

# Bao Qing Hu

## List of Publications by Year in descending order

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95  
papers

2,883  
citations

126708

33  
h-index

189595

50  
g-index

96  
all docs

96  
docs citations

96  
times ranked

812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing overlap and grouping functions on complete lattices by means of complete homomorphisms. Fuzzy Sets and Systems, 2022, 427, 71-95.	1.6	15
2	Nullnorms on bounded lattices constructed by means of closure and interior operators. Fuzzy Sets and Systems, 2022, 439, 142-156.	1.6	4
3	The Idempotency of Convolution Operations on Fuzzy Truth Values. IEEE Transactions on Fuzzy Systems, 2022, 30, 990-998.	6.5	2
4	A novel method to attribute reduction based on weighted neighborhood probabilistic rough sets. International Journal of Approximate Reasoning, 2022, 144, 1-17.	1.9	23
5	On (O,G)-fuzzy rough sets based on overlap and grouping functions over complete lattices. International Journal of Approximate Reasoning, 2022, 144, 18-50.	1.9	15
6	Pre-(quasi)-overlap functions on bounded posets. Fuzzy Sets and Systems, 2022, 451, 157-175.	1.6	1
7	On interval-valued pre-(quasi)-overlap functions. Information Sciences, 2022, 606, 945-967.	4.0	7
8	On interval $\langle \mathbb{R} \rangle$ and $\langle \mathbb{O} \rangle$ - and $\langle \mathbb{M} \rangle$ -		

#	ARTICLE	IF	CITATIONS
19	Note on "On the extension of nullnorms and uninorms to fuzzy truth values"[Fuzzy Sets Syst. 352 (2018) 92-118]. Fuzzy Sets and Systems, 2020, 395, 178-196.	1.6	5
20	Addendum to "On the migrativity of uninorms and nullnorms over overlap and grouping functions"[Fuzzy Sets Syst. 346 (2018) 1-54]. Fuzzy Sets and Systems, 2020, 386, 48-59.	1.6	1
21	On relationship between three-way concept lattices. Information Sciences, 2020, 538, 396-414.	4.0	16
22	Optimal scale selection and attribute reduction in multi-scale decision tables based on three-way decision. Information Sciences, 2020, 541, 36-59.	4.0	42
23	General L-fuzzy aggregation functions based on complete residuated lattices. Soft Computing, 2020, 24, 3087-3112.	2.1	2
24	Fuzzy neighborhood operators and derived fuzzy coverings. Fuzzy Sets and Systems, 2019, 370, 1-33.	1.6	70
25	Some results on the degree of symmetry of fuzzy relations. Fuzzy Sets and Systems, 2019, 360, 1-32.	1.6	1
26	On homogeneous, quasi-homogeneous and pseudo-homogeneous overlap and grouping functions. Fuzzy Sets and Systems, 2019, 357, 58-90.	1.6	36
27	Distributivity and conditional distributivity for S-uninorms. Fuzzy Sets and Systems, 2019, 372, 1-33.	1.6	9
28	New constructions of uninorms on bounded lattices. International Journal of Approximate Reasoning, 2019, 110, 185-209.	1.9	26
29	Three-way Decisions with Rough Membership Functions in Covering Approximation Space. Fundamenta Informaticae, 2019, 165, 157-191.	0.3	8
30	Semi-t-operators on bounded lattices. Information Sciences, 2019, 490, 191-209.	4.0	15
31	On generalized migrativity property for overlap functions. Fuzzy Sets and Systems, 2019, 357, 91-116.	1.6	45
32	Granular fuzzy rough sets based on fuzzy implicators and coimplicators. Fuzzy Sets and Systems, 2019, 359, 112-139.	1.6	28
33	On the Distributive Laws of Fuzzy Implication Functions Over Additively Generated Overlap and Grouping Functions. IEEE Transactions on Fuzzy Systems, 2018, 26, 2421-2433.	6.5	32
34	The distributive laws of fuzzy implications over overlap and grouping functions. Information Sciences, 2018, 438, 107-126.	4.0	46
35	Matrix representations and interdependency on L-fuzzy covering-based approximation operators. International Journal of Approximate Reasoning, 2018, 96, 57-77.	1.9	21
36	On multiplicative generators of overlap and grouping functions. Fuzzy Sets and Systems, 2018, 332, 1-24.	1.6	67

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37	Granular variable precision L-fuzzy rough sets based on residuated lattices. Fuzzy Sets and Systems, 2018, 336, 148-166.	1.6	21
38	A fast heuristic attribute reduction approach to ordered decision systems. European Journal of Operational Research, 2018, 264, 440-452.	3.5	33
39	On ( $\tilde{\text{S}}$ ,&)-fuzzy rough sets based on residuated and co-residuated lattices. Fuzzy Sets and Systems, 2018, 336, 54-86.	1.6	30
40	Equivalent Structures of Interval Sets and Fuzzy Interval Sets. International Journal of Intelligent Systems, 2018, 33, 68-92.	3.3	4
41	A novel Z-soft rough fuzzy $\text{BCI}$ -algebras (ideals) of $\text{BCI}$ -algebras. Soft Computing, 2018, 22, 3649-3662.	2.1	3
42	On transformations from semi-three-way decision spaces to three-way decision spaces based on triangular norms and triangular conorms. Information Sciences, 2018, 432, 22-51.	4.0	18
43	On the migrativity of uninorms and nullnorms over overlap and grouping functions. Fuzzy Sets and Systems, 2018, 346, 1-54.	1.6	44
44	Communication between fuzzy information systems using fuzzy covering-based rough sets. International Journal of Approximate Reasoning, 2018, 103, 414-436.	1.9	22
45		1.9	28
46	Stepwise optimal scale selection for multi-scale decision tables via attribute significance. Knowledge-Based Systems, 2017, 129, 4-16.	4.0	59
47	On interval additive generators of interval overlap functions and interval grouping functions. Fuzzy Sets and Systems, 2017, 323, 19-55.	1.6	87
48	On two novel types of three-way decisions in three-way decision spaces. International Journal of Approximate Reasoning, 2017, 82, 285-306.	1.9	46
49	A new approach of optimal scale selection to multi-scale decision tables. Information Sciences, 2017, 381, 193-208.	4.0	68
50	Three-way decisions based on semi-three-way decision spaces. Information Sciences, 2017, 382-383, 415-440.	4.0	33
51	Dominance-based rough fuzzy set approach and its application to rule induction. European Journal of Operational Research, 2017, 261, 690-703.	3.5	41
52	A new approach on covering fuzzy variable-precision rough sets based on residuated lattice. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3181-3190.	0.8	2
53	Hesitant sets and hesitant relations. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3629-3640.	0.8	5
54	On some types of fuzzy covering-based rough sets. Fuzzy Sets and Systems, 2017, 312, 36-65.	1.6	142

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55	Note on a rough set approach to the characterization of transversal matroids [Int. J. Approx. Reason. 70 (2016) 1-12]. International Journal of Approximate Reasoning, 2017, 80, 214-216.	1.9	0
56	A short note on L-fuzzy approximation spaces and L-fuzzy pretopological spaces. Fuzzy Sets and Systems, 2017, 312, 126-134.	1.6	19
57	Three-way decisions based on type-2 fuzzy sets and interval-valued type-2 fuzzy sets. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1385-1395.	0.8	8
58	Axiomatic approaches to rough approximation operators on complete completely distributive lattices. Information Sciences, 2016, 348, 227-242.	4.0	8
59	Attribute reduction in ordered decision tables via evidence theory. Information Sciences, 2016, 364-365, 91-110.	4.0	47
60	L-fuzzy multigranulation rough set based on residuated lattices. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2821-2831.	0.8	1
61	Three-way decisions based on covering rough set. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1763-1772.	0.8	9
62	A fuzzy covering-based rough set model and its generalization over fuzzy lattice. Information Sciences, 2016, 367-368, 463-486.	4.0	94
63	Dominance-based rough set approach to incomplete ordered information systems. Information Sciences, 2016, 346-347, 106-129.	4.0	74
64	Probabilistic graded rough set and double relative quantitative decision-theoretic rough set. International Journal of Approximate Reasoning, 2016, 74, 1-12.	1.9	18
65	The aggregation of multiple three-way decision spaces. Knowledge-Based Systems, 2016, 98, 241-249.	4.0	28
66	Fuzzy probabilistic rough sets and their corresponding three-way decisions. Knowledge-Based Systems, 2016, 91, 126-142.	4.0	64
67	Three-way decision spaces based on partially ordered sets and three-way decisions based on hesitant fuzzy sets. Knowledge-Based Systems, 2016, 91, 16-31.	4.0	76
68	Fuzzy variable precision rough sets based on residuated lattices. International Journal of General Systems, 2015, 44, 743-765.	1.2	21
69	Fuzzy and interval-valued fuzzy decision-theoretic rough set approaches based on fuzzy probability measure. Information Sciences, 2015, 298, 534-554.	4.0	55
70	Generalized interval-valued fuzzy variable precision rough sets determined by fuzzy logical operators. International Journal of General Systems, 2015, 44, 849-875.	1.2	21
71	Granular variable precision fuzzy rough sets with general fuzzy relations. Fuzzy Sets and Systems, 2015, 275, 39-57.	1.6	58
72	Aggregation distance measure and its induced similarity measure between intuitionistic fuzzy sets. Pattern Recognition Letters, 2015, 60-61, 65-71.	2.6	36

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73	Generalized extended fuzzy implications. Fuzzy Sets and Systems, 2015, 268, 93-109.	1.6	13
74	Generation of partial orders for intervals by means of the slope function. Fuzzy Sets and Systems, 2015, 266, 67-83.	1.6	0
75	On fuzzy-valued operations and fuzzy-valued fuzzy sets. Fuzzy Sets and Systems, 2015, 268, 72-92.	1.6	12
76	New extended patterns of fuzzy rough set models on two universes. International Journal of General Systems, 2014, 43, 570-585.	1.2	5
77	On type-2 fuzzy sets and their t-norm operations. Information Sciences, 2014, 255, 58-81.	4.0	60
78	On type-2 fuzzy relations and interval-valued type-2 fuzzy sets. Fuzzy Sets and Systems, 2014, 236, 1-32.	1.6	66
79	Rough sets based on complete completely distributive lattice. Information Sciences, 2014, 269, 378-387.	4.0	11
80	EQ-algebras from the point of view of generalized algebras with fuzzy equalities. Fuzzy Sets and Systems, 2014, 236, 104-112.	1.6	0
81	Application of improved extension evaluation method to water quality evaluation. Journal of Hydrology, 2014, 509, 539-548.	2.3	30
82	Approximate distribution reducts in inconsistent interval-valued ordered decision tables. Information Sciences, 2014, 271, 93-114.	4.0	49
83	Characterizations and new subclasses of $\alpha$ -filters in residuated lattices. Fuzzy Sets and Systems, 2014, 247, 92-107.	1.6	21
84	Three-way decisions space and three-way decisions. Information Sciences, 2014, 281, 21-52.	4.0	205
85	Topological and lattice structures of $\alpha$ -fuzzy rough sets determined by lower and upper sets. Information Sciences, 2013, 218, 194-204.	4.0	94
86	Fuzzy rough sets based on generalized residuated lattices. Information Sciences, 2013, 248, 31-49.	4.0	43
87	FUZZY EQ-FILTERS OF EQ-ALGEBRAS. , 2012, , .		2
88	Tracking Control Synchronization and Adaptive Feedback Synchronization of Unified Chaotic Systems. , 2012, , .		0
89	Fuzzy Integral on Credibility Measure. Fuzzy Information and Engineering, 2010, 2, 389-397.	1.0	2
90	$(\alpha, \beta)$ -Generalized Fuzzy Rough Sets Based on Fuzzy Composition Operations. Advances in Soft Computing, 2009, , 647-659.	0.4	7

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91	Detecting the community structure in complex networks based on quantum mechanics. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6215-6224.	1.2	15
92	A Kind of Dynamic Rough Sets. , 2007, , .		10
93	Feature Selection using Fuzzy Support Vector Machines. Fuzzy Optimization and Decision Making, 2006, 5, 187-192.	3.4	18
94	A novel approach in uncertain programming part I: new arithmetic and order relation for interval numbers. Journal of Industrial and Management Optimization, 2006, 2, 351-371.	0.8	76
95	A novel approach in uncertain programming part II: a class of constrained nonlinear programming problems with interval objective functions. Journal of Industrial and Management Optimization, 2006, 2, 373-385.	0.8	21