

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
g-index

74
all docs

74
docs citations

74
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of basic dye (methylene blue) from aqueous solution using zeolite synthesized from electrolytic manganese residue. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 344-352.	5.8	117
2	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
3	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
4	A novel conversion process for waste residue: Synthesis of zeolite from electrolytic manganese residue and its application to the removal of heavy metals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 470, 258-267.	4.7	81
5	Droplet breakup and coalescence of an internal-mixing twin-fluid spray. <i>Physics of Fluids</i> , 2021, 33, 013317.	4.0	64
6	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
7	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
8	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
9	Kinetic energy recovery and interface hysteresis of bouncing droplets after inelastic head-on collision. <i>Physics of Fluids</i> , 2017, 29, .	4.0	29
10	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
11	Dynamic risk assessment of metro station with interval type-2 fuzzy set and TOPSIS method. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 93-106.	1.4	25
12	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
13	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
14	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
15	Trajectory deviation of target jet of air-assisted spray under different conditions. <i>Fuel</i> , 2019, 249, 252-263.	6.4	22
16	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
17	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
18	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

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19	Experimental investigation on the spray characteristics of a self-pressurized hollow cone injector. <i>Fuel</i> , 2020, 272, 117710.	6.4	18
20	New distance measures of hesitant fuzzy linguistic term sets. <i>Physica Scripta</i> , 2021, 96, 015002.	2.5	18
21	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
22	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
23	Experimental investigation of the cycle-to-cycle variations in combustion process of a hydraulic free-piston engine. <i>Energy</i> , 2014, 78, 257-265.	8.8	16
24	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
25	Hybrid TODIM Method for Law Enforcement Possibility Evaluation of Judgment Debtor. <i>Mathematics</i> , 2020, 8, 1806.	2.2	16
26	A Class of Complementary Sequences with Multi-Width Zero Cross-Correlation Zone. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2010, E93-A, 1508-1517.	0.3	16
27	Compact ammonia reforming at low temperature using catalytic membrane reactors. <i>Journal of Membrane Science</i> , 2022, 644, 120147.	8.2	15
28	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
29	16-QAM Sequences with Zero Correlation Zone from the Known Quadrphase ZCZ Sequences. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2011, E94-A, 1023-1028.	0.3	14
30	Z-Complementary Sets Based on Sequences with Periodic and Aperiodic Zero Correlation Zone. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2009, 2009, .	2.4	12
31	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
32	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
33	Design and operational considerations of catalytic membrane reactors for ammonia synthesis. <i>AIChE Journal</i> , 2021, 67, e17259.	3.6	12
34	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
35	Complementary M-ary orthogonal spreading OFDM architecture for HF communication link. <i>IET Communications</i> , 2017, 11, 292-301.	2.2	10
36	A co-occurrence based approach of automatic keyword expansion using mass diffusion. <i>Scientometrics</i> , 2020, 124, 1885-1905.	3.0	10

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37	Innovation Diffusion of Mobile Applications in Social Networks: A Multi-Agent System. Sustainability, 2020, 12, 2884.	3.2	10
38	MODELING KINETIC ENERGY DISSIPATION OF BOUNCING DROPLETS FOR LAGRANGIAN SIMULATION OF IMPINGING SPRAYS UNDER HIGH AMBIENT PRESSURES. Atomization and Sprays, 2018, 28, 673-694.	0.8	9
39	Novel Distance and Similarity Measures on Hesitant Fuzzy Linguistic Term Sets and Their Application in Clustering Analysis. IEEE Access, 2019, 7, 100231-100242.	4.2	9
40	Impact of Information Access on Poverty Alleviation Effectiveness: Evidence From China. IEEE Access, 2019, 7, 149013-149025.	4.2	9
41	Case-Based Reasoning for Hidden Property Analysis of Judgment Debtors. Mathematics, 2021, 9, 1559.	2.2	9
42	How user personality and information characteristics influence the creative information quality on open innovation platforms: an elaboration likelihood model. Kybernetes, 2022, 51, 2305-2325.	2.2	9
43	Inter-Group Complementary Sequence Set Based on Interleaved Periodic Complementary Sequences. Wireless Personal Communications, 2016, 91, 1051-1064.	2.7	8
44	Atomization of misaligned impinging liquid jets. Physics of Fluids, 2021, 33, .	4.0	8
45	Influences of Reference Group on Usersâ€™ Purchase Intentions in Network Communities: From the Perspective of Trial Purchase and Upgrade Purchase. Sustainability, 2020, 12, 10619.	3.2	7
46	Hesitant Fuzzy Linguistic Agglomerative Hierarchical Clustering Algorithm and Its Application in Judicial Practice. Mathematics, 2021, 9, 370.	2.2	7
47	Probabilistic Linguistic Three-Way Multi-Attribute Decision Making for Hidden Property Evaluation of Judgment Debtor. Journal of Mathematics, 2021, 2021, 1-16.	1.0	7
48	Extracting and ranking product features in consumer reviews based on evidence theory. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 9973-9983.	4.9	7
49	Analyzing the Coevolution of Mobile Application Diffusion and Social Network: A Multi-Agent Model. Entropy, 2021, 23, 521.	2.2	6
50	Characteristic Analysis of Judgment Debtors Based on Hesitant Fuzzy Linguistic Clustering Method. IEEE Access, 2021, 9, 119147-119157.	4.2	5
51	Assessment of post-earthquake resilience of highwayâ€™bridge networks by considering downtime due to interaction of parallel restoration actions. Structure and Infrastructure Engineering, 2023, 19, 589-605.	3.7	5
52	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
53	The Influences of Consumer-to-Consumer Interaction on Dissatisfactory Consumersâ€™ Repetitive Purchases in Network Communities. Sustainability, 2021, 13, 869.	3.2	4
54	Metro Station Safety Status Prediction Based on GA-SVR. Lecture Notes in Electrical Engineering, 2016, , 57-69.	0.4	4

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55	Frequency Hopping Sequences with Few-Hit Zone for Quasi-Synchronous FH-CDMA Systems. , 2006, , .		3
56	A Risk-Averse Newsvendor Model under Stochastic Market Price. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.9	3
57	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
58	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
59	QAM Periodic Complementary Sequence Sets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1329-1333.	0.3	3
60	Reliability Analysis of Metro Vehicles Bogie System Based on Fuzzy Fault Tree. Lecture Notes in Electrical Engineering, 2016, , 71-81.	0.4	3
61	Does Fiscal Stress Improve the Environmental Efficiency? Perspective Based on the Urban Horizontal Fiscal Imbalance. International Journal of Environmental Research and Public Health, 2022, 19, 6268.	2.6	3
62	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
63	Automatic Object-Detection of School Building Elements in Visual Data: A Gray-Level Histogram Statistical Feature-Based Method. Applied Sciences (Switzerland), 2019, 9, 3915.	2.5	2
64	The Passing Fads and Emergent Trends of Project Culture in Construction Industry. Advances in Civil Engineering, 2020, 2020, 1-12.	0.7	2
65	The Influence of Multi-Variation In-Trust Web Feature Behavior Performance on the Information Dissemination Mechanism in Virtual Community. Sustainability, 2022, 14, 6122.	3.2	2
66	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
67	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
68	Intuitionistic Fuzzy FMEA Approach for Key Component Identification of Rail Bogie. Lecture Notes in Electrical Engineering, 2022, , 460-466.	0.4	1
69	Correlation Function Algorithm of Time-Hopping Sequences for TH-UWB. , 2006, , .		0
70	Construction of sequences with three-valued zero correlation zone for multi-carrier CDMA systems. Proceedings of SPIE, 2011, , .	0.8	0
71	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. Energies, 2018, 11, 1729.	3.1	0
72	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

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73	Railway Disaster Prevention and Snow Survey Design Optimization Technology. Open Automation and Control Systems Journal, 2015, 7, 1895-1902.	0.9	0