

Jian Lv

List of Publications by Year in descending order

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71
papers

3,367
citations

136950

32
h-index

149698

56
g-index

71
all docs

71
docs citations

71
times ranked

4301
citing authors

#	ARTICLE	IF	CITATIONS
1	Report on the sixth blind test of organic crystal structure prediction methods. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 439-459.	1.1	445
2	Sweat-based wearable energy harvesting-storage hybrid textile devices. <i>Energy and Environmental Science</i> , 2018, 11, 3431-3442.	30.8	196
3	Cagelike Diamondoid Nitrogen at High Pressures. <i>Physical Review Letters</i> , 2012, 109, 175502.	7.8	176
4	A self-sustainable wearable multi-modular E-textile bioenergy microgrid system. <i>Nature Communications</i> , 2021, 12, 1542.	12.8	164
5	Stretchable and Flexible Buckypaper-Based Lactate Biofuel Cell for Wearable Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1905785.	14.9	132
6	Gegen Qinlian decoction enhances the effect of PD-1 blockade in colorectal cancer with microsatellite stability by remodelling the gut microbiota and the tumour microenvironment. <i>Cell Death and Disease</i> , 2019, 10, 415.	6.3	121
7	TNF- α /HMGB1 inflammation signalling pathway regulates pyroptosis during liver failure and acute kidney injury. <i>Cell Proliferation</i> , 2020, 53, e12829.	5.3	115
8	Facile synthesis of novel CuO/Cu ₂ O nanosheets on copper foil for high sensitive nonenzymatic glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 630-638.	7.8	113
9	Stretchable, Breathable, and Stable Lead-Free Perovskite/Polymer Nanofiber Composite for Hybrid Triboelectric and Piezoelectric Energy Harvesting. <i>Advanced Materials</i> , 2022, 34, e2200042.	21.0	108
10	Breathable Nanogenerators for an On-Plant Self-Powered Sustainable Agriculture System. <i>ACS Nano</i> , 2021, 15, 5307-5315.	14.6	99
11	Liquid Metal Based Island-Bridge Architectures for All Printed Stretchable Electrochemical Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2002041.	14.9	95
12	A sensitive electrochemical nonenzymatic biosensor for the detection of H ₂ O ₂ released from living cells based on ultrathin concave Ag nanosheets. <i>Biosensors and Bioelectronics</i> , 2018, 106, 29-36.	10.1	88
13	Mechanically interlocked stretchable nanofibers for multifunctional wearable triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 78, 105358.	16.0	88
14	Nanoparticle-aggregated CuO nanoellipsoids for high-performance non-enzymatic glucose detection. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10073.	10.3	80
15	Sustainable wearable energy storage devices self-charged by human-body bioenergy. <i>SusMat</i> , 2021, 1, 285-302.	14.9	60
16	The role of hydrogen sulfide in plant alleviates heavy metal stress. <i>Plant and Soil</i> , 2020, 449, 1-10.	3.7	58
17	Structural Innovations in Printed, Flexible, and Stretchable Electronics. <i>Advanced Materials Technologies</i> , 2020, 5, .	5.8	57
18	Moderate ammonium:nitrate alleviates low light intensity stress in mini Chinese cabbage seedling by regulating root architecture and photosynthesis. <i>Scientia Horticulturae</i> , 2015, 186, 143-153.	3.6	55

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19	A two-dimensional TiB ₄ monolayer exhibits planar octacoordinate Ti. <i>Nanoscale</i> , 2017, 9, 17983-17990.	5.6	50
20	Intestinal microbiota impact sepsis associated encephalopathy via the vagus nerve. <i>Neuroscience Letters</i> , 2018, 662, 98-104.	2.1	50
21	Printable elastomeric electrodes with sweat-enhanced conductivity for wearables. <i>Science Advances</i> , 2021, 7, .	10.3	50
22	Natural Polymer in Soft Electronics: Opportunities, Challenges, and Future Prospects. <i>Advanced Materials</i> , 2022, 34, e2105020.	21.0	49
23	Noninvasive Transdermal Delivery System of Lidocaine Using an Acoustic Droplet Vaporization Based Wearable Patch. <i>Small</i> , 2018, 14, e1803266.	10.0	47
24	Wearable Biosupercapacitor: Harvesting and Storing Energy from Sweat. <i>Advanced Functional Materials</i> , 2021, 31, 2102915.	14.9	47
25	Facile Wearable Vapor/Liquid Amphibious Methanol Sensor. <i>ACS Sensors</i> , 2019, 4, 152-160.	7.8	41
26	Wearable, stable, highly sensitive hydrogel-graphene strain sensors. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 475-480.	2.8	38
27	Yolk-shell Cu ₂ O@CuO decorated RGO for High-Performance Lithium-Ion Battery Anode. <i>Energy and Environmental Materials</i> , 2022, 5, 253-260.	12.8	37
28	Surfactant-free synthesis of Cu ₂ O yolk-shell cubes decorated with Pt nanoparticles for enhanced H ₂ O ₂ detection. <i>Chemical Communications</i> , 2018, 54, 8458-8461.	4.1	36
29	Ionic covalent organic framework based electrolyte for fast-response ultra-low voltage electrochemical actuators. <i>Nature Communications</i> , 2022, 13, 390.	12.8	36
30	Facet-dependent nonenzymatic glucose sensing properties of Cu ₂ O cubes and octahedra. <i>New Journal of Chemistry</i> , 2016, 40, 6573-6576.	2.8	35
31	Highly Stable Battery Pack via Insulated, Reinforced, Buckling-Enabled Interconnect Array. <i>Small</i> , 2018, 14, e1800938.	10.0	35
32	Stable Lithium Argon compounds under high pressure. <i>Scientific Reports</i> , 2015, 5, 16675.	3.3	34
33	Facile hydroxyl-assisted synthesis of morphological Cu ₂ O architectures and their shape-dependent photocatalytic performances. <i>New Journal of Chemistry</i> , 2014, 38, 4656-4660.	2.8	30
34	Appropriate NH ₄ ⁺ : NO ₃ ⁻ ratio improves low light tolerance of mini Chinese cabbage seedlings. <i>BMC Plant Biology</i> , 2017, 17, 22.	3.6	30
35	Artesunate may inhibit liver fibrosis via the FAK/Akt/β-catenin pathway in LX-2 cells. <i>BMC Pharmacology & Toxicology</i> , 2018, 19, 64.	2.4	28
36	Template-synthesis of hierarchical CuO nanoflowers constructed by ultrathin nanosheets and their application for non-enzymatic glucose detection. <i>Materials Letters</i> , 2018, 219, 134-137.	2.6	27

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37	CuO ultrathin nanosheets decorated reduced graphene oxide as a high performance anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 805, 355-362.	5.5	27
38	Inter-embedded Au-Cu ₂ O heterostructure for the enhanced hydrogen production from water splitting under the visible light. <i>Chemical Engineering Journal</i> , 2021, 405, 126709.	12.7	27
39	Exotic Hydrogen Bonding in Compressed Ammonia Hydrides. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2761-2766.	4.6	25
40	Characterization of a novel water tape containing (H ₂ O) ₁₈ clusters. <i>Inorganic Chemistry Communication</i> , 2006, 9, 691-694.	3.9	24
41	Cellular hnRNP A1 Interacts with Nucleocapsid Protein of Porcine Epidemic Diarrhea Virus and Impairs Viral Replication. <i>Viruses</i> , 2018, 10, 127.	3.3	23
42	Zinc ion mediated synthesis of cuprous oxide crystals for non-enzymatic glucose detection. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8686-8694.	5.8	21
43	Hub Genes and Key Pathway Identification in Colorectal Cancer Based on Bioinformatic Analysis. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	21
44	Exogenous Si Alleviation of Autotoxicity in Cucumber (<i>Cucumis sativus</i> L.) Seed Germination is Correlated with Changes in Carbohydrate Metabolism. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 784-793.	5.1	19
45	Association between tooth loss and dementia among older people: a meta-analysis. <i>International Journal of Geriatric Psychiatry</i> , 2016, 31, 953-955.	2.7	18
46	Molecular-Level Methylcellulose/MXene Hybrids with Greatly Enhanced Electrochemical Actuation. <i>Advanced Materials</i> , 2022, 34, e2200660.	21.0	18
47	Cu ₂ O Heterogeneous Architecture for the Enhanced CO Catalytic Oxidation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901643.	3.7	17
48	Transcriptome Analysis Reveals the Different Response to Toxic Stress in Rootstock Grafted and Non-Grafted Cucumber Seedlings. <i>International Journal of Molecular Sciences</i> , 2020, 21, 774.	4.1	17
49	Novel structures of oxygen adsorbed on a Zr(0001) surface predicted from first principles. <i>Applied Surface Science</i> , 2017, 393, 422-427.	6.1	13
50	Controllable in situ Synthesis of Cu ₂ O Heterostructures with Enhanced Visible Light Photocatalytic Activity. <i>ChemistrySelect</i> , 2018, 3, 10641-10645.	1.5	13
51	Thermal and frictional properties of mesoporous silica SBA-15/phenolic resin nanocomposites. <i>Polymer Composites</i> , 2017, 38, E351.	4.6	12
52	The brain effects of laser acupuncture at thirteen ghost acupoints in healthy individuals: A resting-state functional MRI investigation. <i>Computerized Medical Imaging and Graphics</i> , 2016, 54, 48-54.	5.8	11
53	Morphometry analysis of basal ganglia structures in children with obstructive sleep apnea. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 93-99.	1.0	10
54	Associations of the IL-17A rs2275913 and IL-17F rs763780 polymorphisms with the risk of digestive system neoplasms: A meta-analysis. <i>International Immunopharmacology</i> , 2019, 67, 248-259.	3.8	10

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55	One-pot synthesis of ultrafine Ag-hydrogel composites with enhanced catalytic reduction of 4-nitrophenol. <i>Materials Letters</i> , 2019, 236, 530-533.	2.6	10
56	Effects of PHA-665752 and vemurafenib combination treatment on in vitro and murine xenograft growth of human colorectal cancer cells with BRAFV600E mutations. <i>Oncology Letters</i> , 2018, 15, 3904-3910.	1.8	9
57	Robust icephobic epoxy coating using maleic anhydride as a crosslinking agent. <i>Progress in Organic Coatings</i> , 2020, 142, 105561.	3.9	8
58	Promoting pepper (<i>Capsicum annuum</i>) photosynthesis via chloroplast ultrastructure and enzyme activities by optimising the ammonium to nitrate ratio. <i>Functional Plant Biology</i> , 2020, 47, 303.	2.1	8
59	Copper-templated synthesis of gold microcages for sensitive surface-enhanced Raman scattering activity. <i>RSC Advances</i> , 2014, 4, 27074-27077.	3.6	7
60	Appropriate Ammonium/Nitrate Mitigates Low Light Stress in <i>Brassica pekinensis</i> by Regulating the Nitrogen Metabolism and Expression Levels of Key Proteins. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 574-593.	5.1	7
61	Supervoxel-based statistical analysis of diffusion tensor imaging in schizotypal personality disorder. <i>NeuroImage</i> , 2017, 163, 368-378.	4.2	6
62	NOTCH1 Gene MicroRNA Target Variation and Ventricular Septal Defect Risk. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 28-35.	2.0	6
63	Ultrathin Cu ₂ O nanoflakes anchored Cu ₂ O nanoarray for high-performance non-enzymatic glucose sensor. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 583-590.	2.5	6
64	RGO@Cu ₂ O@Cu Ternary Nanocomposite for High-Performance Non-Enzymatic Glucose Detection. <i>Journal of the Electrochemical Society</i> , 2021, 168, 087503.	2.9	6
65	HER4 isoform CYT2 and its ligand NRG1III are expressed at high levels in human colorectal cancer. <i>Oncology Letters</i> , 2018, 15, 6629-6635.	1.8	4
66	Ethylene was Involved in Ca ²⁺ -Regulated Na ⁺ Homeostasis, Na ⁺ Transport and Cell Ultrastructure During Adventitious Rooting in Cucumber Explants Under Salt Stress. <i>Journal of Plant Biology</i> , 2020, 63, 311-320.	2.1	4
67	Effect of the Chinese Medicine YangZheng XiaoJi on Reducing Fatigue in Mice with Orthotopic Transplantation of Colon Cancer. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-12.	1.2	3
68	Effects of A94T and P84L Polymorphisms Within the TNF- α Gene on Proliferation and Activation of Hepatic Stellate Cells. <i>DNA and Cell Biology</i> , 2019, 38, 162-169.	1.9	3
69	A Novel MLH1 Initiation Codon Mutation (c.3G>T) in a Large Chinese Lynch Syndrome Family with Different Onset Age and mRNA Expression Level. <i>BioMed Research International</i> , 2018, 2018, 1-8.	1.9	2
70	The expression and role of PIDD in retina after optic nerve crush. <i>Journal of Molecular Histology</i> , 2020, 51, 89-97.	2.2	2
71	Effect of Ta addition on mechanical properties of 7715D titanium alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 516-520.	4.2	0