

# Zheng Li

## List of Publications by Year in descending order

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74  
papers

1,632  
citations

257450

24  
h-index

315739

38  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration-reduction optimization of the point-supporting floating-slab track based on local resonance mechanism. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1176-1190.	2.6	2
2	Band Gap Analysis of Improved Point-Supporting Structure for Floating-Slab Track Through Theoretical Model. <i>Journal of Vibration Engineering and Technologies</i> , 2022, 10, 55-69.	2.2	2
3	A TE <sub>â€œ</sub> Mode Groove-Gap-Waveguide-Based Wideband Fixed-Frequency Beam-Scanning Leaky-Wave Antenna for Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 4171-4180.	5.1	3
4	A liquid crystal leaky-wave antenna with fixed-frequency beam scanning and open-stop-band suppression. <i>Liquid Crystals</i> , 2022, 49, 1403-1410.	2.2	2
5	Dual-Band Fixed-Frequency Beam-Scanning Leaky-Wave Antenna for Large-Frequency-Ratio Microwave and Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 7458-7467.	5.1	6
6	Broadband Fixed-Beam Leaky-Wave Antenna With Consistent and High Gain Based on Ridge Gap Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022, 21, 1925-1929.	4.0	4
7	A <i>Ka</i> -Band Circularly Polarized Fixed-Frequency Beam-Scanning Leaky-Wave Antenna Based on Groove Gap Waveguide With Consistent High Gains. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 1959-1969.	5.1	34
8	Investigation of Corrosion Rate and Rust Expansion Form of Segment Reinforcement for Shield Tunnel by Combined Action of Soil Loading, Chloride Ion and Stray Current. <i>Sustainability</i> , 2021, 13, 3444.	3.2	3
9	Protection Mechanism in Reliability Evaluation Approach to Multistate System with Common Cause Failure. <i>Complexity</i> , 2021, 2021, 1-12.	1.6	2
10	Capacitance Loss Mechanism and Prediction Based on Electrochemical Corrosion in Metallized Film Capacitors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 654-662.	2.9	20
11	A Wearable Sensor Based on Gold Nanowires/Textile and Its Integrated Smart Glove for Motion Monitoring and Gesture Expression. <i>Energy Technology</i> , 2021, 9, 2100166.	3.8	32
12	Moisture Induced Weight Gain Relation to Capacitance Loss Characteristic of Film Capacitors under Harsh Environment. , 2021, , .		2
13	Analysis of the Mechanical Characteristics of Different Track Bed Types in Heavy-Haul Railway Tunnels. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	1.1	1
14	An Efficient Universal Generating Function-Based Analyzing Approach for Multistate System with Imperfect Coverage Failure. <i>Complexity</i> , 2021, 2021, 1-10.	1.6	0
15	A thread/fabric-based band as a flexible and wearable microfluidic device for sweat sensing and monitoring. <i>Lab on A Chip</i> , 2021, 21, 916-932.	6.0	46
16	Knowledge atlas of post-traumatic epilepsy research: Based on citespace visualization analysis. <i>Epilepsy Research</i> , 2021, 178, 106790.	1.6	12
17	Semi-analytical solutions of ultimate load for a rectangular concrete-filled tubular column subjected to eccentric compression. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1664-1691.	2.1	1
18	Formation and in situ separation of oligomeric products from complete depolymerization of pubescens using a catalyst-free biphasic system. <i>Cellulose</i> , 2020, 27, 1951-1964.	4.9	7

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19	The Promotion Effect of NaCl on the Conversion of Xylose to Furfural. Chinese Journal of Chemistry, 2020, 38, 178-184.	4.9	21
20	Unraveling sorption of Cr (VI) from aqueous solution by FeCl <sub>3</sub> and ZnCl <sub>2</sub> -modified corn stalks biochar: Implicit mechanism and application. Bioresource Technology, 2020, 297, 122466.	9.6	91
21	Morphological and proteomic analysis of young spikes reveals new insights into the formation of multiple-pistil wheat. Plant Science, 2020, 296, 110503.	3.6	4
22	Reliability Modeling for Multistate System with Preventive Maintenance under Customer Demand Complexity, 2020, 2020, 1-9.	1.6	6
23	Planar Annular Leaky-Wave Antenna Array With Conical Beam. IEEE Transactions on Antennas and Propagation, 2020, 68, 5405-5414.	5.1	30
24	Gentiopicroside Ameliorates Oxidative Stress and Lipid Accumulation through Nuclear Factor Erythroid 2-Related Factor 2 Activation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	35
25	The effect of sodium chloride concentration on the mutarotation and structure of d-xylose in water: Experimental and theoretical investigation. Carbohydrate Research, 2020, 489, 107941.	2.3	5
26	Batch process monitoring using multiway Laplacian autoencoders. Canadian Journal of Chemical Engineering, 2020, 98, 1269-1279.	1.7	12
27	Isolation and Identification of a TaTDR-Like Wheat Gene Encoding a bHLH Domain Protein, Which Negatively Regulates Chlorophyll Biosynthesis in Arabidopsis. International Journal of Molecular Sciences, 2020, 21, 629.	4.1	5
28	Chicoric acid ameliorate inflammation and oxidative stress in Lipopolysaccharide and galactosamine induced acute liver injury. Journal of Cellular and Molecular Medicine, 2020, 24, 3022-3033.	3.6	32
29	Impacts of geological conditions on instability causes and mechanical behavior of large-scale tunnels: a case study from the Sichuan-Tibet highway, China. Bulletin of Engineering Geology and the Environment, 2020, 79, 3667-3688.	3.5	59
30	A Prefabricated Underground Cylindrical Garage and a Corresponding Stiffness Analysis. International Journal of Steel Structures, 2020, 20, 954-968.	1.3	3
31	Geniposide alleviates non-alcohol fatty liver disease via regulating Nrf2/AMPK/mTOR signalling pathways. Journal of Cellular and Molecular Medicine, 2020, 24, 5097-5108.	3.6	66
32	Identification of MicroRNA-Potassium Channel Messenger RNA Interactions in the Brain of Rats With Post-traumatic Epilepsy. Frontiers in Molecular Neuroscience, 2020, 13, 610090.	2.9	3
33	A low-cost and effective seeding technique using protective core for restoration of <i>Zostera marina</i> habitats. Aquatic Ecosystem Health and Management, 2020, 23, 341-349.	0.6	3
34	MILP-aided cube-attack-like cryptanalysis on Keccak Keyed modes. Designs, Codes, and Cryptography, 2019, 87, 1271-1296.	1.6	6
35	Identification and Functional Analysis of the CLAVATA3/EMBRYO SURROUNDING REGION (CLE) Gene Family in Wheat. International Journal of Molecular Sciences, 2019, 20, 4319.	4.1	18
36	Quantum cryptanalysis on some generalized Feistel schemes. Science China Information Sciences, 2019, 62, 1.	4.3	32

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37	Design and Optimization of Flexible Polypyrrole/Bacterial Cellulose Conductive Nanocomposites Using Response Surface Methodology. <i>Polymers</i> , 2019, 11, 960.	4.5	28
38	Reliability and Sensitivity Analysis Method for a Multistate System with Common Cause Failure. <i>Complexity</i> , 2019, 2019, 1-8.	1.6	11
39	A Modified Particle Swarm Optimization with Elite Archive for Typical Multi-Objective Problems. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 2351-2361.	1.5	4
40	A Period-Reconfigurable Leaky-Wave Antenna With Fixed-Frequency and Wide-Angle Beam Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3720-3732.	5.1	68
41	Comparative proteomic analysis of multi-ovary wheat under heterogeneous cytoplasm suppression. <i>BMC Plant Biology</i> , 2019, 19, 175.	3.6	7
42	Online prediction of quality-related variables for batch processes using a sequential phase partition method. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2483-2497.	1.7	6
43	Morin reduces inflammatory responses and alleviates lipid accumulation in hepatocytes. <i>Journal of Cellular Physiology</i> , 2019, 234, 19785-19798.	4.1	15
44	Aucubin inhibited lipid accumulation and oxidative stress via Nrf2/HO-1 and AMPK signalling pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4063-4075.	3.6	104
45	Parameter Detection Model and Simulation of Energy Storage Lithium Battery Considering Thermal Characteristics. , 2019, , .		1
46	Generation of Radiation Null for Periodic Leaky-Wave Antennas. , 2019, , .		0
47	Location Sensitive Regression Algorithm for Multi-oriented Scene Text Detection with Focal Loss. , 2019, , .		2
48	Rosmarinic acid protects mice from lipopolysaccharide/d-galactosamine-induced acute liver injury by inhibiting MAPKs/NF- $\kappa$ B and activating Nrf2/HO-1 signaling pathways. <i>International Immunopharmacology</i> , 2019, 67, 465-472.	3.8	33
49	Simulated Method for Reliability Evaluation of Multi-State Coherent System. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 1363-1371.	1.5	4
50	Conditional cube attack on round-reduced River Keyak. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 1295-1310.	1.6	5
51	A histidine-rich elastin-like polypeptide functions as a quickly detectable and easily purifiable protein fusion tag. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 343-347.	2.1	3
52	Effect of Sc and Zr on Microstructure and Mechanical Properties of As-Cast Al-Cu Alloys. <i>Advanced Engineering Materials</i> , 2018, 20, 1700898.	3.5	17
53	Effects of $\gamma$ -Valerolactone/H <sub>2</sub> O Solvent on the Degradation of <i>pubescens</i> for Its Fulllest Utilization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6094-6103.	5.2	22
54	Magnolol Alleviates Inflammatory Responses and Lipid Accumulation by AMP-Activated Protein Kinase-Dependent Peroxisome Proliferator-Activated Receptor $\alpha$ Activation. <i>Frontiers in Immunology</i> , 2018, 9, 147.	4.8	28

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55	Biomedical Potential of Ultrafine Ag Nanoparticles Coated on Poly (Gamma-Glutamic Acid) Hydrogel with Special Reference to Wound Healing. <i>Nanomaterials</i> , 2018, 8, 324.	4.1	31
56	Novel Biological Hydrogel: Swelling Behaviors Study in Salt Solutions with Different Ionic Valence Number. <i>Polymers</i> , 2018, 10, 112.	4.5	20
57	Protective effects of morin on lipopolysaccharide/ d -galactosamine-induced acute liver injury by inhibiting TLR4/NF- $\kappa$ B and activating Nrf2/HO-1 signaling pathways. <i>International Immunopharmacology</i> , 2017, 45, 148-155.	3.8	71
58	Picoside II Protects Rat Lung and A549 Cell Against LPS-Induced Inflammation by the NF- $\kappa$ B Pathway. <i>Inflammation</i> , 2017, 40, 752-761.	3.8	22
59	Preparation of $\hat{I}^3$ -PGA hydrogels and swelling behaviors in salt solutions with different ionic valence numbers. <i>RSC Advances</i> , 2017, 7, 11085-11093.	3.6	43
60	A Simple Two-Step Method for the Selective Conversion of Hemicellulose in <i>Pubescens</i> to Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8137-8147.	6.7	50
61	The protective effects of Shikonin on lipopolysaccharide/ d -galactosamine-induced acute liver injury via inhibiting MAPK and NF- $\kappa$ B and activating Nrf2/HO-1 signaling pathways. <i>RSC Advances</i> , 2017, 7, 34846-34856.	3.6	21
62	Repression of Human Hepatocellular Carcinoma Growth by Regulating Met/EGFR/VEGFR-Akt/NF- $\kappa$ B Pathways with Theanine and Its Derivative, (R)-2-(6,8-Dibromo-2-oxo-2H-chromene-3-carboxamido)-5-(ethylamino)-5-oxopentanoic Ethyl Ester (DTBrC). <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7002-7013.	5.2	12
63	Loganin inhibits the inflammatory response in mouse 3T3L1 adipocytes and mouse model. <i>International Immunopharmacology</i> , 2016, 36, 173-179.	3.8	35
64	Preparation and properties of EDC/NHS mediated crosslinking poly (gamma-glutamic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (acidic)	7.3	114
65	A combined method for reliability analysis of multi-state system of minor-repairable components. <i>Eksplatacja I Niezawodnosc</i> , 2016, 18, 80-88.	2.0	13
66	An analytical method for quantitative reconstruction of X-ray fluorescence computed tomography with attenuation correction. , 2015, , .		0
67	Comparative proteomic analysis of a membrane-enriched fraction from flag leaves reveals responses to chemical hybridization agent SQ-1 in wheat. <i>Frontiers in Plant Science</i> , 2015, 6, 669.	3.6	23
68	Immunomodulatory activity of macromolecular polysaccharide isolated from <i>Grifola frondosa</i> . <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 906-914.	1.3	27
69	Leaky Rectangular Waveguide With Circular Polarization Property. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 5098-5101.	5.1	10
70	Production of nano bacterial cellulose from waste water of candied jujube-processing industry using <i>Acetobacter xylinum</i> . <i>Carbohydrate Polymers</i> , 2015, 120, 115-119.	10.2	124
71	Abnormal Development of Tapetum and Microspores Induced by Chemical Hybridization Agent SQ-1 in Wheat. <i>PLoS ONE</i> , 2015, 10, e0119557.	2.5	42
72	System analysis and image processing for millimeter-wave holographi imaging. , 2014, , .		0

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73	The process of waste water with benzyls by comamonas testosteroni. , 2011, , .		0
74	Computer Simulation of the Epitaxy of Surfactant-Templated Inorganic Nanomaterials on Patterned Surfaces. Langmuir, 2009, 25, 1998-2006.	3.5	6