

Zheng Zhou

List of Publications by Year in descending order

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66
papers

1,302
citations

471509

17
h-index

377865

34
g-index

66
all docs

66
docs citations

66
times ranked

1753
citing authors

#	ARTICLE	IF	CITATIONS
1	First demonstration of the FLASH effect with ultrahigh dose rate high-energy X-rays. <i>Radiotherapy and Oncology</i> , 2022, 166, 44-50.	0.6	40
2	A Microenvironment Regulator for Filling the Clinical Treatment Gap after a Glioblastoma Operation. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101578.	7.6	7
3	Exosomes derived from immunogenically dying tumor cells as a versatile tool for vaccination against pancreatic cancer. <i>Biomaterials</i> , 2022, 280, 121306.	11.4	32
4	Thermal stability, mechanical, and optical properties of novel RTV silicone rubbers using octa(dimethylethoxysiloxy)-POSS as a cross-linker. <i>E-Polymers</i> , 2022, 22, 357-369.	3.0	5
5	High-brightness photo-injector with standing-wave buncher-based ballistic bunching scheme for inverse Compton scattering light source. <i>Nuclear Science and Techniques/Hewuli</i> , 2022, 33, 1.	3.4	2
6	PDMS-based composites with stable dielectric properties at varied frequency via Sr-doped CaCu ₃ Ti ₄ O ₁₂ nanowires for flexible wideband antenna substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 430-441.	2.2	4
7	Longitudinal phase space manipulation with planar corrugated wakefield structures. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 987, 164819.	1.6	1
8	High-throughput injection acceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. <i>Nature Physics</i> , 2021, 17, 801-806.	16.7	8
9	Generation of Tunable 10-mJ-Level Terahertz Pulses through Nonlinear Plasma Wakefield Modulation. <i>Physical Review Applied</i> , 2021, 15, .	3.8	5
10	Biomimetic Dendrimer Peptide Conjugates for Early Multi-Target Therapy of Alzheimer's Disease by Inflammatory Microenvironment Modulation. <i>Advanced Materials</i> , 2021, 33, e2100746.	21.0	50
11	Macrophage Disguised Manganese Dioxide Nanoparticles for Neuroprotection by Reducing Oxidative Stress and Modulating Inflammatory Microenvironment in Acute Ischemic Stroke. <i>Advanced Science</i> , 2021, 8, e2101526.	11.2	109
12	Sequentially Triggered Bacterial Outer Membrane Vesicles for Macrophage Metabolism Modulation and Tumor Metastasis Suppression. <i>ACS Nano</i> , 2021, 15, 13826-13838.	14.6	54
13	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. <i>Physical Review Applied</i> , 2021, 16, .	3.8	1
14	Super-radiation Terahertz Source Based On Sub-picosecond Electron Beam At CTFEL. , 2021, , .		0
15	A low-shrinkage dental composite with epoxy-polyhedral oligomeric silsesquioxane. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103515.	3.1	18
16	Synthesis and properties of thermoplastic and dissolvable polysiloxanes containing polyhedral oligomeric silsesquioxane. <i>Journal of Polymer Science</i> , 2020, 58, 3183-3195.	3.8	3
17	Velocity bunching dynamics of attosecond electron beam in a DC-gun based high repetition-rate beamline. <i>Journal of Applied Physics</i> , 2020, 128, 154901.	2.5	1
18	Exploring difference in land surface temperature between the city centres and urban expansion areas of China's major cities. <i>International Journal of Remote Sensing</i> , 2020, 41, 8965-8985.	2.9	13

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19	Cropland heterogeneity changes on the Northeast China Plain in the last three decades (1980s–2010s). PeerJ, 2020, 8, e9835.	2.0	2
20	Regulating the dielectric property of percolative composites via a core–shell-structured ionic liquid/carbon nanotube hybrid. Journal of Materials Science, 2019, 54, 7096-7109.	3.7	5
21	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. Physical Review Letters, 2019, 122, 204804.	7.8	31
22	Facile Fabrication of Flexible, Robust, and Superhydrophobic Hybrid Aerogel. Langmuir, 2019, 35, 8692-8698.	3.5	22
23	Demonstration of Single-Shot High-Quality Cascaded High-Energy-Electron Radiography using Compact Imaging Lenses Based on Permanent-Magnet Quadrupoles. Physical Review Applied, 2019, 11, .	3.8	12
24	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. Physical Review Applied, 2019, 12, .	3.8	10
25	Visualizing the melting processes in ultrashort intense laser triggered gold mesh with high energy electron radiography. Matter and Radiation at Extremes, 2019, 4, .	3.9	5
26	Preparation of novel UV-cured methacrylate hybrid materials with high thermal stability via thiol–ene photopolymerization. Journal of Materials Science, 2019, 54, 5877-5897.	3.7	13
27	Observation of coherent Smith-Purcell and transition radiation driven by single bunch and micro-bunched electron beams. Applied Physics Letters, 2018, 112, .	3.3	14
28	Synthesis, characterization, and properties of novel UV-resistant poly(urethane-imide)/POSS nanocomposite. High Performance Polymers, 2018, 30, 1210-1218.	1.8	9
29	Joint Beamforming and Clustering Optimization of Hybrid-Energy-Powered eRRHs in F-RANs. , 2018, , .		1
30	Proposal of a femtosecond megahertz repetition-rate electron diffraction instrument based on the Chinese Academy of Engineering Physics terahertz free electron laser beamline. Review of Scientific Instruments, 2018, 89, 105101.	1.3	0
31	Experiments on bright-field and dark-field high-energy electron imaging with thick target material. Physical Review Accelerators and Beams, 2018, 21, .	1.6	8
32	Diffraction based method to reconstruct the spectrum of the Thomson scattering x-ray source. Review of Scientific Instruments, 2017, 88, 045110.	1.3	11
33	Thomson scattering x-ray source: a novel tool for monochromatic computed tomography. , 2017, , .		2
34	Classification of animals and people based on radio-sensor network. , 2016, , .		2
35	Paired-user blind interference alignment for improving power efficiency in a two-cell network. , 2016, , .		0
36	Development of S-band photocathode RF guns at Tsinghua University. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 834, 98-107.	1.6	28

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37	Surface integrity and fatigue analysis of shot-peening for 7055 aluminum alloy under different high-speed milling conditions. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667462.	1.6	12
38	Tunable High-Intensity Electron Bunch Train Production Based on Nonlinear Longitudinal Space Charge Oscillation. <i>Physical Review Letters</i> , 2016, 116, 184801.	7.8	38
39	Joint Optimization of User Grouping and Transmitter Connection on Multi-Cell SNR Blind Interference Alignment. <i>IEEE Access</i> , 2016, 4, 4974-4988.	4.2	7
40	Effect of ionic liquid-containing poly(ϵ -caprolactone) on the dispersion and dielectric properties of polymer/carbon nanotube composites. <i>RSC Advances</i> , 2016, 6, 31351-31358.	3.6	10
41	Diacetyl content reduction in industrial brewer's yeast through ILV2 disruption and BDH1 expression. <i>European Food Research and Technology</i> , 2016, 242, 919-926.	3.3	10
42	Throughput Optimizing for Power-Splitting Based Relaying in Wireless-Powered Cooperative Networks. , 2015, , .		1
43	An effective MIMO detection scheme for future wireless HetNet based on MU-MIMO. , 2015, , .		0
44	Wireless information and power transfer design with scheduling for cooperative networks. , 2015, , .		0
45	Joint Power Splitting and Antenna Selection in Energy Harvesting Relay Channels. <i>IEEE Signal Processing Letters</i> , 2015, 22, 823-827.	3.6	96
46	Synthesis of organic montmorillonite contained polyhedral oligomeric silsesquioxane and its nanocomposites with poly(ϵ -lactide). <i>Polymer Engineering and Science</i> , 2014, 54, 2489-2496.	3.1	1
47	Uniformity and nonuniformity of neural activities correlated to different insight problem solving. <i>Neuroscience</i> , 2014, 270, 203-211.	2.3	11
48	Neural pathway in the right hemisphere underlies verbal insight problem solving. <i>Neuroscience</i> , 2014, 256, 334-341.	2.3	29
49	Increased Neutrophil Elastase and Proteinase 3 and Augmented NETosis Are Closely Associated With β 2-Cell Autoimmunity in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 4239-4248.	0.6	154
50	Throughput Optimizing for Power-Splitting Based Relaying in Wireless-Powered Cooperative Networks. , 2014, , .		0
51	An Improved Fuzzy Unequal Clustering Algorithm for Wireless Sensor Network. <i>Mobile Networks and Applications</i> , 2013, 18, 206-214.	3.3	63
52	Frequency, Immunogenetics, and Clinical Characteristics of Latent Autoimmune Diabetes in China (LADA China Study). <i>Diabetes</i> , 2013, 62, 543-550.	0.6	204
53	A unified codebook for fast beam searching in millimeter-wave communications. , 2012, , .		5
54	Effect of Antioxidants on the Stability of Poly(ether ether ketone) and the Investigation on the Effect Mechanism of the Antioxidants to Poly(ether ether ketone). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 571-577.	2.2	3

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55	An improved fuzzy unequal clustering algorithm for wireless sensor network. , 2011, , .		5
56	Heterogeneity of Altered Cytokine Levels Across the Clinical Spectrum of Diabetes in China. Diabetes Care, 2011, 34, 1639-1641.	8.6	44
57	Complete Genome Sequence of a Yersinia enterocolitica "Old World"(3/O:9) Strain and Comparison with the "New World"(1B/O:8) Strain. Journal of Clinical Microbiology, 2011, 49, 1251-1259.	3.9	49
58	RPPK modulation with high data rates. Science China Information Sciences, 2010, 53, 344-354.	4.3	6
59	Partial cooperative spectrum sensing schedule in cognitive network. Science in China Series F: Information Sciences, 2009, 52, 2332-2341.	1.1	3
60	PPBSP circular correlation based channel estimation for CP-OFDM systems. , 2009, , .		0
61	A Novel Active Spectrum Sensing Scheme for Cognitive MB-OFDM UWB Radio. , 2008, , .		2
62	Detection Fusion by Hierarchy Rule for Cognitive Radio. , 2008, , .		3
63	Architecture for Next-Generation Reconfigurable Wireless Networks using Cognitive Radio. , 2008, , .		3
64	Improving spectrum sensing by counting rules for cognitive radio. , 2008, , .		1
65	Spectrum-aware Location-based Routing in Cognitive UWB network. , 2008, , .		6
66	Decision Fusion of Cooperative Spectrum Sensing for Cognitive Radio under Bandwidth Constraints. , 2008, , .		8