Fuyuan Xiao

List of Publications by Year
in descending order

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93	3,760	126907	133252
papers	citations	33 h-index	59 g-index

95	95	95	1478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the maximum extropy negation of a probability distribution. Communications in Statistics Part B: Simulation and Computation, 2024, 53, 234-246.	1.2	3
2	Renyi extropy. Communications in Statistics - Theory and Methods, 2023, 52, 5836-5847.	1.0	7
3	A Majority Rule-Based Measure for Atanassov-Type Intuitionistic Membership Grades in MCDM. IEEE Transactions on Fuzzy Systems, 2022, 30, 121-132.	9.8	16
4	CaFtR: A Fuzzy Complex Event Processing Method. International Journal of Fuzzy Systems, 2022, 24, 1098-1111.	4.0	71
5	A new base function in basic probability assignment for conflict management. Applied Intelligence, 2022, 52, 4473-4487.	5.3	4
6	A generalized Ï‡2 divergence for multisource information fusion and its application in fault diagnosis. International Journal of Intelligent Systems, 2022, 37, 5-29.	5.7	18
7	CEQD: A Complex Mass Function to Predict Interference Effects. IEEE Transactions on Cybernetics, 2022, 52, 7402-7414.	9.5	102
8	Information Quality for Intuitionistic Fuzzy Values with Its Application in Decision Making. Engineering Applications of Artificial Intelligence, 2022, 109, 104568.	8.1	75
9	Combining time-series evidence: A complex network model based on a visibility graph and belief entropy. Applied Intelligence, 2022, 52, 10706-10715.	5.3	50
10	A novel method for forecasting time series based on directed visibility graph and improved random walk. Physica A: Statistical Mechanics and Its Applications, 2022, 594, 127029.	2.6	14
11	Interval-valued intuitionistic fuzzy jenson-shannon divergence and its application in multi-attribute decision making. Applied Intelligence, 2022, 52, 16168-16184.	5.3	36
12	Complex belief intervalâ€based distance measure with its application in pattern recognition. International Journal of Intelligent Systems, 2022, 37, 6811-6832.	5.7	1
13	A generalized RÃ©nyi divergence for multi-source information fusion with its application in EEG data analysis. Information Sciences, 2022, 605, 225-243.	6.9	40
14	Generalized Divergence-based Decision Making Method with an Application to Pattern Classification. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	88
15	A novel belief Ï‡2 ${chi }^{2}$ divergence for multisource information fusion and its application in pattern classification. International Journal of Intelligent Systems, 2022, 37, 7968-7991.	5.7	26
16	Network self attention for forecasting time series. Applied Soft Computing Journal, 2022, 124, 109092.	7.2	22
17	An efficient forecasting method for time series based on visibility graph and multi-subgraph similarity. Chaos, Solitons and Fractals, 2022, 160, 112243.	5.1	7
18	On the Maximum Entropy Negation of a Complex-Valued Distribution. IEEE Transactions on Fuzzy Systems, 2021, 29, 3259-3269.	9.8	58

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19	An improved approach to generate generalized basic probability assignment based on fuzzy sets in the open world and its application in multi-source information fusion. Applied Intelligence, 2021, 51, 3718.	5.3	5
20	GIQ: A Generalized Intelligent Quality-Based Approach for Fusing Multisource Information. IEEE Transactions on Fuzzy Systems, 2021, 29, 2018-2031.	9.8	61
21	CED: A Distance for Complex Mass Functions. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1525-1535.	11.3	75
22	A Novel Conflict Measurement in Decision-Making and Its Application in Fault Diagnosis. IEEE Transactions on Fuzzy Systems, 2021, 29, 186-197.	9.8	110
23	A Generalized Golden Rule Representative Value for Multiple-Criteria Decision Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3193-3204.	9.3	12
24	FRâ€“KDE: A Hybrid Fuzzy Rule-Based Information Fusion Method with its Application in Biomedical Classification. International Journal of Fuzzy Systems, 2021, 23, 392-404.	4.0	13
25	A novel dynamic weight allocation method for multisource information fusion. International Journal of Intelligent Systems, 2021, 36, 736-756.	5.7	5
26	A Distance Measure for Intuitionistic Fuzzy Sets and Its Application to Pattern Classification Problems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3980-3992.	9.3	159
27	Conflicting management of evidence combination from the point of improvement of basic probability assignment. International Journal of Intelligent Systems, 2021, 36, 1914-1942.	5.7	9
28	Editorial on Special Issue: â€œApplications of Intelligent and Fuzzy Theory in Data Scienceâ€• International Journal of Fuzzy Systems, 2021, 23, 492-493.	4.0	0
29	A distance for belief functions of orderable set. Pattern Recognition Letters, 2021, 145, 165-170.	4.2	46
30	A fast evidential approach for stock forecasting. International Journal of Intelligent Systems, 2021, 36, 7544-7562.	5.7	10
31	A novel complex evidential distance with its application in pattern recognition. Engineering Applications of Artificial Intelligence, 2021, 104, 104312.	8.1	4
32	An improved gravity model to identify influential nodes in complex networks based on k-shell method. Knowledge-Based Systems, 2021, 227, 107198.	7.1	64
33	A belief Hellinger distance for Dâ€“S evidence theory and its application in pattern recognition. Engineering Applications of Artificial Intelligence, 2021, 106, 104452.	8.1	39
34	A Novel Reliability Evaluation Method for Complex Evidences. , 2021, , .		0
35	A new divergence measure for belief functions in Dâ€“S evidence theory for multisensor data fusion. Information Sciences, 2020, 514, 462-483.	6.9	185
36	TDIFS: Two dimensional intuitionistic fuzzy sets. Engineering Applications of Artificial Intelligence, 2020, 95, 103882.	8.1	10

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37	Generalized belief function in complex evidence theory. Journal of Intelligent and Fuzzy Systems, 2020, 38, 3665-3673.	1.4	72
38	A GMCDM approach with linguistic Z-numbers based on TOPSIS and Choquet integral considering risk preference. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4285-4298.	1.4	14
39	A method for combining conflicting evidences with improved distance function and Tsallis entropy. International Journal of Intelligent Systems, 2020, 35, 1814-1830.	5.7	20
40	A generalized belief interval-valued soft set with applications in decision making. Soft Computing, 2020, 24, 9339-9350.	3.6	12
41	Generalization of Dempsterâ€“Shafer theory: A complex mass function. Applied Intelligence, 2020, 50, 3266-3275.	5.3	125
42	Evidence combination based on prospect theory for multi-sensor data fusion. ISA Transactions, 2020, 106, 253-261.	5.7	71
43	An intuitionistic linguistic MCDM model based on probabilistic exceedance method and evidence theory. Applied Intelligence, 2020, 50, 1979-1995.	5.3	2
44	A Fuzzy Interval Time-Series Energy and Financial Forecasting Model Using Network-Based Multiple Time-Frequency Spaces and the Induced-Ordered Weighted Averaging Aggregation Operation. IEEE Transactions on Fuzzy Systems, 2020, 28, 2677-2690.	9.8	39
45	An intervalâ€valued exceedance method in MCDM with uncertain satisfactions. International Journal of Intelligent Systems, 2019, 34, 2676-2691.	5.7	19
46	An Improved Multi-Source Data Fusion Method Based on the Belief Entropy and Divergence Measure. Entropy, 2019, 21, 611.	2.2	28
47	A new matrix game with payoffs of generalized Dempsterâ€Shafer structures. International Journal of Intelligent Systems, 2019, 34, 2253-2268.	5.7	10
48	A Data-Driven Dynamic Data Fusion Method Based on Visibility Graph and Evidence Theory. IEEE Access, 2019, 7, 104443-104452.	4.2	5
49	Combine Conflicting Evidence Based on the Belief Entropy and IOWA Operator. IEEE Access, 2019, 7, 120724-120733.	4.2	6
50	A Novel Sensor Dynamic Reliability Evaluation Method and its Application in Multi-Sensor Information Fusion. IEEE Access, 2019, 7, 146144-146157.	4.2	3
51	Workflow scheduling in distributed systems under fuzzy environment. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5323-5333.	1.4	46
52	Improvement of Time Series Data Fusion Based on Evidence Theory and DEMATEL. IEEE Access, 2019, 7, 81397-81406.	4.2	10
53	Negation of Basic Probability Assignment: Trends of Dissimilarity and Dispersion. IEEE Access, 2019, 7, 111315-111323.	4.2	4
54	EFMCDM: Evidential fuzzy multicriteria decision making based on belief entropy. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	106

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55	An Evidential Aggregation Method of Intuitionistic Fuzzy Sets Based on Belief Entropy. IEEE Access, 2019, 7, 68905-68916.	4.2	14
56	A New Distance for Intuitionistic Fuzzy Sets Based on Similarity Matrix. IEEE Access, 2019, 7, 70436-70446.	4.2	20
57	A New Distance Measure of Belief Function in Evidence Theory. IEEE Access, 2019, 7, 68607-68617.	4.2	13
58	An improved method to determine basic probability assignment with interval number and its application in classification. International Journal of Distributed Sensor Networks, 2019, 15, 155014771882052.	2.2	6
59	Aggregation of uncertainty data based on ordered weighting aggregation and generalized information quality. International Journal of Intelligent Systems, 2019, 34, 1653-1666.	5.7	10
60	An Improved Multisensor Data Fusion Method and Its Application in Fault Diagnosis. IEEE Access, 2019, 7, 3928-3937.	4.2	30
61	An Intuitionistic Evidential Method for Weight Determination in FMEA Based on Belief Entropy. Entropy, 2019, 21, 211.	2.2	17
62	A Multiple-Criteria Decision-Making Method Based on D Numbers and Belief Entropy. International Journal of Fuzzy Systems, 2019, 21, 1144-1153.	4.0	94
63	Divergence measure of Pythagorean fuzzy sets and its application in medical diagnosis. Applied Soft Computing Journal, 2019, 79, 254-267.	7.2	206
64	Negation of Belief Function Based on the Total Uncertainty Measure. Entropy, 2019, 21, 73.	2.2	20
65	Time Series Forecasting Based on Complex Network Analysis. IEEE Access, 2019, 7, 40220-40229.	4.2	32
66	Time Series Data Fusion Based on Evidence Theory and OWA Operator. Sensors, 2019, 19, 1171.	3.8	14
67	An Improved Method to Transform Triangular Fuzzy Number Into Basic Belief Assignment in Evidence Theory. IEEE Access, 2019, 7, 25308-25322.	4.2	31
68	A New Conflict Management in Evidence Theory Based on DEMATEL Method. Journal of Sensors, 2019, 2019, 1-12.	1.1	9
69	Bayesian Update with Information Quality under the Framework of Evidence Theory. Entropy, 2019, 21, 5.	2.2	10
70	Multi-sensor data fusion based on the belief divergence measure of evidences and the belief entropy. Information Fusion, 2019, 46, 23-32.	19.1	447
71	An Improved Method for Combining Conflicting Evidences Based on the Similarity Measure and Belief Function Entropy. International Journal of Fuzzy Systems, 2018, 20, 1256-1266.	4.0	75
72	An Adaptive Parallel Processing Strategy for Complex Event Processing Systems over Data Streams in Wireless Sensor Networks. Sensors, 2018, 18, 3732.	3.8	6

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73	A Non-Parametric Method to Determine Basic Probability Assignment Based on Kernel Density Estimation. IEEE Access, 2018, 6, 73509-73519.	4.2	27
74	Joint Coding and Scheduling Optimization in Wireless D2D Networks. , 2018, , .		0
75	A Weighted Combination Method for Conflicting Evidence in Multi-Sensor Data Fusion. Sensors, 2018, 18, 1487.	3.8	64
76	Tunable multi-party high-capacity quantum key distribution based on m-generalized Fibonacci sequences using golden coding. Quantum Information Processing, 2018, 17, 1.	2.2	0
77	An Evidential Failure Mode and Effects Analysis Using Linguistic Terms. Quality and Reliability Engineering International, 2017, 33, 993-1010.	2.3	31
78	An improved distance-based total uncertainty measure in belief function theory. Applied Intelligence, 2017, 46, 898-915.	5.3	73
79	New parallel processing strategies in complex event processing systems with data streams. International Journal of Distributed Sensor Networks, 2017, 13, 155014771772862.	2.2	29
80	Parallel processing data streams in complex event processing systems. , 2017, , .		1
81	A Novel Evidence Theory and Fuzzy Preference Approach-Based Multi-Sensor Data Fusion Technique for Fault Diagnosis. Sensors, 2017, 17, 2504.	3.8	70
82	An Intelligent Complex Event Processing with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>D</mml:mi></mml:mrow></mml:math>Numbers under Fuzzy Environment. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	20
83	A Modified TOPSIS Method Based on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>D</mml:mi></mml:mrow></mml:math>Numbers and Its Applications in Human Resources Selection. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	32
84	Modeling Sensor Reliability in Fault Diagnosis Based on Evidence Theory. Sensors, 2016, 16, 113.	3.8	79
85	Weighted Evidence Combination Based on Distance of Evidence and Entropy Function. International Journal of Distributed Sensor Networks, 2016, 12, 3218784.	2.2	47
86	A novel method to use fuzzy soft sets in decision making based on ambiguity measure and Dempsterâ€“Shafer theory of evidence: An application in medical diagnosis. Artificial Intelligence in Medicine, 2016, 69, 1-11.	6.5	90
87	Efficient processing of multiple nested event pattern queries over multi-dimensional event streams based on a triaxial hierarchical model. Artificial Intelligence in Medicine, 2016, 72, 56-71.	6.5	18
88	High-capacity quantum key distribution using Chebyshev-map values corresponding to Lucas numbers coding. Quantum Information Processing, 2016, 15, 4663-4679.	2.2	0
89	Hybrid threshold adaptable quantum secret sharing scheme with reverse Huffman-Fibonacci-tree coding. Scientific Reports, 2016, 6, 31350.	3.3	18
90	Conflict management based on belief function entropy in sensor fusion. SpringerPlus, 2016, 5, 638.	1.2	66

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91	Coding based broadcast for wireless layered video streaming. , 2015, , .		1
92	Memory aware broadcast for wireless real time applications. , 2015, , .		1
93	Information volume of mass function based on extropy. Soft Computing, 0, , 1.	3.6	2