Li Zhao

List of Publications by Year
in descending order

89	2,834	159585	206112
papers	citations	30 h-index	48 g-index

91	91	91	2343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Earthquake Detection and Location Architecture for Continuous Seismograms: Phase Picking, Association, Location, and Matched Filter (PALM). Seismological Research Letters, 2022, 93, 413-425.	1.9	34
2	Automatic measurement and quality control of S3KS-SKKS differential traveltimes and the influence of mantle heterogeneity. Geophysical Journal International, 2022, 229, 1448-1461.	2.4	2
3	Dynamic Time Warping as an Alternative to Windowed Cross Correlation in Seismological Applications. Seismological Research Letters, 2022, 93, 1909-1921.	1.9	5
4	The 2020 MwÂ6.0 Jiashi Earthquake: Coinvolvement of Thin-Skinned Thrusting and Basement Shortening in Shaping the Keping-Tage Fold-and-Thrust Belt in Southwestern Tian Shan. Seismological Research Letters, 2022, 93, 680-692.	1.9	10
5	P-Wave Velocity Structure of the Lower Crust and Uppermost Mantle beneath the Sichuanâ€“Yunnan (China) Region. Seismological Research Letters, 2022, 93, 2161-2175.	1.9	4
6	Instantaneous Inversion of Airborne Electromagnetic Data Based on Deep Learning. Geophysical Research Letters, 2022, 49, .	4.0	12
7	Rupture process of the 2021 M7.4 Maduo earthquake and implication for deformation mode of the Songpan-Ganzi terrane in Tibetan Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	36
8	GlitchNet: A Glitch Detection and Removal System for SEIS Records Based on Deep Learning. Seismological Research Letters, 2022, 93, 2804-2817.	1.9	5
9	Removing Galvanic Distortion in 3D Magnetotelluric Data Based on Constrained Inversion. Pure and Applied Geophysics, 2021, 178, 2149-2169.	1.9	2
10	Uniformly asymptotic eigensolutions of the Earth's toroidal modes. Geophysical Journal International, 2021, 228, 250-258.	2.4	1
11	Convolutional neural network inversion of airborne transient electromagnetic data. Geophysical Prospecting, 2021, 69, 1761-1772.	1.9	21
12	A graphic analysis method of electrochemical systems for low-grade heat harvesting from a perspective of thermodynamic cycles. Energy, 2020, 191, 116547.	8.8	22
13	Ledinegg instability analysis on direct vapor generation inside solar collectors. Solar Energy, 2020, 196, 530-539.	6.1	5
14	State-of-art of impacting T-junction : Phase separation, constituent separation and applications. International Journal of Heat and Mass Transfer, 2020, 148, 119067.	4.8	17
15	Bifurcated Crustal Channel Flow and Seismogenic Structures of Intraplate Earthquakes in Western Yunnan, China as Revealed by Threeâ€Dimensional Magnetotelluric Imaging. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018991.	3.4	20
16	De-noising of transient electromagnetic data based on the long short-term memory-autoencoder. Geophysical Journal International, 2020, 224, 669-681.	2.4	35
17	Separation of binary organic mixture in T-shaped carbon nanotube separator: Insights from molecular dynamics simulation. Journal of Molecular Liquids, 2020, 312, 113371.	4.9	7
18	Understanding transport and separation of organic mixed working fluids in T-junction from multi-scale insights: Literature review and case study. International Journal of Heat and Mass Transfer, 2020, 154, 119702.	4.8	12

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19	Numerical simulation on constituents separation of R134a/R600a in a horizontal T-junction. International Journal of Refrigeration, 2020, 115, 148-157.	3.4	9
20	Intelligent collaborative attainment of structure configuration and fluid selection for the Organic Rankine cycle. Applied Energy, 2020, 264, 114743.	10.1	19
21	Application of machine learning into organic Rankine cycle for prediction and optimization of thermal and exergy efficiency. Energy Conversion and Management, 2020, 210, 112700.	9.2	47
22	Towards novel low temperature thermodynamic cycle: A critical review originated from organic Rankine cycle. Applied Energy, 2020, 270, 115186.	10.1	40
23	The 2018 Mw6.4 Hualien earthquake: Dynamic slip partitioning reveals the spatial transition from mountain building to subduction. Earth and Planetary Science Letters, 2019, 524, 115729.	4.4	14
24	State-of-art of branching T-junction: Experiments, modeling, developing prospects and applications. Experimental Thermal and Fluid Science, 2019, 109, 109895.	2.7	26
25	Effect of Nanobubble Evolution on Hydrate Process: A Review. Journal of Thermal Science, 2019, 28, 948-961.	1.9	34
26	Experimental study on flow boiling characteristics of R-245fa in circular tube under non-uniform heat flux. International Journal of Heat and Mass Transfer, 2019, 143, 118570.	4.8	23
27	Spatial and temporal variations of stress field in the Longmenshan Fault Zone after the 2008 Wenchuan, China earthquake. Tectonophysics, 2019, 767, 228172.	2.2	11
28	Identification of key affecting parameters of zeotropic working fluid on subcritical organic Rankine cycle according limiting thermodynamic cycle. Energy Conversion and Management, 2019, 197, 111884.	9.2	15
29	Performance evaluation on solar box cooker with reflector tracking at optimal angle under Bahir Dar climate. Solar Energy, 2019, 180, 664-677.	6.1	39
30	Molecular dynamics study on transport properties of supercritical working fluids: Literature review and case study. Applied Energy, 2019, 250, 63-80.	10.1	29
31	Performance analysis on novel thermodynamic cycle under the guidance of 3D construction method. Applied Energy, 2019, 250, 478-492.	10.1	22
32	Dynamic test and verification of model-guided ORC system. Energy Conversion and Management, 2019, 186, 349-367.	9.2	25
33	How interlayer twist angles affect in-plane and cross-plane thermal conduction of multilayer graphene: A non-equilibrium molecular dynamics study. International Journal of Heat and Mass Transfer, 2019, 137, 161-173.	4.8	38
34	Lg-Q model for Sichuan and Yunnan region. Earth and Planetary Physics, 2019, 3, 1-11.	1.1	3
35	Dynamic performance investigation for two types of ORC system driven by waste heat of automotive internal combustion engine. Energy, 2019, 169, 958-971.	8.8	33
36	Error analysis of ORC performance calculation based on the Helmholtz equation with different binary interaction parameters of mixture. Energy, 2019, 166, 414-425.	8.8	6

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37	Experimental study on phase separation of refrigerant at horizontal T-junction. International Journal of Multiphase Flow, 2018, 105, 217-233.	3.4	23
38	Analysis of a solar Rankine cycle powered refrigerator with zeotropic mixtures. Solar Energy, 2018, 162, 57-66.	6.1	45
39	Dynamic performance investigation of organic Rankine cycle driven by solar energy under cloudy condition. Energy, 2018, 147, 122-141.	8.8	38
40	Simulation of two-phase refrigerant separation in horizontal T-junction. Applied Thermal Engineering, 2018, 134, 333-340.	6.0	24
41	How to approach Carnot cycle via zeotropic working fluid: Research methodology and case study. Energy, 2018, 144, 576-586.	8.8	49
42	Optimization and multi-time scale modeling of pilot solar driven polygeneration system based on organic Rankine cycle. Applied Energy, 2018, 222, 396-409.	10.1	18
43	Thermodynamic performance comparison of Organic Rankine Cycle between zeotropic mixtures and pure fluids under open heat source. Energy Conversion and Management, 2018, 165, 720-737.	9.2	48
44	Solar driven ORC-based CCHP: Comparative performance analysis between sequential and parallel system configurations. Applied Thermal Engineering, 2018, 131, 696-706.	6.0	59
45	A limiting efficiency of subcritical Organic Rankine cycle under the constraint of working fluids. Energy, 2018, 143, 458-466.	8.8	26
46	Magma Chamber and Crustal Channel Flow Structures in the Tengchong Volcano Area From 3â€Ð MT Inversion at the Intracontinental Block Boundary Southeast of the Tibetan Plateau. Journal of Geophysical Research: Solid Earth, 2018, 123, 11,112.	3.4	43
47	Analysis of pressure drop in T-junction and its effect on thermodynamic cycle efficiency. Applied Energy, 2018, 231, 468-480.	10.1	12
48	Methodology for determining the design radiation for a PTC heating system based on non-guaranteed days. Solar Energy, 2018, 174, 97-107.	6.1	4
49	Molecular dynamic study on crossover of equilibrium time of conduction for silicon/silicon and silicon/silicon carbide pairs on nanoscale. International Communications in Heat and Mass Transfer, 2018, 98, 85-95.	5.6	3
50	A review of molecular simulation applied in vapor-liquid equilibria (VLE) estimation of thermodynamic cycles. Journal of Molecular Liquids, 2018, 264, 652-674.	4.9	17
51	How to quantitatively describe the role of the pure working fluids in subcritical organic Rankine cycle: A limitation on efficiency. Energy Conversion and Management, 2018, 172, 316-327.	9.2	24
52	Experimental study on the constituent separation performance of binary zeotropic mixtures in horizontal branch T-junctions. International Journal of Heat and Mass Transfer, 2018, 127, 76-87.	4.8	15
53	2D numerical study on flow boiling of zeotropic mixture isobutane/pentane in internal countercurrent flow system. Applied Thermal Engineering, 2017, 114, 1247-1255.	6.0	9
54	Novel experimental research on the compression process in organic Rankine cycle (ORC). Energy Conversion and Management, 2017, 137, 1-11.	9.2	35

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55	Experimental study on thermal performance of U-type evacuated glass tubular solar collector with low inlet temperature. Solar Energy, 2017, 150, 192-201.	6.1	28
56	Group contribution methods in thermodynamic cycles: Physical properties estimation of pure working fluids. Renewable and Sustainable Energy Reviews, 2017, 79, 984-1001.	16.4	31
57	A literature research on feasible application of mixed working fluid in flexible distributed energy system. Energy, 2017, 137, 377-390.	8.8	24
58	New knowledge on the temperature-entropy saturation boundary slope of working fluids. Energy, 2017, 119, 211-217.	8.8	12
59	Experimental research on liquid-vapor two-phase flow separation of zeotropic mixtures at an impacting T-junction. Experimental Thermal and Fluid Science, 2017, 89, 140-152.	2.7	16
60	Simultaneous working fluids design and cycle optimization for Organic Rankine cycle using group contribution model. Applied Energy, 2017, 202, 618-627.	10.1	54
61	How to predict the vapor slope of temperature-entropy saturation boundary of working fluids from molecular groups?. Energy, 2017, 135, 14-22.	8.8	9
62	Recent advances in modeling the vapor-liquid equilibrium of mixed working fluids. Fluid Phase Equilibria, 2017, 432, 28-44.	2.5	17
63	Developing a performance evaluation model of Organic Rankine Cycle for working fluids based on the group contribution method. Energy Conversion and Management, 2017, 132, 307-315.	9.2	41
64	A critical review of the models used to estimate solar radiation. Renewable and Sustainable Energy Reviews, 2017, 70, 314-329.	16.4	192
65	Experimental research on the influence of system parameters on the composition shift for zeotropic mixture (isobutane/pentane) in a system occurring phase change. Energy Conversion and Management, 2016, 113, 1-15.	9.2	27
66	Experimental study on two-phase separation performance of impacting T-junction. International Journal of Multiphase Flow, 2016, 83, 172-182.	3.4	31
67	A neural network for predicting normal boiling point of pure refrigerants using molecular groups and a topological index. International Journal of Refrigeration, 2016, 63, 63-71.	3.4	42
68	Experimental study on the distribution of constituents of binary zeotropic mixtures in vertical impacting T-junction. International Journal of Heat and Mass Transfer, 2016, 97, 242-252.	4.8	21
69	Analysis of a novel combined power and ejector-refrigeration cycle. Energy Conversion and Management, 2016, 108, 266-274.	9.2	79
70	Rayleigh-wave dispersion reveals crust-mantle decoupling beneath eastern Tibet. Scientific Reports, 2015, 5, 16644.	3.3	39
71	The feasibility of using vapor expander to recover the expansion work in two-stage heat pumps with a large temperature lift. International Journal of Refrigeration, 2015, 56, 15-27.	3.4	22
72	Investigating the influence of the pressure distribution in a membrane module on the cascaded membrane system for post-combustion capture. International Journal of Greenhouse Gas Control, 2015, 39, 194-204.	4.6	25

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73	Performance analysis of the ejector-expansion refrigeration cycle using zeotropic mixtures. International Journal of Refrigeration, 2015, 57, 197-207.	3.4	36
74	Theoretical analysis of a combined power and ejector refrigeration cycle using zeotropic mixture. Applied Energy, 2015, 160, 912-919.	10.1	57
75	Focal mechanisms of the Lushan earthquake sequence and spatial variation of the stress field. Science China Earth Sciences, 2015, 58, 1148-1158.	5.2	20
76	Anisotropic Rayleigh-wave phase velocities beneath northern Vietnam. Earth, Planets and Space, 2015, 67, 28.	2.5	15
77	Trends in patents for solar thermal utilization in China. Renewable and Sustainable Energy Reviews, 2015, 52, 852-862.	16.4	24
78	Investigation of a Hybrid System for Post-Combustion Capture. Energy Procedia, 2014, 63, 1756-1772.	1.8	30
79	A parametric study of the impact of membrane materials and process operating conditions on carbon capture from humidified flue gas. Journal of Membrane Science, 2013, 431, 139-155.	8.2	86
80	Investigating the influence of sweep gas on CO2/N2 membranes for post-combustion capture. International Journal of Greenhouse Gas Control, 2013, 13, 180-190.	4.6	34
81	Comparative Investigation of Polymer Membranes for Post-combustion Capture. Energy Procedia, 2013, 37, 1125-1134.	1.8	16
82	How gas separation membrane competes with chemical absorption in postcombustion capture. Energy Procedia, 2011, 4, 629-636.	1.8	29
83	Phase diagrams of CO2 and CO2â€“N2 gas mixtures and their application in compression processes. Energy Procedia, 2011, 4, 3778-3785.	1.8	44
84	Multi-stage gas separation membrane processes used in post-combustion capture: Energetic and economic analyses. Journal of Membrane Science, 2010, 359, 160-172.	8.2	165
85	Synthetic seismograms by normal-mode summation: a new derivation and numerical examples. Geophysical Journal International, 2010, 183, 1613-1632.	2.4	16
86	Concepts and investment cost analyses of multi-stage membrane systems used in post-combustion processes. Energy Procedia, 2009, 1, 269-278.	1.8	50
87	A parametric study of CO2/N2 gas separation membrane processes for post-combustion capture. Journal of Membrane Science, 2008, 325, 284-294.	8.2	197
88	Full three-dimensional tomography: a comparison between the scattering-integral and adjoint-wavefield methods. Geophysical Journal International, 2007, 170, 175-181.	2.4	126
89	Analysis of a coal fired combined cycle with carried-heat gasification. Journal of Thermal Science, 1994, 3, 217-224.	1.9	4