fuzzy h-bi-ideals and h-quasi-ideals of hemirings. *Information Sciences*, **2009**, 179, 1249-1268	7.7	27
132	Fuzzy parameterized fuzzy soft sets and decision making. *International Journal of Machine Learning and Cybernetics*, **2016**, 7, 1207-1212	3.8	25
131	Onf-derivations of BCI-algebras. *International Journal of Mathematics and Mathematical Sciences*, **2005**, 2005, 1675-1684	0.8	25
130	A novel three-way decision model based on utility theory in incomplete fuzzy decision systems. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	25
129	Characterizations of two kinds of hemirings based on probability spaces. *Soft Computing*, **2016**, 20, 637-648	3.5	24
128	Three-way multi-attribute decision making under hesitant fuzzy environments. *Information Sciences*, **2021**, 552, 328-351	7.7	23
127	Generalized fuzzy hyperideals of hyperrings. *Computers and Mathematics With Applications*, **2008**, 56, 1732-1740	2.7	22
126	On (?, ? ? q)-fuzzy filters of R0-algebras. *Mathematical Logic Quarterly*, **2009**, 55, 493-508	0.3	21
125	A New View on Fuzzy Hypermodules. *Acta Mathematica Sinica, English Series*, **2007**, 23, 1345-1356	0.6	21
124	Some kinds of . *Computers and Mathematics With Applications*, **2011**, 61, 1005-1015	2.7	19
123	Generalized fuzzy Hv-submodules endowed with interval valued membership functions. *Information Sciences*, **2008**, 178, 3147-3159	7.7	19
122	Applications of soft union sets to hemirings via SU-h-ideals. *Journal of Intelligent and Fuzzy Systems*, **2014**, 26, 1363-1370	1.6	18
121	On probabilistic n-ary hypergroups. *Information Sciences*, **2010**, 180, 1159-1166	7.7	18

120	On Fuzzy h-Ideals of Hemirings. *Journal of Systems Science and Complexity*, **2007**, 20, 470-478	1	18
119	A kind of new rough set: Rough soft sets and rough soft rings. *Journal of Intelligent and Fuzzy Systems*, **2015**, 30, 475-483	1.6	17
118	Some kinds of (?⃞,?⃞?⃞q⃞)-fuzzy filters of BL-algebras. *Computers and Mathematics With Applications*, **2009**, 58, 248-256	2.7	17
117	Some types of generalized fuzzy filters of . *Computers and Mathematics With Applications*, **2008**, 56, 1604-1616	2.7	17
116	Three-way decisions based multi-attribute decision making with probabilistic dominance relations. *Information Sciences*, **2021**, 559, 75-96	7.7	17
115	Fuzzy isomorphism theorems of soft rings. *Neural Computing and Applications*, **2012**, 21, 391-397	4.8	16
114	Characterizations of h-intra- and h-quasi-hemiregular hemirings. *Computers and Mathematics With Applications*, **2012**, 63, 783-793	2.7	16
113	Another approach to rough soft hemirings and corresponding decision making. *Soft Computing*, **2017**, 21, 3769-3780	3.5	15
112	Complex fuzzy sets with applications in signals. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	15
111	On fuzzy isomorphism theorems of hypermodules. *Soft Computing*, **2007**, 11, 1053-1057	3.5	15
110	Generalized fuzzy filters of BL-algebras. *Applied Mathematics*, **2007**, 22, 490-496	0.7	15
109	On properties of fuzzy hyperideals in hypernear-rings with t-Norms. *Journal of Applied Mathematics and Computing*, **2006**, 20, 255-277	1.8	15
108	Dual Extended Hesitant Fuzzy Sets. *Symmetry*, **2019**, 11, 714	2.7	14
107	Interval valued ((in,in!vee,q)) -fuzzy filters of pseudo BL-algebras. *Soft Computing*, **2009**, 13, 13-21	3.5	14
106	New types of fuzzy filters of BL-algebras. *Computers and Mathematics With Applications*, **2010**, 60, 2115-2125	2.7	14
105	On derivations and their fixed point sets in residuated lattices. *Fuzzy Sets and Systems*, **2016**, 303, 97-113	3.7	13
104	Fuzzy roughness of n-ary hypergroups based on a complete residuated lattice. *Neural Computing and Applications*, **2011**, 20, 41-57	4.8	13
103	The L-fuzzy hypermodules. *Computers and Mathematics With Applications*, **2010**, 59, 953-963	2.7	13

102	Fuzzy . *Computers and Mathematics With Applications*, **2010**, 59, 2846-2853	2.7	13
101	On ((in, in vee q))-Fuzzy Filters of BL-Algebras. *Journal of Systems Science and Complexity*, **2008**, 21, 144-158		13
100	Notes on roughness in rings. *Information Sciences*, **2016**, 346-347, 488-490	7.7	12
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98	Characterizations of three kinds of hemirings by fuzzy soft h-ideals. *Journal of Intelligent and Fuzzy Systems*, **2013**, 24, 535-548	1.6	12
97	Isomorphism Theorems for Soft Rings. *Algebra Colloquium*, **2012**, 19, 649-656	0.2	12
96	An investigation on Wu-Leung multi-scale information systems and multi-expert group decision-making. *Expert Systems With Applications*, **2021**, 170, 114542	7.8	12
95	A three-way decision methodology to multi-attribute decision-making in multi-scale decision information systems. *Information Sciences*, **2021**, 568, 175-198	7.7	12
94	A new classification and ranking decision method based on three-way decision theory and TOPSIS models. *Information Sciences*, **2021**, 568, 54-85	7.7	12
93	Multi-granular soft rough covering sets. *Soft Computing*, **2020**, 24, 9391-9402	3.5	11
92	Vague soft hemirings. *Computers and Mathematics With Applications*, **2011**, 62, 199-213	2.7	11
91	Multi-granulation hesitant fuzzy rough sets and corresponding applications. *Soft Computing*, **2019**, 23, 13085-13103	3.5	10
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89	A three-way decision approach with probabilistic dominance relations under intuitionistic fuzzy information. *Information Sciences*, **2022**, 582, 114-145	7.7	10
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79	Notes on redefined fuzzy implicative filters of lattice implication algebras. *Information Sciences*, **2009**, 179, 3182-3186	7.7	8
78	On properties of fuzzy lefth-ideals in hemirings witht-norms. *International Journal of Mathematics and Mathematical Sciences*, **2005**, 2005, 3127-3144	0.8	8
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73	Applications of a new soft set to h-hemiregular hemirings via (M,N)-SI-h-ideals. *Journal of Intelligent and Fuzzy Systems*, **2014**, 26, 2515-2525	1.6	7
72	On ((overline{in},overline{in} vee overline{q}))-fuzzy ideals of BCI-algebras. *Neural Computing and Applications*, **2011**, 20, 319-328	4.8	7
71	Fuzzy h-ideals in h-hemiregular and h-semisimple (Upgamma)-hemirings. *Neural Computing and Applications*, **2010**, 19, 477-485	4.8	7
70	Generalized fuzzy filters of R 0-algebras. *Soft Computing*, **2007**, 11, 1079-1087	3.5	7
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67	TWD-R: A three-way decision approach based on regret theory in multi-scale decision information systems. *Information Sciences*, **2021**, 581, 711-739	7.7	6

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65	L-fuzzifying approximation operators derived from general L-fuzzifying neighborhood systems. *International Journal of Machine Learning and Cybernetics*, **2021**, 12, 1343-1367	3.8	6
64	A novel three-way decision approach under hesitant fuzzy information. *Information Sciences*, **2021**, 578, 482-506	7.7	6
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54	Applications of Soft Union Sets in (h)-Hemiregular and (h)-(Intra)-hemiregular Hemirings. *Bulletin of the Malaysian Mathematical Sciences Society*, **2015**, 38, 805-825	1.2	4
53	Rough soft hyperrings and corresponding decision making. *Journal of Intelligent and Fuzzy Systems*, **2017**, 33, 1479-1489	1.6	4
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50	Generalized fuzzy interior ideals of semigroups. *Neural Computing and Applications*, **2010**, 19, 515-519	4.8	4
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47	A three-way decision method with pre-order relations. *Information Sciences*, **2022**, 595, 231-256	7.7	4
46	Incomplete three-way multi-attribute group decision making based on adjustable multigranulation Pythagorean fuzzy probabilistic rough sets. *International Journal of Approximate Reasoning*, **2022**, 147, 40-59	3.6	4
45	Generalized fuzzy n-ary subhypergroups of a commutative n-ary hypergroup. *Mathematica Slovaca*, **2012**, 62,	0.7	3
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42	Falling fuzzy ideals of hemirings. *Journal of Intelligent and Fuzzy Systems*, **2013**, 25, 1037-1042	1.6	3
41	On characterizations of generalized fuzzy ideals of BCI-algebras. *International Journal of Computer Mathematics*, **2009**, 86, 1989-2007	1.2	3
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39	A three-way decision approach with risk strategies in hesitant fuzzy decision information systems. *Information Sciences*, **2022**, 588, 293-314	7.7	3
38	Measures of Uncertainty Based on Gaussian Kernel for Type-2 Fuzzy Information Systems. *International Journal of Fuzzy Systems*, **2021**, 23, 1163-1178	3.6	3
37	A regret theory-based three-way decision approach with three strategies. *Information Sciences*, **2022**, 595, 89-118	7.7	3
36	Characterizations of hemiregular hemirings via a kind of new soft union sets. *Journal of Intelligent and Fuzzy Systems*, **2014**, 27, 2883-2895	1.6	2
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33	On Generalized Fuzzy R-Subgroups of Near-Rings **2009**,		2
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27	Applications of rough soft sets to Krasner (m,n)-hyperrings and corresponding decision making methods. *Filomat*, **2018**, 32, 6599-6614	0.7	2
26	Soft linear programming: An application of soft vector spaces. *Journal of Information and Optimization Sciences*, **2020**, 41, 679-704	1.1	2
25	Regret-Theoretic Multiattribute Decision-Making Model Using Three-Way Framework in Multiscale Information Systems. *IEEE Transactions on Cybernetics*, **2022**, 1-14	10.2	2
24	Applications of rough soft sets to BL-algebras and corresponding decision making methods. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 645-658	1.6	1
23	A study on soft Z-congruence relations over hemirings. *Journal of Intelligent and Fuzzy Systems*, **2015**, 30, 467-474	1.6	1
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20	Characterizations of Semihyperrings by Their (?,?,q]-Fuzzy Hyperideals. *Journal of Applied Mathematics*, **2013**, 2013, 1-13	1.1	1
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18	On fuzzy h-ideals in (Upgamma)-hemirings. *Neural Computing and Applications*, **2011**, 20, 495-505	4.8	1
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16	Applications of soft intersection sets to hemirings via SI-h-bi-ideals and SI-h-quasi-ideals. *Filomat*, **2016**, 30, 2295-2313	0.7	1
15	A novel three-way decision approach in decision information systems. *Information Sciences*, **2022**, 584, 1-30	7.7	1
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13	An error correction prediction model based on three-way decision and ensemble learning. *International Journal of Approximate Reasoning*, **2022**, 146, 21-46	3.6	1

LIST OF PUBLICATIONS

12	A three-way multi-attribute decision making method based on regret theory and its application to medical data in fuzzy environments. *Applied Soft Computing Journal*, **2022**, 123, 108975	7.5	1
11	On (M,N)-S I(implicative) filters inR0-algebras. *International Journal of Computational Intelligence Systems*, **2014**, 7, 1064-1073	3.4	
10	A new extended soft intersection set to (M, N)-SI implicative fitters of BL-algebras. *Scientific World Journal, The*, **2014**, 2014, 517039	2.2	
9	On fuzzy congruences and fuzzy strong h-ideals of hemirings. *Scientific World Journal, The*, **2014**, 2014, 975474	2.2	
8	IFP-Intuitionistic Fuzzy Softh-Ideals of Hemirings and Its Decision Making. *Journal of Applied Mathematics*, **2014**, 2014, 1-9	1.1	
7	(Fuzzy) Isomorphism Theorems of Soft ΓHyperrings. *Analele Stiintifice Ale Universitatii Al I Cuza Din Iasi - Matematica*, **2014**, 60, 279-292		
6	A new view of fuzzy ideals in (Upgamma)-rings. *Neural Computing and Applications*, **2012**, 21, 921-927	4.8	
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2	Some Characterizations of Regular and Semisimple ΓRings. *Kyungpook Mathematical Journal*, **2010**, 50, 411-417		
1	Soft Hemirings Related to Fuzzy Set Theory. *Kyungpook Mathematical Journal*, **2012**, 52, 61-79		