Yongchuan Tang

List of Publications by Year in Descending Order

57 papers	922 citations	17 h-index	29 g-index
62 ext. papers	1,150 ext. citations	2.8 avg, IF	5.46 L-index

#	Paper	IF	Citations
57	Managing uncertainty of experts assessment in FMEA with the belief divergence measure.. *Scientific Reports*, **2022**, 12, 6812	4.9	1
56	Fusion of expert uncertain assessment in FMEA based on the negation of basic probability assignment and evidence distance.. *Scientific Reports*, **2022**, 12, 8424	4.9	0
55	An improved measure for belief structure in the evidence theory. *PeerJ Computer Science*, **2021**, 7, e710	2.7	
54	An Improved K-Means Algorithm Based on Evidence Distance. *Entropy*, **2021**, 23,	2.8	1
53	An Improved Approach of Incomplete Information Fusion and Its Application in Sensor Data-Based Fault Diagnosis. *Mathematics*, **2021**, 9, 1292	2.3	2
52	Conflict Data Fusion in a Multi-Agent System Premised on the Base Basic Probability Assignment and Evidence Distance. *Entropy*, **2021**, 23,	2.8	1
51	A new base basic probability assignment approach for conflict data fusion in the evidence theory. *Applied Intelligence*, **2021**, 51, 1056-1068	4.9	32
50	A new approach for generation of generalized basic probability assignment in the evidence theory. *Pattern Analysis and Applications*, **2021**, 24, 1007-1023	2.3	17
49	Measuring the Uncertainty in the Original and Negation of Evidence Using Belief Entropy for Conflict Data Fusion. *Entropy*, **2021**, 23,	2.8	2
48	Recognition Method of Digital Meter Readings in Substation Based on Connected Domain Analysis Algorithm. *Actuators*, **2021**, 10, 170	2.4	0
47	A qualitative study of nurses perception on patients thirst in intensive care units. *Intensive and Critical Care Nursing*, **2021**, 103184	3.1	0
46	An Improved Total Uncertainty Measure in the Evidence Theory and Its Application in Decision Making. *Entropy*, **2020**, 22,	2.8	8
45	A Novel Failure Mode and Effects Analysis Model Using Triangular Distribution-Based Basic Probability Assignment in the Evidence Theory. *IEEE Access*, **2020**, 8, 66813-66827	3.5	14
44	An improved failure mode and effects analysis method based on uncertainty measure in the evidence theory. *Quality and Reliability Engineering International*, **2020**, 36, 1786-1807	2.6	46
43	Deng Entropy Weighted Risk Priority Number Model for Failure Mode and Effects Analysis. *Entropy*, **2020**, 22,	2.8	15
42	An Improved Method to Manage Conflict Data Using Elementary Belief Assignment Function in the Evidence Theory. *IEEE Access*, **2020**, 8, 37926-37932	3.5	6
41	Structural Model for Estimating the Influence of Healthy Lifestyle on Episodic Memory in Adults with Subjective Memory Complaints. *BioMed Research International*, **2020**, 2020, 8349819	3	1

40	An Improved Lagrange Particle Swarm Optimization Algorithm and Its Application in Multiple Fault Diagnosis. *Shock and Vibration*, **2020**, 2020, 1-8	1.1	1
39	An Improved Data Fusion Method Based on Weighted Belief Entropy considering the Negation of Basic Probability Assignment. *Journal of Mathematics*, **2020**, 2020, 1-11	1.2	6
38	Improved Base Belief Function-Based Conflict Data Fusion Approach Considering Belief Entropy in the Evidence Theory. *Entropy*, **2020**, 22,	2.8	3
37	Incomplete Information Management Using an Improved Belief Entropy in Dempster-Shafer Evidence Theory. *Entropy*, **2020**, 22,	2.8	1
36	A Simple Framework of Smart Geriatric Nursing considering Health Big Data and User Profile. *Computational and Mathematical Methods in Medicine*, **2020**, 2020, 5013249	2.8	3
35	A detection method for android application security based on TF-IDF and machine learning. *PLoS ONE*, **2020**, 15, e0238694	3.7	10
34	MADFU: An Improved Malicious Application Detection Method Based on Features Uncertainty. *Entropy*, **2020**, 22,	2.8	2
33	An Extended Base Belief Function in Dempster–Shafer Evidence Theory and Its Application in Conflict Data Fusion. *Mathematics*, **2020**, 8, 2137	2.3	5
32	A Novel Uncertainty Management Approach for Air Combat Situation Assessment Based on Improved Belief Entropy. *Entropy*, **2019**, 21,	2.8	8
31	A Novel Semi-Supervised Classification Method Based on Soft Evidential Label Propagation. *IEEE Access*, **2019**, 7, 62210-62220	3.5	6
30	Dependency Model-Based Multiple Fault Diagnosis Using Knowledge of Test Result and Fault Prior Probability. *Applied Sciences (Switzerland)*, **2019**, 9, 311	2.6	3
29	A Novel Antagonistic Weapon-Target Assignment Model Considering Uncertainty and its Solution Using Decomposition Co-Evolution Algorithm. *IEEE Access*, **2019**, 7, 37498-37517	3.5	8
28	Global fast terminal sliding mode control based on radial basis function neural network for course keeping of unmanned surface vehicle. *International Journal of Advanced Robotic Systems*, **2019**, 16, 172988141982996	1.4	9
27	A Novel Belief Entropy for Measuring Uncertainty in Dempster-Shafer Evidence Theory Framework Based on Plausibility Transformation and Weighted Hartley Entropy. *Entropy*, **2019**, 21,	2.8	12
26	Multi-UAV Mission Allocation under Constraint. *Applied Sciences (Switzerland)*, **2019**, 9, 2184	2.6	10
25	A Note on Incomplete Information Modeling in the Evidence Theory. *IEEE Access*, **2019**, 7, 166410-166414	3.5	8
24	Failure Mode and Effects Analysis based on Z-numbers. *Intelligent Automation and Soft Computing*, **2018**, 24, 165-172	2.6	16
23	A new method to evaluate risk in failure mode and effects analysis under fuzzy information. *Soft Computing*, **2018**, 22, 4779-4787	3.5	22

22	. *IEEE Access*, **2018**, 6, 27103-27110	3.5	24
21	Neural adaptive sliding mode controller for unmanned surface vehicle steering system. *Advances in Mechanical Engineering*, **2018**, 10, 168781401879552	1.2	8
20	Weapon-Target Assignment Problem by Multiobjective Evolutionary Algorithm Based on Decomposition. *Complexity*, **2018**, 2018, 1-19	1.6	12
19	Modeling and Fusing the Uncertainty of FMEA Experts Using an Entropy-Like Measure with an Application in Fault Evaluation of Aircraft Turbine Rotor Blades. *Entropy*, **2018**, 20,	2.8	11
18	Improved evidential fuzzy c-means method. *Journal of Systems Engineering and Electronics*, **2018**, 29, 187-195	1.3	11
17	An Extension to Dengs Entropy in the Open World Assumption with an Application in Sensor Data Fusion. *Sensors*, **2018**, 18,	3.8	18
16	An Improved Test Selection Optimization Model Based on Fault Ambiguity Group Isolation and Chaotic Discrete PSO. *Complexity*, **2018**, 2018, 1-10	1.6	6
15	Ordered visibility graph average aggregation operator: An application in produced water management. *Chaos*, **2017**, 27, 023117	3.3	37
14	Failure mode and effects analysis based on a novel fuzzy evidential method. *Applied Soft Computing Journal*, **2017**, 57, 672-683	7.5	131
13	An Improved Belief Entropy and Its Application in Decision-Making. *Complexity*, **2017**, 2017, 1-15	1.6	20
12	An improved belief entropy based uncertainty management approach for sensor data fusion. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771771849	1.7	8
11	Ranking Z-numbers with an improved ranking method for generalized fuzzy numbers. *Journal of Intelligent and Fuzzy Systems*, **2017**, 32, 1931-1943	1.6	60
10	A Weighted Belief Entropy-Based Uncertainty Measure for Multi-Sensor Data Fusion. *Sensors*, **2017**, 17,	3.8	56
9	An Improved Evidential-IOWA Sensor Data Fusion Approach in Fault Diagnosis. *Sensors*, **2017**, 17,	3.8	9
8	A modified belief entropy in Dempster-Shafer framework. *PLoS ONE*, **2017**, 12, e0176832	3.7	24
7	A New Fuzzy-Evidential Controller for Stabilization of the Planar Inverted Pendulum System. *PLoS ONE*, **2016**, 11, e0160416	3.7	25
6	Sensor Data Fusion Based on a New Conflict Measure. *Mathematical Problems in Engineering*, **2016**, 2016, 1-11	1.1	29
5	A Modified Model of Failure Mode and Effects Analysis Based on Generalized Evidence Theory. *Mathematical Problems in Engineering*, **2016**, 2016, 1-11	1.1	21

LIST OF PUBLICATIONS

4	Sensor Data Fusion with Z-Numbers and Its Application in Fault Diagnosis. *Sensors*, **2016**, 16,	3.8	103
3	Conflicting evidence combination based on uncertainty measure and distance of evidence. *SpringerPlus*, **2016**, 5, 1217	5	22
2	A new distance-based total uncertainty measure in Dempster-Shafer evidence theory. *Applied Intelligence*,1	4.9	6
1	An Improved Approach for Generation of a Basic Probability Assignment in the Evidence Theory Based on Gaussian Distribution. *Arabian Journal for Science and Engineering*,1	2.5	0