

Xiaohong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

1,407
citations

21
h-index

34
g-index

106
ext. papers

1,659
ext. citations

3
avg. IF

5.87
L-index

#	Paper	IF	Citations
99	A general frame for intuitionistic fuzzy rough sets. <i>Information Sciences</i> , 2012 , 216, 34-49	7.7	102
98	Constructive methods of rough approximation operators and multigranulation rough sets. <i>Knowledge-Based Systems</i> , 2016 , 91, 114-125	7.3	93
97	On the union and intersection operations of rough sets based on various approximation spaces. <i>Information Sciences</i> , 2015 , 292, 214-229	7.7	88
96	New inclusion relation of neutrosophic sets with applications and related lattice structure. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 1753-1763	3.8	61
95	Uncertainty measurement for incomplete interval-valued information systems based on \mathbb{E} -weak similarity. <i>Knowledge-Based Systems</i> , 2017 , 136, 159-171	7.3	58
94	Fuzzy anti-grouped filters and fuzzy normal filters in pseudo-BCI algebras. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 1767-1774	1.6	52
93	A Novel Picture Fuzzy Linguistic Aggregation Operator and Its Application to Group Decision-making. <i>Cognitive Computation</i> , 2018 , 10, 242-259	4.4	51
92	New Operations of Totally Dependent-Neutrosophic Sets and Totally Dependent-Neutrosophic Soft Sets. <i>Symmetry</i> , 2018 , 10, 187	2.7	47
91	Approach to Multi-Attributes Decision Making With Intuitionistic Linguistic Information Based on Dempster-Shafer Evidence Theory. <i>IEEE Access</i> , 2018 , 6, 52969-52981	3.5	47
90	Neutrosophic Duplet Semi-Group and Cancellable Neutrosophic Triplet Groups. <i>Symmetry</i> , 2017 , 9, 275	2.7	45
89	Soft set theoretical approach to pseudo-BCI algebras. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 559-568	1.6	45
88	PF-TOPSIS method based on CPFERS models: An application to unconventional emergency events. <i>Computers and Industrial Engineering</i> , 2020 , 139, 106192	6.4	37
87	Covering based multigranulation fuzzy rough sets and corresponding applications. <i>Artificial Intelligence Review</i> , 2020 , 53, 1093-1126	9.7	32
86	Some Maclaurin Symmetric Mean Operators for Single-Valued Trapezoidal Neutrosophic Numbers and Their Applications to Group Decision Making. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 45-61	3.6	28
85	A new hesitant fuzzy linguistic approach for multiple attribute decision making based on Dempster-Shafer evidence theory. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105897	7.5	28
84	Q-Filters of Quantum B-Algebras and Basic Implication Algebras. <i>Symmetry</i> , 2018 , 10, 573	2.7	26
83	New Operations of Picture Fuzzy Relations and Fuzzy Comprehensive Evaluation. <i>Symmetry</i> , 2017 , 9, 268	2.7	23

82	On Neutrosophic Triplet Groups: Basic Properties, NT-Subgroups, and Some Notes. <i>Symmetry</i> , 2018 , 10, 289	2.7	23
81	A Multicriteria Decision-Making Approach with Linguistic D Numbers Based on the Choquet Integral. <i>Cognitive Computation</i> , 2019 , 11, 560-575	4.4	22
80	Rough implication operator based on strong topological rough algebras. <i>Information Sciences</i> , 2010 , 180, 3764-3780	7.7	22
79	Singular neutrosophic extended triplet groups and generalized groups. <i>Cognitive Systems Research</i> , 2019 , 57, 32-40	4.8	22
78	Generalized Neutrosophic Extended Triplet Group. <i>Symmetry</i> , 2019 , 11, 327	2.7	21
77	A consensus model for hesitant fuzzy linguistic group decision-making in the framework of Dempster-Shafer evidence theory. <i>Knowledge-Based Systems</i> , 2021 , 212, 106559	7.3	20
76	The Decomposition Theorems of AG-Neutrosophic Extended Triplet Loops and Strong AG-(l, l)-Loops. <i>Mathematics</i> , 2019 , 7, 268	2.3	19
75	On ideals and congruences in bcc-algebras. <i>Czechoslovak Mathematical Journal</i> , 1998 , 48, 21-29		19
74	Single-Valued Neutrosophic Hesitant Fuzzy Choquet Aggregation Operators for Multi-Attribute Decision Making. <i>Symmetry</i> , 2018 , 10, 50	2.7	15
73	Probabilistic Single-Valued (Interval) Neutrosophic Hesitant Fuzzy Set and Its Application in Multi-Attribute Decision Making. <i>Symmetry</i> , 2018 , 10, 419	2.7	15
72	An Extended VIKOR Method for Multiple Attribute Decision Making with Linguistic D Numbers Based on Fuzzy Entropy. <i>International Journal of Information Technology and Decision Making</i> , 2020 , 19, 143-167	2.8	14
71	On neutrosophic extended triplet groups (loops) and Abel-Grassmann groupoids (AG-groupoids). <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 5743-5753	1.6	13
70	Fuzzy \mathcal{E} -covering approximation spaces. <i>International Journal of Approximate Reasoning</i> , 2020 , 126, 27-47	3.6	13
69	NEUTROSOPHIC FILTERS IN PSEUDO-BCI ALGEBRAS 2018 , 8, 511-526		13
68	Matrix approaches for some issues about minimal and maximal descriptions in covering-based rough sets. <i>International Journal of Approximate Reasoning</i> , 2019 , 104, 126-143	3.6	13
67	Catoptrical rough set model on two universes using granule-based definition and its variable precision extensions. <i>Information Sciences</i> , 2017 , 390, 70-81	7.7	12
66	Left (Right)-Quasi Neutrosophic Triplet Loops (Groups) and Generalized BE-Algebras. <i>Symmetry</i> , 2018 , 10, 241	2.7	12
65	Ideals and atoms of BZ-algebras. <i>Mathematica Slovaca</i> , 2009 , 59,	0.7	12

64	Two Types of Intuitionistic Fuzzy Covering Rough Sets and an Application to Multiple Criteria Group Decision Making. <i>Symmetry</i> , 2018 , 10, 462	2.7	12
63	On Interval Soft Sets with Applications. <i>International Journal of Computational Intelligence Systems</i> , 2014 , 7, 186-196	3.4	11
62	Generalized Interval Neutrosophic Choquet Aggregation Operators and Their Applications. <i>Symmetry</i> , 2018 , 10, 85	2.7	10
61	Two Types of Single Valued Neutrosophic Covering Rough Sets and an Application to Decision Making. <i>Symmetry</i> , 2018 , 10, 710	2.7	10
60	Multi-Attribute Decision Making Based on Probabilistic Neutrosophic Hesitant Fuzzy Choquet Aggregation Operators. <i>Symmetry</i> , 2019 , 11, 623	2.7	9
59	BCC-algebras and residuated partially-ordered groupoid. <i>Mathematica Slovaca</i> , 2013 , 63,	0.7	9
58	Additive s-functional inequality and hom-derivations in Banach algebras. <i>Journal of Fixed Point Theory and Applications</i> , 2019 , 21, 1	1.4	9
57	Some intuitionistic uncertain linguistic Bonferroni mean operators and their application to group decision making. <i>Soft Computing</i> , 2019 , 23, 3869-3886	3.5	9
56	Multi-Granulation Neutrosophic Rough Sets on a Single Domain and Dual Domains with Applications. <i>Symmetry</i> , 2018 , 10, 296	2.7	9
55	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	8
54	Lattice-valued interval soft sets \mathbb{A} general frame of many soft set models. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 26, 1311-1321	1.6	7
53	Multi-granulation rough filters and rough fuzzy filters in Pseudo-BCI algebras. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 4377-4386	1.6	7
52	A novel approach to multi-criteria group decision-making problems based on linguistic D numbers. <i>Computational and Applied Mathematics</i> , 2020 , 39, 1	2.4	6
51	Measures of Probabilistic Neutrosophic Hesitant Fuzzy Sets and the Application in Reducing Unnecessary Evaluation Processes. <i>Mathematics</i> , 2019 , 7, 649	2.3	6
50	Neutrosophic Extended Triplet Group Based on Neutrosophic Quadruple Numbers. <i>Symmetry</i> , 2019 , 11, 696	2.7	5
49	Neutrosophic Hesitant Fuzzy Subalgebras and Filters in Pseudo-BCI Algebras. <i>Symmetry</i> , 2018 , 10, 174	2.7	5
48	Fuzzy 1-type and 2-type positive implicative filters of pseudo-BCK algebras1. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 2309-2317	1.6	5
47	On Cyclic Associative Semihypergroups and Neutrosophic Extended Triplet Cyclic Associative Semihypergroups. <i>Mathematics</i> , 2022 , 10, 535	2.3	5

46	Commutative Generalized Neutrosophic Ideals in BCK-Algebras. <i>Symmetry</i> , 2018 , 10, 350	2.7	5
45	New Similarity Measures of Single-Valued Neutrosophic Multisets Based on the Decomposition Theorem and Its Application in Medical Diagnosis. <i>Symmetry</i> , 2018 , 10, 466	2.7	5
44	Linguistic quantifiers modeled by interval-valued intuitionistic Sugeno integrals1. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 583-592	1.6	4
43	On Neutrosophic Extended Triplet LA-hypergroups and Strong Pure LA-semihypergroups. <i>Symmetry</i> , 2020 , 12, 163	2.7	4
42	T-type Pseudo-BCI Algebras and T-type Pseudo-BCI Filters 2010 ,		4
41	A Class of BCI-Algebra and Quasi-Hyper BCI-Algebra. <i>Axioms</i> , 2022 , 11, 72	1.6	4
40	Intuitionistic Fuzzy (IF) Overlap Functions and IF-Rough Sets with Applications. <i>Symmetry</i> , 2021 , 13, 1494	2.7	4
39	QM-BZ-Algebras and Quasi-Hyper BZ-Algebras. <i>Axioms</i> , 2022 , 11, 93	1.6	4
38	Regular CA-Groupoids and Cyclic Associative Neutrosophic Extended Triplet Groupoids (CA-NET-Groupoids) with Green Relations. <i>Mathematics</i> , 2020 , 8, 204	2.3	3
37	On weak-BCC-algebras. <i>Scientific World Journal, The</i> , 2013 , 2013, 935097	2.2	3
36	Commutative Weak t-Norm and Non-associative Residuated Lattices 2009 ,		3
35	Generalized Abel-Grassmann \bar{N} Neutrosophic Extended Triplet Loop. <i>Mathematics</i> , 2019 , 7, 1206	2.3	3
34	Symmetry in Hyperstructure: Neutrosophic Extended Triplet Semihypergroups and Regular Hypergroups. <i>Symmetry</i> , 2019 , 11, 1217	2.7	3
33	New Multigranulation Neutrosophic Rough Set with Applications. <i>Symmetry</i> , 2018 , 10, 578	2.7	3
32	Four Operators of Rough Sets Generalized to Matroids and a Matroidal Method for Attribute Reduction. <i>Symmetry</i> , 2018 , 10, 418	2.7	3
31	On Homomorphism Theorem for Perfect Neutrosophic Extended Triplet Groups. <i>Information (Switzerland)</i> , 2018 , 9, 237	2.6	3
30	Generalized state operators on BCI-algebras. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 2591-2602	2.6	2
29	Involution Abel \bar{G} Grassmann \bar{N} Groups and Filter Theory of Abel \bar{G} Grassmann \bar{N} Groups. <i>Symmetry</i> , 2019 , 11, 553	2.7	2

28	Some Results on Various Cancellative CA-Groupoids and Variant CA-Groupoids. <i>Symmetry</i> , 2020 , 12, 315-2.7	2
27	Neutrosophic Triangular Norms and Their Derived Residuated Lattices. <i>Symmetry</i> , 2019 , 11, 817	2.7 2
26	Non-Dual Multi-Granulation Neutrosophic Rough Set with Applications. <i>Symmetry</i> , 2019 , 11, 910	2.7 2
25	On Two Conjectures of Abel Grassmann Groupoids. <i>Symmetry</i> , 2019 , 11, 816	2.7 2
24	A New Type of Single Valued Neutrosophic Covering Rough Set Model. <i>Symmetry</i> , 2019 , 11, 1074	2.7 2
23	Strong NMV-algebras, commutative basic algebras and naBL-algebras. <i>Mathematica Slovaca</i> , 2013 , 63,	0.7 2
22	On some fuzzy filters in pseudo-BCI algebras. <i>Scientific World Journal, The</i> , 2014 , 2014, 718972	2.2 2
21	2014 ,	2
20	First-order logic system $\mathbf{IMTL}_{\{Q\}^{\{*\}}}$ and triple I method in fuzzy reasoning with linguistic quantifiers. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 26, 2359-2367	1.6 2
19	Pseudo-BCK part and anti-grouped part of pseudo-BCI algebras 2010 ,	2
18	Filters in Strong BI-Algebras and Residuated Pseudo-SBI-Algebras. <i>Mathematics</i> , 2020 , 8, 1513	2.3 2
17	The lattice generated by hesitant fuzzy filters in pseudo-BCI algebras. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 3333-3345	1.6 2
16	The Structure Theorems of Pseudo-BCI Algebras in Which Every Element is Quasi-Maximal. <i>Symmetry</i> , 2018 , 10, 465	2.7 2
15	Sugeno Integral of Set-Valued Functions with Respect to Multi-submeasures and Its Application in MADM. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 2534-2544	3.6 2
14	Overlap Functions Based (Multi-Granulation) Fuzzy Rough Sets and Their Applications in MCDM. <i>Symmetry</i> , 2021 , 13, 1779	2.7 2
13	Left (Right) Regular and Transposition Regular Semigroups and Their Structures. <i>Mathematics</i> , 2022 , 10, 1021	2.3 2
12	T-Rough Approximation Pairs and Covering Based Rough Sets. <i>Fundamenta Informaticae</i> , 2015 , 142, 195-212	1
11	Grained matrix and complementary matrix: Novel methods for computing information descriptions in covering approximation spaces. <i>Information Sciences</i> , 2022 , 591, 68-87	7.7 1

10	Two Open Problems on CA-Groupoids and Cancellativities of T2CA-Groupoids. <i>Axioms</i> , 2022 , 11, 169	1.6	1
9	Matrix approach for fuzzy description reduction and group decision-making with fuzzy covering. <i>Information Sciences</i> , 2022 , 597, 53-85	7.7	1
8	A Kind of Variation Symmetry: Tarski Associative Groupoids (TA-Groupoids) and Tarski Associative Neutrosophic Extended Triplet Groupoids (TA-NET-Groupoids). <i>Symmetry</i> , 2020 , 12, 714	2.7	0
7	Q-residuated lattices and lattice pseudoeffect algebras. <i>Soft Computing</i> , 1	3.5	0
6	Transposition Regular AG-Groupoids and Their Decomposition Theorems. <i>Mathematics</i> , 2022 , 10, 1396	2.3	0
5	Interval-Valued Pseudo Overlap Functions and Application. <i>Axioms</i> , 2022 , 11, 216	1.6	0
4	Study on the Algebraic Structure of Refined Neutrosophic Numbers. <i>Symmetry</i> , 2019 , 11, 954	2.7	
3	Generalized Shapley probability neutrosophic hesitant fuzzy Choquet aggregation operators and their applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 3343-3357	1.6	
2	The Structure of Idempotents in Neutrosophic Rings and Neutrosophic Quadruple Rings. <i>Symmetry</i> , 2019 , 11, 1254	2.7	
1	Sets of solution-set-invariant coefficient matrices of fuzzy relation equations with \max -min composition. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 4067-4078	1.6	