

Zhenyu Zhang

List of Publications by Year in descending order

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73
papers

1,176
citations

430874

18
h-index

434195

31
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74
all docs

74
docs citations

74
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of post-earthquake resilience of highway-bridge networks by considering downtime due to interaction of parallel restoration actions. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 589-605.	3.7	5
2	Extracting and ranking product features in consumer reviews based on evidence theory. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 9973-9983.	4.9	7
3	Interval type-2 fuzzy TOPSIS approach with utility theory for subway station operational risk evaluation. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 4849-4863.	4.9	21
4	How user personality and information characteristics influence the creative information quality on open innovation platforms: an elaboration likelihood model. <i>Kybernetes</i> , 2022, 51, 2305-2325.	2.2	9
5	Compact ammonia reforming at low temperature using catalytic membrane reactors. <i>Journal of Membrane Science</i> , 2022, 644, 120147.	8.2	15
6	Product selection based on sentiment analysis of online reviews: an intuitionistic fuzzy TODIM method. <i>Complex & Intelligent Systems</i> , 2022, 8, 3349-3362.	6.5	26
7	Atomization and droplet dynamics of a gas-liquid two-phase jet under different mass loading ratios. <i>International Journal of Multiphase Flow</i> , 2022, 151, 104043.	3.4	30
8	Intuitionistic Fuzzy FMEA Approach for Key Component Identification of Rail Bogie. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 460-466.	0.4	1
9	Does Fiscal Stress Improve the Environmental Efficiency? Perspective Based on the Urban Horizontal Fiscal Imbalance. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6268.	2.6	3
10	The Influence of Multi-Variation In-Trust Web Feature Behavior Performance on the Information Dissemination Mechanism in Virtual Community. <i>Sustainability</i> , 2022, 14, 6122.	3.2	2
11	Characteristic Analysis of Judgment Debtors Based on Hesitant Fuzzy Linguistic Clustering Method. <i>IEEE Access</i> , 2021, 9, 119147-119157.	4.2	5
12	Hesitant Fuzzy Linguistic Agglomerative Hierarchical Clustering Algorithm and Its Application in Judicial Practice. <i>Mathematics</i> , 2021, 9, 370.	2.2	7
13	Design and operational considerations of catalytic membrane reactors for ammonia synthesis. <i>AIChE Journal</i> , 2021, 67, e17259.	3.6	12
14	Analyzing the Coevolution of Mobile Application Diffusion and Social Network: A Multi-Agent Model. <i>Entropy</i> , 2021, 23, 521.	2.2	6
15	Probabilistic Linguistic Three-Way Multi-Attribute Decision Making for Hidden Property Evaluation of Judgment Debtor. <i>Journal of Mathematics</i> , 2021, 2021, 1-16.	1.0	7
16	Case-Based Reasoning for Hidden Property Analysis of Judgment Debtors. <i>Mathematics</i> , 2021, 9, 1559.	2.2	9
17	Atomization of misaligned impinging liquid jets. <i>Physics of Fluids</i> , 2021, 33, .	4.0	8
18	A Risk-Averse Newsvendor Model under Stochastic Market Price. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-9.	0.9	3

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19	Droplet breakup and coalescence of an internal-mixing twin-fluid spray. <i>Physics of Fluids</i> , 2021, 33, 013317.	4.0	64
20	The Influences of Consumer-to-Consumer Interaction on Dissatisfactory Consumers' Repetitive Purchases in Network Communities. <i>Sustainability</i> , 2021, 13, 869.	3.2	4
21	New distance measures of hesitant fuzzy linguistic term sets. <i>Physica Scripta</i> , 2021, 96, 015002.	2.5	18
22	A co-occurrence based approach of automatic keyword expansion using mass diffusion. <i>Scientometrics</i> , 2020, 124, 1885-1905.	3.0	10
23	Hybrid TODIM Method for Law Enforcement Possibility Evaluation of Judgment Debtor. <i>Mathematics</i> , 2020, 8, 1806.	2.2	16
24	The Passing Fads and Emergent Trends of Project Culture in Construction Industry. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-12.	0.7	2
25	Influences of Reference Group on Users' Purchase Intentions in Network Communities: From the Perspective of Trial Purchase and Upgrade Purchase. <i>Sustainability</i> , 2020, 12, 10619.	3.2	7
26	Experimental investigation on the spray characteristics of a self-pressurized hollow cone injector. <i>Fuel</i> , 2020, 272, 117710.	6.4	18
27	PdAu/YSZ composite hydrogen separation membranes with enhanced stability in the presence of CO. <i>Journal of Membrane Science</i> , 2020, 611, 118371.	8.2	11
28	On the role of vortex-ring formation in influencing air-assisted spray characteristics of n-heptane. <i>Fuel</i> , 2020, 266, 117044.	6.4	24
29	Innovation Diffusion of Mobile Applications in Social Networks: A Multi-Agent System. <i>Sustainability</i> , 2020, 12, 2884.	3.2	10
30	Barium-Promoted Ruthenium Catalysts on Yttria-Stabilized Zirconia Supports for Ammonia Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18038-18047.	6.7	16
31	Novel Distance and Similarity Measures on Hesitant Fuzzy Linguistic Term Sets and Their Application in Clustering Analysis. <i>IEEE Access</i> , 2019, 7, 100231-100242.	4.2	9
32	Numerical Interpretation to the Roles of Liquid Viscosity in Droplet Spreading at Small Weber Numbers. <i>Langmuir</i> , 2019, 35, 16164-16171.	3.5	14
33	Impact of Information Access on Poverty Alleviation Effectiveness: Evidence From China. <i>IEEE Access</i> , 2019, 7, 149013-149025.	4.2	9
34	Automatic Object-Detection of School Building Elements in Visual Data: A Gray-Level Histogram Statistical Feature-Based Method. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3915.	2.5	2
35	Novel distance and similarity measures on hesitant fuzzy linguistic term sets with application to pattern recognition. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 2981-2990.	1.4	19
36	Development of a Data-Mining Technique for Regional-Scale Evaluation of Building Seismic Vulnerability. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1502.	2.5	12

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37	Trajectory deviation of target jet of air-assisted spray under different conditions. <i>Fuel</i> , 2019, 249, 252-263.	6.4	22
38	Numerical simulation of impinging spray characteristics under high ambient pressures with an improved droplet collision model. <i>Fuel</i> , 2019, 251, 106-117.	6.4	17
39	Experimental investigation on the spray characteristic of air-assisted hollow-cone gasoline injector. <i>Applied Thermal Engineering</i> , 2019, 151, 354-363.	6.0	30
40	Efficient Ammonia Decomposition in a Catalytic Membrane Reactor To Enable Hydrogen Storage and Utilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5975-5985.	6.7	84
41	Fabrication and operational considerations of hydrogen permeable Mo ₂ C/V metal membranes and improvement with application of Pd. <i>Journal of Membrane Science</i> , 2018, 549, 559-566.	8.2	22
42	Interleukin-1 receptor-associated kinase 1 correlates with metastasis and invasion in endometrial carcinoma. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2545-2555.	2.6	23
43	MODELING KINETIC ENERGY DISSIPATION OF BOUNCING DROPLETS FOR LAGRANGIAN SIMULATION OF IMPINGING SPRAYS UNDER HIGH AMBIENT PRESSURES. <i>Atomization and Sprays</i> , 2018, 28, 673-694.	0.8	9
44	On the Effect of a Rail Pressure Error State Observer in Reducing Fuel Injection Cycle-to-Cycle Variation in an Opposed-Piston Compression Ignition Engine. <i>Energies</i> , 2018, 11, 1729.	3.1	0
45	Cross-impingement and combustion of sprays in high-pressure chamber and opposed-piston compression ignition engine. <i>Applied Thermal Engineering</i> , 2018, 144, 137-146.	6.0	21
46	Key factors affecting green procurement in real estate development: a China study. <i>Journal of Cleaner Production</i> , 2017, 153, 372-383.	9.3	85
47	Complementary M-ary orthogonal spreading OFDM architecture for HF communication link. <i>IET Communications</i> , 2017, 11, 292-301.	2.2	10
48	Spray Impingement and Combustion in a Model Opposed-Piston Compression Ignition Engine. <i>Combustion Science and Technology</i> , 2017, 189, 1943-1965.	2.3	12
49	Kinetic energy recovery and interface hysteresis of bouncing droplets after inelastic head-on collision. <i>Physics of Fluids</i> , 2017, 29, .	4.0	29
50	Inter-Group Complementary Sequence Set Based on Interleaved Periodic Complementary Sequences. <i>Wireless Personal Communications</i> , 2016, 91, 1051-1064.	2.7	8
51	On the role of droplet bouncing in modeling impinging sprays under elevated pressures. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 657-668.	4.8	35
52	Multiple Orthogonal Subsets With Three-Valued In-Phase Cross-Correlation for HF Communications. <i>IEEE Communications Letters</i> , 2016, 20, 1377-1380.	4.1	17
53	Metro Station Safety Status Prediction Based on GA-SVR. <i>Lecture Notes in Electrical Engineering</i> , 2016, , 57-69.	0.4	4
54	Reliability Analysis of Metro Vehicles Bogie System Based on Fuzzy Fault Tree. <i>Lecture Notes in Electrical Engineering</i> , 2016, , 71-81.	0.4	3

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55	Dynamic risk assessment of metro station with interval type-2 fuzzy set and TOPSIS method. Journal of Intelligent and Fuzzy Systems, 2015, 29, 93-106.	1.4	25
56	A novel conversion process for waste residue: Synthesis of zeolite from electrolytic manganese residue and its application to the removal of heavy metals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 258-267.	4.7	81
57	Removal of basic dye (methylene blue) from aqueous solution using zeolite synthesized from electrolytic manganese residue. Journal of Industrial and Engineering Chemistry, 2015, 23, 344-352.	5.8	117
58	A Fault Detection and Isolation Method Based on R-Fast ICA and K-Fisher for Roller Bearings on the Urban Rail Vehicles. Lecture Notes in Electrical Engineering, 2015, , 265-273.	0.4	1
59	A Brief Proof of General QAM Golay Complementary Sequences in Cases I-III Constructions. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 2203-2206.	0.3	3
60	Zero correlation zone sequence set with inter-group orthogonal and inter-subgroup complementary properties. Advances in Mathematics of Communications, 2015, 9, 9-21.	0.7	5
61	QAM Periodic Complementary Sequence Sets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1329-1333.	0.3	3
62	Railway Disaster Prevention and Snow Survey Design Optimization Technology. Open Automation and Control Systems Journal, 2015, 7, 1895-1902.	0.9	0
63	Experimental investigation of the cycle-to-cycle variations in combustion process of a hydraulic free-piston engine. Energy, 2014, 78, 257-265.	8.8	16
64	Research on the Prediction Model for the Security Situation of Metro Station Based on PSO/SVM. Journal of Intelligent Learning Systems and Applications, 2013, 05, 237-244.	0.5	3
65	Construction of sequences with three-valued zero correlation zone for multi-carrier CDMA systems. Proceedings of SPIE, 2011, , .	0.8	0
66	16-QAM Sequences with Zero Correlation Zone from the Known Quadriphase ZCZ Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1023-1028.	0.3	14
67	Construction of Multi-Dimensional Periodic Complementary Array Sets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1392-1395.	0.3	1
68	A Class of Complementary Sequences with Multi-Width Zero Cross-Correlation Zone. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1508-1517.	0.3	16
69	Expansion of Linear Span and Family Size to Several Families of Known Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1840-1844.	0.3	0
70	Z-Complementary Sets Based on Sequences with Periodic and Aperiodic Zero Correlation Zone. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	12
71	Frequency Hopping Sequences with Few-Hit Zone for Quasi-Synchronous FH-CDMA Systems. , 2006, , .		3
72	Correlation Function Algorithm of Time-Hopping Sequences for TH-UWB. , 2006, , .		0

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73	Automatic image positioning of a rail train number using speed-up robust features and stroke width transform. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210956.	2.1	3