

# Wen Jiang

## List of Publications by Year in descending order

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120  
papers

4,092  
citations

101535

36  
h-index

128286

60  
g-index

121  
all docs

121  
docs citations

121  
times ranked

1582  
citing authors

#	ARTICLE	IF	CITATIONS
1	A correlation coefficient for belief functions. International Journal of Approximate Reasoning, 2018, 103, 94-106.	3.3	196
2	Failure mode and effects analysis based on a novel fuzzy evidential method. Applied Soft Computing Journal, 2017, 57, 672-683.	7.2	168
3	A Novel $Z$ -Network Model Based on Bayesian Network and $Z$ -Number. IEEE Transactions on Fuzzy Systems, 2020, 28, 1585-1599.	9.8	162
4	Multi-Scale Metric Learning for Few-Shot Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1091-1102.	8.3	143
5	Sensor Data Fusion with Z-Numbers and Its Application in Fault Diagnosis. Sensors, 2016, 16, 1509.	3.8	123
6	An evidential sensor fusion method in fault diagnosis. Advances in Mechanical Engineering, 2016, 8, 168781401664182.	1.6	111
7	A modified combination rule in generalized evidence theory. Applied Intelligence, 2017, 46, 630-640.	5.3	106
8	Zero-sum polymatrix games with link uncertainty: A Dempster-Shafer theory solution. Applied Mathematics and Computation, 2019, 340, 101-112.	2.2	106
9	D number theory based game-theoretic framework in adversarial decision making under a fuzzy environment. International Journal of Approximate Reasoning, 2019, 106, 194-213.	3.3	102
10	An evidential dynamical model to predict the interference effect of categorization on decision making results. Knowledge-Based Systems, 2018, 150, 139-149.	7.1	101
11	Evaluating Green Supply Chain Management Practices Under Fuzzy Environment: A Novel Method Based on D Number Theory. International Journal of Fuzzy Systems, 2019, 21, 1389-1402.	4.0	99
12	Intuitionistic Fuzzy Power Aggregation Operator Based on Entropy and Its Application in Decision Making. International Journal of Intelligent Systems, 2018, 33, 49-67.	5.7	95
13	Dependence assessment in human reliability analysis using an evidential network approach extended by belief rules and uncertainty measures. Annals of Nuclear Energy, 2018, 117, 183-193.	1.8	86
14	A total uncertainty measure for D numbers based on belief intervals. International Journal of Intelligent Systems, 2019, 34, 3302-3316.	5.7	84
15	An Evidential Axiomatic Design Approach for Decision Making Using the Evaluation of Belief Structure Satisfaction to Uncertain Target Values. International Journal of Intelligent Systems, 2018, 33, 15-32.	5.7	83
16	A new probability transformation method based on a correlation coefficient of belief functions. International Journal of Intelligent Systems, 2019, 34, 1337-1347.	5.7	82
17	On the negation of a Dempster-Shafer belief structure based on maximum uncertainty allocation. Information Sciences, 2020, 516, 346-352.	6.9	82
18	An evidential Markov decision making model. Information Sciences, 2018, 467, 357-372.	6.9	81

#	ARTICLE	IF	CITATIONS
19	Ranking Z-numbers with an improved ranking method for generalized fuzzy numbers. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1931-1943.	1.4	76
20	Transfer Learning for SAR Image Classification Via Deep Joint Distribution Adaptation Networks. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5377-5392.	6.3	75
21	A visibility graph power averaging aggregation operator: A methodology based on network analysis. Computers and Industrial Engineering, 2016, 101, 260-268.	6.3	74
22	An improved method to rank generalized fuzzy numbers with different left heights and right heights. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2343-2355.	1.4	73
23	Uncertainty measurement with belief entropy on the interference effect in the quantum-like Bayesian Networks. Applied Mathematics and Computation, 2019, 347, 417-428.	2.2	72
24	An improved soft likelihood function for Dempster-Shafer belief structures. International Journal of Intelligent Systems, 2018, 33, 1264-1282.	5.7	66
25	A new distance measure of interval-valued intuitionistic fuzzy sets and its application in decision making. Soft Computing, 2020, 24, 6987-7003.	3.6	66
26	A modified method for risk evaluation in failure modes and effects analysis of aircraft turbine rotor blades. Advances in Mechanical Engineering, 2016, 8, 168781401664457.	1.6	61
27	A new belief divergence measure for Dempster-Shafer theory based on belief and plausibility function and its application in multi-source data fusion. Engineering Applications of Artificial Intelligence, 2021, 97, 104030.	8.1	53
28	An Uncertainty Measure for Interval-valued Evidences. International Journal of Computers, Communications and Control, 2017, 12, 631.	1.8	51
29	A modified Physarum-inspired model for the user equilibrium traffic assignment problem. Applied Mathematical Modelling, 2018, 55, 340-353.	4.2	48
30	Multi-scale deep feature learning network with bilateral filtering for SAR image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 201-213.	11.1	47
31	A Method to Determine Generalized Basic Probability Assignment in the Open World. Mathematical Problems in Engineering, 2016, 2016, 1-11.	1.1	46
32	Intuitionistic fuzzy evidential power aggregation operator and its application in multiple criteria decision-making. International Journal of Systems Science, 2018, 49, 582-594.	5.5	45
33	Identifying influential nodes based on fuzzy local dimension in complex networks. Chaos, Solitons and Fractals, 2019, 119, 332-342.	5.1	42
34	Fuzzy Risk Evaluation in Failure Mode and Effects Analysis Using a D Numbers Based Multi-Sensor Information Fusion Method. Sensors, 2017, 17, 2086.	3.8	41
35	Zero-Sum Matrix Game with Payoffs of Dempster-Shafer Belief Structures and Its Applications on Sensors. Sensors, 2017, 17, 922.	3.8	40
36	Risk Evaluation in Failure Mode and Effects Analysis Using Fuzzy Measure and Fuzzy Integral. Symmetry, 2017, 9, 162.	2.2	39

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37	Ordered visibility graph average aggregation operator: An application in produced water management. Chaos, 2017, 27, 023117.	2.5	38
38	A modified belief entropy in Dempster-Shafer framework. PLoS ONE, 2017, 12, e0176832.	2.5	36
39	A New Fuzzy-Evidential Controller for Stabilization of the Planar Inverted Pendulum System. PLoS ONE, 2016, 11, e0160416.	2.5	35
40	Sensor Data Fusion Based on a New Conflict Measure. Mathematical Problems in Engineering, 2016, 2016, 1-11.	1.1	34
41	An information dimension of weighted complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 388-399.	2.6	32
42	A new method to evaluate risk in failure mode and effects analysis under fuzzy information. Soft Computing, 2018, 22, 4779-4787.	3.6	29
43	A new medical diagnosis method based on Z-numbers. Applied Intelligence, 2018, 48, 854-867.	5.3	29
44	A quantum framework for modelling subjectivity in multi-attribute group decision making. Computers and Industrial Engineering, 2018, 124, 560-572.	6.3	29
45	Conflicting evidence combination based on uncertainty measure and distance of evidence. SpringerPlus, 2016, 5, 1217.	1.2	27
46	A New Failure Mode and Effects Analysis Method Based on Dempster-Shafer Theory by Integrating Evidential Network. IEEE Access, 2019, 7, 79579-79591.	4.2	27
47	Node similarity measuring in complex networks with relative entropy. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104867.	3.3	26
48	A new method for fault detection of aero-engine based on isolation forest. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110064.	5.0	26
49	A New Engine Fault Diagnosis Method Based on Multi-Sensor Data Fusion. Applied Sciences (Switzerland), 2017, 7, 280.	2.5	25
50	Measuring the complexity of complex network by Tsallis entropy. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121054.	2.6	25
51	Prototype Calibration with Feature Generation for Few-Shot Remote Sensing Image Scene Classification. Remote Sensing, 2021, 13, 2728.	4.0	25
52	A New Interval Numbers Power Average Operator in Multiple Attribute Decision Making. International Journal of Intelligent Systems, 2017, 32, 631-644.	5.7	24
53	An Improved Belief Entropy and Its Application in Decision-Making. Complexity, 2017, 2017, 1-15.	1.6	24
54	A Reliability-Based Method to Sensor Data Fusion. Sensors, 2017, 17, 1575.	3.8	22

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55	A new belief Markov chain model and its application in inventory prediction. International Journal of Production Research, 2018, 56, 2800-2817.	7.5	22
56	Failure Mode and Effects Analysis based on Z-numbers. Intelligent Automation and Soft Computing, 2018, 24, 165-172.	2.1	22
57	Extension of TOPSIS Method and its Application in Investment. Arabian Journal for Science and Engineering, 2018, 43, 693-705.	3.0	21
58	Failure mode and effect analysis using multi-linguistic terms and Dempster-Shafer evidence theory. Quality and Reliability Engineering International, 2021, 37, 920-934.	2.3	21
59	Evidence conflict measure based on OWA operator in open world. PLoS ONE, 2017, 12, e0177828.	2.5	21
60	Semi-Supervised Remote-Sensing Image Scene Classification Using Representation Consistency Siamese Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	21
61	A Novel Single-Valued Neutrosophic Set Similarity Measure and Its Application in Multicriteria Decision-Making. Symmetry, 2017, 9, 127.	2.2	20
62	An information fusion method based on deep learning and fuzzy discount-weighting for target intention recognition. Engineering Applications of Artificial Intelligence, 2022, 109, 104610.	8.1	20
63	Optimising thermal sensor placement and thermal maps reconstruction for microprocessors using simulated annealing algorithm based on PCA. IET Circuits, Devices and Systems, 2016, 10, 463-472.	1.4	19
64	Evaluating Topological Vulnerability Based on Fuzzy Fractal Dimension. International Journal of Fuzzy Systems, 2018, 20, 1956-1967.	4.0	19
65	Sensing Attribute Weights: A Novel Basic Belief Assignment Method. Sensors, 2017, 17, 721.	3.8	18
66	A new information dimension of complex network based on Rényi entropy. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 529-542.	2.6	18
67	A Time-Space Domain Information Fusion Method for Specific Emitter Identification Based on Dempster-Shafer Evidence Theory. Sensors, 2017, 17, 1972.	3.8	16
68	A Method to Identify the Incomplete Framework of Discernment in Evidence Theory. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	16
69	Data-driven multi-attribute decision-making by combining probability distributions based on compatibility and entropy. Applied Intelligence, 2020, 50, 4081-4093.	5.3	16
70	IDLN: Iterative Distribution Learning Network for Few-Shot Remote Sensing Image Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	16
71	Fault diagnosis method based on time domain weighted data aggregation and information fusion. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987562.	2.2	14
72	Fault Diagnosis Based on Non-Negative Sparse Constrained Deep Neural Networks and Dempster-Shafer Theory. IEEE Access, 2020, 8, 18182-18195.	4.2	14

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73	Improved evidential fuzzy c-means method. Journal of Systems Engineering and Electronics, 2018, 29, 187-195.	2.2	13
74	Fault diagnosis based on TOPSIS method with Manhattan distance. Advances in Mechanical Engineering, 2019, 11, 168781401983327.	1.6	13
75	Engine fault diagnosis based on sensor data fusion using evidence theory. Advances in Mechanical Engineering, 2016, 8, 168781401667329.	1.6	12
76	Exploring the combination rules of D numbers from a perspective of conflict redistribution. , 2017, , .		10
77	Cross-Scene Hyperspectral Image Classification Based on Deep Conditional Distribution Adaptation Networks. , 2019, , .		10
78	An ECR-PCR rule for fusion of evidences defined on a non-exclusive framework of discernment. Chinese Journal of Aeronautics, 2022, 35, 179-192.	5.3	10
79	Multi-Attribute Decision Making Method Based on Aggregated Neutrosophic Set. Symmetry, 2019, 11, 267.	2.2	9
80	An improved evidential DEMATEL identify critical success factors under uncertain environment. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3659-3669.	4.9	9
81	Determining BPA under uncertainty environments and its application in data fusion. Journal of Electronics, 2009, 26, 13-17.	0.2	8
82	A multi-source information fusion method for ship target recognition based on Bayesian inference and evidence theory. Journal of Intelligent and Fuzzy Systems, 2022, 42, 2331-2346.	1.4	8
83	Evidential Supplier Selection Based on Interval Data Fusion. International Journal of Fuzzy Systems, 2018, 20, 1159-1171.	4.0	7
84	A Neutrosophic Set Based Fault Diagnosis Method Based on Multi-Stage Fault Template Data. Symmetry, 2018, 10, 346.	2.2	7
85	An attack-defense game based reliability analysis approach for wireless sensor networks. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984129.	2.2	7
86	A New Multi-Sensor Fusion Target Recognition Method Based on Complementarity Analysis and Neutrosophic Set. Symmetry, 2020, 12, 1435.	2.2	7
87	A Multi-criteria Decision-making Model for Evaluating Suppliers in Green SCM. International Journal of Computers, Communications and Control, 2018, 13, 337-352.	1.8	7
88	A Neutrosophic Approach Based on TOPSIS Method to Image Segmentation. International Journal of Computers, Communications and Control, 2018, 13, 1047-1061.	1.8	7
89	Self-Attention and Mutual-Attention for Few-Shot Hyperspectral Image Classification. , 2021, , .		7
90	Optimal data fusion based on information quality function. Applied Intelligence, 2019, 49, 3938-3946.	5.3	6

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91	Quantum Mechanical Approach to Modeling Reliability of Sensor Reports. , 2017, 1, 1-4.		5
92	A new method to air target threat evaluation based on Dempster-Shafer evidence theory. , 2018, , .		4
93	Single-Valued Neutrosophic Set Correlation Coefficient and Its Application in Fault Diagnosis. Symmetry, 2020, 12, 1371.	2.2	4
94	An Information Source Selection Model Based on Evolutionary Game Theory. Applied Mathematics and Computation, 2020, 385, 125362.	2.2	4
95	A New Total Uncertainty Measure from A Perspective of Maximum Entropy Requirement. Entropy, 2021, 23, 1061.	2.2	4
96	Similarity measures for type-2 fuzzy sets and application in MCDM. Neural Computing and Applications, 2021, 33, 9481-9502.	5.6	4
97	Triplet Attention Feature Fusion Network for SAR and Optical Image Land Cover Classification. , 2021, , .		4
98	Fuzzy entity alignment via knowledge embedding with awareness of uncertainty measure. Neurocomputing, 2022, 468, 97-110.	5.9	4
99	Quantum Representation of Basic Probability Assignments Based on Mixed Quantum States. , 2021, , .		4
100	Multiple Attribute Decision Making Based on Neutrosophic Preference Relation. Cognitive Computation, 2021, 13, 1061-1069.	5.2	3
101	Approximation of basic probability assignment in dempster-shafer theory based on correlation coefficient. , 2017, , .		2
102	A method to extend TOPSIS for decision-making problems with interval weight. , 2018, , .		2
103	A New Method for Ranking Discrete Z-number. , 2020, , .		2
104	A Novel Method of Evidential Network Reasoning Based on the Logical Reasoning Rules and Conflict Measure. IEEE Access, 2020, 8, 78015-78028.	4.2	2
105	A Novel Method of Network Security Situation Assessment Based on Evidential Network. Lecture Notes in Computer Science, 2020, , 530-539.	1.3	2
106	A Time Series Classification Method Based on 1DCNN-FNN. , 2021, , .		2
107	A robust target intention recognition method based on dynamic bayesian network. , 2021, , .		2
108	Intelligent Information Fusion for Conflicting Evidence Using Reinforcement Learning and Dempster-Shafer Theory. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
109	An improvement to generalized regret based decision making method considering unreasonable alternatives. International Journal of Intelligent Systems, 2018, 33, 2295-2313.	5.7	1
110	An improved approach for adversarial decision making under uncertainty based on simultaneous game. , 2018, , .		1
111	FMECA of Unmanned Aerial Vehicle Power System Based on the Intuitionistic Fuzzy Set. , 2019, , .		1
112	A New Method to Measure the Information Quality Based on Shannon Entropy. Arabian Journal for Science and Engineering, 2021, 46, 3691-3700.	3.0	1
113	A Semi-Supervised Siamese Network with Label Fusion for Remote Sensing Image Scene Classification. , 2021, , .		1
114	A New Method for OWA Aggregation of Interval Values in Multi-Criteria Decision Making. , 2018, , .		1
115	Evaluating and Sequencing of the Air Target Threat Based on Dempster-Shafer Evidence Theory. , 2010, , .		0
116	Rigid sensor allocation and placement technique for reducing the number of sensors in thermal monitoring. Journal of Shanghai Jiaotong University (Science), 2017, 22, 481-492.	0.9	0
117	A New Multi-source Information Fusion Method Based on Belief Divergence Measure and the Negation of Basic Probability Assignment. Lecture Notes in Computer Science, 2021, , 237-246.	1.3	0
118	A Generalization of Jeffrey's Rule in the Interval-Valued Dempster-Shafer Framework. Lecture Notes in Electrical Engineering, 2019, , 2053-2063.	0.4	0
119	Multi-Level Relation Learning with Confidence Evaluation for Few-Shot Learning. , 2021, , .		0
120	Relation-Aware Neighborhood Aggregation for Cross-lingual Entity Alignment. , 2021, , .		0