

# Yongchuan Tang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7574761/yongchuan-tang-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Failure mode and effects analysis based on a novel fuzzy evidential method. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 57, 672-683	7.5	131
56	Sensor Data Fusion with Z-Numbers and Its Application in Fault Diagnosis. <i>Sensors</i> , <b>2016</b> , 16,	3.8	103
55	Ranking Z-numbers with an improved ranking method for generalized fuzzy numbers. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 1931-1943	1.6	60
54	A Weighted Belief Entropy-Based Uncertainty Measure for Multi-Sensor Data Fusion. <i>Sensors</i> , <b>2017</b> , 17,	3.8	56
53	An improved failure mode and effects analysis method based on uncertainty measure in the evidence theory. <i>Quality and Reliability Engineering International</i> , <b>2020</b> , 36, 1786-1807	2.6	46
52	Ordered visibility graph average aggregation operator: An application in produced water management. <i>Chaos</i> , <b>2017</b> , 27, 023117	3.3	37
51	A new base basic probability assignment approach for conflict data fusion in the evidence theory. <i>Applied Intelligence</i> , <b>2021</b> , 51, 1056-1068	4.9	32
50	Sensor Data Fusion Based on a New Conflict Measure. <i>Mathematical Problems in Engineering</i> , <b>2016</b> , 2016, 1-11	1.1	29
49	A New Fuzzy-Evidential Controller for Stabilization of the Planar Inverted Pendulum System. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160416	3.7	25
48	. <i>IEEE Access</i> , <b>2018</b> , 6, 27103-27110	3.5	24
47	A modified belief entropy in Dempster-Shafer framework. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176832	3.7	24
46	A new method to evaluate risk in failure mode and effects analysis under fuzzy information. <i>Soft Computing</i> , <b>2018</b> , 22, 4779-4787	3.5	22
45	Conflicting evidence combination based on uncertainty measure and distance of evidence. <i>SpringerPlus</i> , <b>2016</b> , 5, 1217		22
44	A Modified Model of Failure Mode and Effects Analysis Based on Generalized Evidence Theory. <i>Mathematical Problems in Engineering</i> , <b>2016</b> , 2016, 1-11	1.1	21
43	An Improved Belief Entropy and Its Application in Decision-Making. <i>Complexity</i> , <b>2017</b> , 2017, 1-15	1.6	20
42	An Extension to Deng's Entropy in the Open World Assumption with an Application in Sensor Data Fusion. <i>Sensors</i> , <b>2018</b> , 18,	3.8	18
41	A new approach for generation of generalized basic probability assignment in the evidence theory. <i>Pattern Analysis and Applications</i> , <b>2021</b> , 24, 1007-1023	2.3	17

40	Failure Mode and Effects Analysis based on Z-numbers. <i>Intelligent Automation and Soft Computing</i> , <b>2018</b> , 24, 165-172	2.6	16
39	Deng Entropy Weighted Risk Priority Number Model for Failure Mode and Effects Analysis. <i>Entropy</i> , <b>2020</b> , 22,	2.8	15
38	A Novel Failure Mode and Effects Analysis Model Using Triangular Distribution-Based Basic Probability Assignment in the Evidence Theory. <i>IEEE Access</i> , <b>2020</b> , 8, 66813-66827	3.5	14
37	A Novel Belief Entropy for Measuring Uncertainty in Dempster-Shafer Evidence Theory Framework Based on Plausibility Transformation and Weighted Hartley Entropy. <i>Entropy</i> , <b>2019</b> , 21,	2.8	12
36	Weapon-Target Assignment Problem by Multiobjective Evolutionary Algorithm Based on Decomposition. <i>Complexity</i> , <b>2018</b> , 2018, 1-19	1.6	12
35	Modeling and Fusing the Uncertainty of FMEA Experts Using an Entropy-Like Measure with an Application in Fault Evaluation of Aircraft Turbine Rotor Blades. <i>Entropy</i> , <b>2018</b> , 20,	2.8	11
34	Improved evidential fuzzy c-means method. <i>Journal of Systems Engineering and Electronics</i> , <b>2018</b> , 29, 187-195	1.3	11
33	Multi-UAV Mission Allocation under Constraint. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2184	2.6	10
32	A detection method for android application security based on TF-IDF and machine learning. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238694	3.7	10
31	Global fast terminal sliding mode control based on radial basis function neural network for course keeping of unmanned surface vehicle. <i>International Journal of Advanced Robotic Systems</i> , <b>2019</b> , 16, 172988141982996	1.4	9
30	An Improved Evidential-IOWA Sensor Data Fusion Approach in Fault Diagnosis. <i>Sensors</i> , <b>2017</b> , 17,	3.8	9
29	A Novel Uncertainty Management Approach for Air Combat Situation Assessment Based on Improved Belief Entropy. <i>Entropy</i> , <b>2019</b> , 21,	2.8	8
28	A Novel Antagonistic Weapon-Target Assignment Model Considering Uncertainty and its Solution Using Decomposition Co-Evolution Algorithm. <i>IEEE Access</i> , <b>2019</b> , 7, 37498-37517	3.5	8
27	An Improved Total Uncertainty Measure in the Evidence Theory and Its Application in Decision Making. <i>Entropy</i> , <b>2020</b> , 22,	2.8	8
26	An improved belief entropy based uncertainty management approach for sensor data fusion. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771771849	1.7	8
25	A Note on Incomplete Information Modeling in the Evidence Theory. <i>IEEE Access</i> , <b>2019</b> , 7, 166410-166414	3.5	8
24	Neural adaptive sliding mode controller for unmanned surface vehicle steering system. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401879552	1.2	8
23	A Novel Semi-Supervised Classification Method Based on Soft Evidential Label Propagation. <i>IEEE Access</i> , <b>2019</b> , 7, 62210-62220	3.5	6

22	An Improved Method to Manage Conflict Data Using Elementary Belief Assignment Function in the Evidence Theory. <i>IEEE Access</i> , <b>2020</b> , 8, 37926-37932	3.5	6
21	An Improved Data Fusion Method Based on Weighted Belief Entropy considering the Negation of Basic Probability Assignment. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-11	1.2	6
20	A new distance-based total uncertainty measure in Dempster-Shafer evidence theory. <i>Applied Intelligence</i> , <sup>1</sup>	4.9	6
19	An Improved Test Selection Optimization Model Based on Fault Ambiguity Group Isolation and Chaotic Discrete PSO. <i>Complexity</i> , <b>2018</b> , 2018, 1-10	1.6	6
18	An Extended Base Belief Function in Dempster-Shafer Evidence Theory and Its Application in Conflict Data Fusion. <i>Mathematics</i> , <b>2020</b> , 8, 2137	2.3	5
17	Dependency Model-Based Multiple Fault Diagnosis Using Knowledge of Test Result and Fault Prior Probability. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 311	2.6	3
16	Improved Base Belief Function-Based Conflict Data Fusion Approach Considering Belief Entropy in the Evidence Theory. <i>Entropy</i> , <b>2020</b> , 22,	2.8	3
15	A Simple Framework of Smart Geriatric Nursing considering Health Big Data and User Profile. <i>Computational and Mathematical Methods in Medicine</i> , <b>2020</b> , 2020, 5013249	2.8	3
14	MADFU: An Improved Malicious Application Detection Method Based on Features Uncertainty. <i>Entropy</i> , <b>2020</b> , 22,	2.8	2
13	An Improved Approach of Incomplete Information Fusion and Its Application in Sensor Data-Based Fault Diagnosis. <i>Mathematics</i> , <b>2021</b> , 9, 1292	2.3	2
12	Measuring the Uncertainty in the Original and Negation of Evidence Using Belief Entropy for Conflict Data Fusion. <i>Entropy</i> , <b>2021</b> , 23,	2.8	2
11	Structural Model for Estimating the Influence of Healthy Lifestyle on Episodic Memory in Adults with Subjective Memory Complaints. <i>BioMed Research International</i> , <b>2020</b> , 2020, 8349819	3	1
10	An Improved K-Means Algorithm Based on Evidence Distance. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
9	An Improved Lagrange Particle Swarm Optimization Algorithm and Its Application in Multiple Fault Diagnosis. <i>Shock and Vibration</i> , <b>2020</b> , 2020, 1-8	1.1	1
8	Incomplete Information Management Using an Improved Belief Entropy in Dempster-Shafer Evidence Theory. <i>Entropy</i> , <b>2020</b> , 22,	2.8	1
7	Conflict Data Fusion in a Multi-Agent System Premised on the Base Basic Probability Assignment and Evidence Distance. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
6	Managing uncertainty of expert assessment in FMEA with the belief divergence measure.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6812	4.9	1
5	Recognition Method of Digital Meter Readings in Substation Based on Connected Domain Analysis Algorithm. <i>Actuators</i> , <b>2021</b> , 10, 170	2.4	0

4	An Improved Approach for Generation of a Basic Probability Assignment in the Evidence Theory Based on Gaussian Distribution. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	○
3	A qualitative study of nursesaperception on patientsathirst in intensive care units. <i>Intensive and Critical Care Nursing</i> , <b>2021</b> , 103184	3.1	○
2	Fusion of expert uncertain assessment in FMEA based on the negation of basic probability assignment and evidence distance.. <i>Scientific Reports</i> , <b>2022</b> , 12, 8424	4.9	○
1	An improved measure for belief structure in the evidence theory. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e710 2.7		