

# Rui Li

## List of Publications by Year in descending order

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109  
papers

3,616  
citations

126907

33  
h-index

168389

53  
g-index

111  
all docs

111  
docs citations

111  
times ranked

6306  
citing authors

#	ARTICLE	IF	CITATIONS
1	H3K27M induces defective chromatin spread of PRC2-mediated repressive H3K27me2/me3 and is essential for glioma tumorigenesis. <i>Nature Communications</i> , 2019, 10, 1262.	12.8	215
2	Gut microbiota-stimulated cathepsin K secretion mediates TLR4-dependent M2 macrophage polarization and promotes tumor metastasis in colorectal cancer. <i>Cell Death and Differentiation</i> , 2019, 26, 2447-2463.	11.2	182
3	Injectable stem cell-laden supramolecular hydrogels enhance in situ osteochondral regeneration via the sustained co-delivery of hydrophilic and hydrophobic chondrogenic molecules. <i>Biomaterials</i> , 2019, 210, 51-61.	11.4	179
4	Gut microbiota mediates diurnal variation of acetaminophen induced acute liver injury in mice. <i>Journal of Hepatology</i> , 2018, 69, 51-59.	3.7	178
5	Deconvolution of single-cell multi-omics layers reveals regulatory heterogeneity. <i>Nature Communications</i> , 2019, 10, 470.	12.8	156
6	Sphere-like SnO <sub>2</sub> /TiO <sub>2</sub> composites as high-performance anodes for lithium ion batteries. <i>Ceramics International</i> , 2019, 45, 13530-13535.	4.8	113
7	Approaches to Enhancing Gas Sensing Properties: A Review. <i>Sensors</i> , 2019, 19, 1495.	3.8	97
8	<i>Salvia miltiorrhiza</i> in diabetes: A review of its pharmacology, phytochemistry, and safety. <i>Phytomedicine</i> , 2019, 58, 152871.	5.3	93
9	Targeting Myeloid-derived Suppressor Cells and Programmed Death Ligand 1 Confers Therapeutic Advantage of Ablative Hypofractionated Radiation Therapy Compared With Conventional Fractionated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 74-87.	0.8	82
10	A two-circular RNA signature as a noninvasive diagnostic biomarker for lung adenocarcinoma. <i>Journal of Translational Medicine</i> , 2019, 17, 50.	4.4	81
11	A modified kinetic analysis method of cellulose pyrolysis based on TG-FTIR technique. <i>Thermochimica Acta</i> , 2018, 665, 20-27.	2.7	76
12	TFAP2C- and p63-Dependent Networks Sequentially Rearrange Chromatin Landscapes to Drive Human Epidermal Lineage Commitment. <i>Cell Stem Cell</i> , 2019, 24, 271-284.e8.	11.1	76
13	Controlling a Nanowire Spin-Orbit Qubit via Electric-Dipole Spin Resonance. <i>Physical Review Letters</i> , 2013, 111, 086805.	7.8	64
14	Clinical surrogate markers for predicting metabolic syndrome in middle-aged and elderly Chinese. <i>Journal of Diabetes Investigation</i> , 2018, 9, 411-418.	2.4	61
15	Conformational manipulation of scale-up prepared single-chain polymeric nanogels for multiscale regulation of cells. <i>Nature Communications</i> , 2019, 10, 2705.	12.8	60
16	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. <i>Cell Reports</i> , 2019, 27, 3124-3138.e13.	6.4	58
17	Ultrathin Trilayer Assemblies as Long-Lived Barriers against Water and Ion Penetration in Flexible Bioelectronic Systems. <i>ACS Nano</i> , 2018, 12, 10317-10326.	14.6	57
18	Polydatin attenuates diet-induced nonalcoholic steatohepatitis and fibrosis in mice. <i>International Journal of Biological Sciences</i> , 2018, 14, 1411-1425.	6.4	55

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19	Environmental impact comparison of typical and resource-efficient biomass fast pyrolysis systems based on LCA and Aspen Plus simulation. <i>Journal of Cleaner Production</i> , 2019, 231, 254-267.	9.3	55
20	Foot massage evokes oxytocin release and activation of orbitofrontal cortex and superior temporal sulcus. <i>Psychoneuroendocrinology</i> , 2019, 101, 193-203.	2.7	53
21	A Novel Power-Voltage Control Strategy for the Grid-Tied Inverter to Raise the Rated Power Injection Level in a Weak Grid. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018, 6, 219-232.	5.4	52
22	Li/K mixed superconcentrated aqueous electrolyte enables high-performance hybrid aqueous supercapacitors. <i>Energy Storage Materials</i> , 2019, 20, 373-379.	18.0	46
23	An In Situ Reversible Heterodimeric Nanoswitch Controlled by Metal-Ligand Coordination Regulates the Mechanosensing and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2018, 30, e1803591.	21.0	44
24	Unveiling the Pyrolysis Mechanisms of Hemicellulose: Experimental and Theoretical Studies. <i>Energy &amp; Fuels</i> , 2019, 33, 4352-4360.	5.1	44
25	Elevated mRNA Levels of AURKA, CDC20 and TPX2 are associated with poor prognosis of smoking related lung adenocarcinoma using bioinformatics analysis. <i>International Journal of Medical Sciences</i> , 2018, 15, 1676-1685.	2.5	43
26	Controllable exchange coupling between two singlet-triplet qubits. <i>Physical Review B</i> , 2012, 86, .	3.2	42
27	Efficacy and safety of enucleation vs. resection of prostate for treatment of benign prostatic hyperplasia: a meta-analysis of randomized controlled trials. <i>Prostate Cancer and Prostatic Diseases</i> , 2019, 22, 493-508.	3.9	42
28	The spatiotemporal variation and key factors of SO <sub>2</sub> in 336 cities across China. <i>Journal of Cleaner Production</i> , 2019, 210, 602-611.	9.3	42
29	Porous size dependent g-C <sub>3</sub> N <sub>4</sub> for efficient photocatalysts: Regulation synthesizes and physical mechanism. <i>Materials Today Energy</i> , 2019, 13, 11-21.	4.7	41
30	Targeted delivery of intranasally administered nanoparticles-mediated neuroprotective peptide NR2B9c to brain and neuron for treatment of ischemic stroke. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 380-390.	3.3	39
31	Freezing Responses in DMSO-Based Cryopreservation of Human iPS Cells: Aggregates Versus Single Cells. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 289-299.	2.1	38
32	Anisotropic Nanoscale Presentation of Cell Adhesion Ligand Enhances the Recruitment of Diverse Integrins in Adhesion Structures and Mechanosensing-Dependent Differentiation of Stem Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806822.	14.9	38
33	Use of a three-dimensional printed polylactide-coglycolide/tricalcium phosphate composite scaffold incorporating magnesium powder to enhance bone defect repair in rabbits. <i>Journal of Orthopaedic Translation</i> , 2019, 16, 62-70.	3.9	36
34	Interfacial Interactions of Sucrose during Cryopreservation Detected by Raman Spectroscopy. <i>Langmuir</i> , 2019, 35, 7388-7395.	3.5	36
35	Associations of Exposure to Air Pollution with Insulin Resistance: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2593.	2.6	35
36	Impact of deamidation on gliadin-based nanoparticle formation and curcumin encapsulation. <i>Journal of Food Engineering</i> , 2019, 260, 30-39.	5.2	34

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37	Dietary L-theanine alleviated lipopolysaccharide-induced immunological stress in yellow-feathered broilers. <i>Animal Nutrition</i> , 2018, 4, 265-272.	5.1	32
38	Comparing Human-Robot Proxemics Between Virtual Reality and the Real World. , 2019, , .		32
39	The thioredoxin reductase inhibitor auranofin induces heme oxygenase-1 in lung epithelial cells via Nrf2-dependent mechanisms. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L545-L552.	2.9	29
40	Efficacy of low-intensity extracorporeal shock wave therapy for the treatment of chronic prostatitis/chronic pelvic pain syndrome: A systematic review and meta-analysis. <i>Neurourology and Urodynamics</i> , 2019, 38, 1457-1466.	1.5	29
41	Effect of Zn doping concentration on optical band gap of PbS thin films. <i>Journal of Alloys and Compounds</i> , 2019, 792, 1000-1007.	5.5	29
42	Stabilization of Hypoxia Inducible Factor-1 $\alpha$ by Dimethylallylglycine Promotes Recovery from Acute Spinal Cord Injury by Inhibiting Neural Apoptosis and Enhancing Axon Regeneration. <i>Journal of Neurotrauma</i> , 2019, 36, 3394-3409.	3.4	28
43	Precise segmentation of densely interweaving neuron clusters using G-Cut. <i>Nature Communications</i> , 2019, 10, 1549.	12.8	28
44	Selenium supplementation of lung epithelial cells enhances nuclear factor E2-related factor 2 (Nrf2) activation following thioredoxin reductase inhibition. <i>Redox Biology</i> , 2018, 19, 331-338.	9.0	25
45	Formation features of nitrous acid in the offshore area of the East China Sea. <i>Science of the Total Environment</i> , 2019, 682, 138-150.	8.0	25
46	Stretchable and Bioadhesive Supramolecular Hydrogels Activated by a One-Stone-Two-Bird Postgelation Functionalization Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16328-16335.	8.0	25
47	Quantitative assessment of the intracranial vasculature in an older adult population using iCafe. <i>Neurobiology of Aging</i> , 2019, 79, 59-65.	3.1	25
48	Combination of berberine and ciprofloxacin reduces multi-resistant Salmonella strain biofilm formation by depressing mRNA expressions of luxS, rpoE, and ompR. <i>Journal of Veterinary Science</i> , 2018, 19, 808.	1.3	24
49	Reduction of cellular stress is essential for Fibroblast growth factor 1 treatment for diabetic nephropathy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6294-6303.	3.6	24
50	Assessing the impact of long-term changes in climate and atmospheric deposition on a shallow alpine lake from southeast Tibet. <i>Science of the Total Environment</i> , 2019, 650, 713-724.	8.0	24
51	Preparation, microstructure, properties and foaming mechanism of a foamed ceramics with high closed porosity. <i>Ceramics International</i> , 2019, 45, 11982-11988.	4.8	23
52	Assessment of myoblast circular RNA dynamics and its correlation with miRNA during myogenic differentiation. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 99, 211-218.	2.8	22
53	Long sleep duration predicts a higher risk of obesity in adults: a meta-analysis of prospective cohort studies. <i>Journal of Public Health</i> , 2019, 41, e158-e168.	1.8	22
54	Derivation of salt content in salinized soil from hyperspectral reflectance data: A case study at Minqin Oasis, Northwest China. <i>Journal of Arid Land</i> , 2019, 11, 111-122.	2.3	22

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55	Porcine reproductive and respiratory syndrome virus induces interleukin-1 $\beta$ through MyD88/ERK/AP-1 and NLRP3 inflammasome in microglia. <i>Veterinary Microbiology</i> , 2018, 227, 82-89.	1.9	21
56	Response to treatment schedules after the first antiepileptic drug failed. <i>Epilepsia</i> , 2018, 59, 2118-2124.	5.1	20
57	Alanine-Scanning Mutagenesis of $\beta$ -Conotoxin GI Reveals the Residues Crucial for Activity at the Muscle Acetylcholine Receptor. <i>Marine Drugs</i> , 2018, 16, 507.	4.6	19
58	Novel high-performance Si-SiO <sub>2</sub> @Fe/C composite anodes from low-cost and industrial AlSiFe alloy powders. <i>Solid State Ionics</i> , 2019, 337, 42-46.	2.7	18
59	Thioredoxin Reductase-1 Inhibition Augments Endogenous Glutathione-Dependent Antioxidant Responses in Experimental Bronchopulmonary Dysplasia. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	4.0	17
60	Hepatocyte-specific Sirt6 deficiency impairs ketogenesis. <i>Journal of Biological Chemistry</i> , 2019, 294, 1579-1589.	3.4	17
61	Spin-orbit coupling and electric-dipole spin resonance in a nanowire double quantum dot. <i>Scientific Reports</i> , 2018, 8, 2302.	3.3	16
62	Efficient and rapid removal of EDTA-chelated Pb(II) by the Fe(III)/flue gas desulfurization gypsum (FGDG) system. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 379-386.	9.4	16
63	TiO <sub>2</sub> nanpillar arrays coated with gelatin film for efficient capture and undamaged release of circulating tumor cells. <i>Nanotechnology</i> , 2019, 30, 335101.	2.6	16
64	Overexpressing broccoli tryptophan biosynthetic genes BoTSB1 and BoTSB2 promotes biosynthesis of IAA and indole glucosinolates. <i>Physiologia Plantarum</i> , 2020, 168, 174-187.	5.2	16
65	Simultaneous oxidation of Hg <sup>0</sup> and NH <sub>3</sub> -SCR of NO by nanophase Ce <sub>x</sub> Zr <sub>y</sub> Mn <sub>z</sub> O <sub>2</sub> at low temperature: the interaction and mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14471-14485.	5.3	15
66	Fibrillin-2 is a key mediator of smooth muscle extracellular matrix homeostasis during mouse tracheal tubulogenesis. <i>European Respiratory Journal</i> , 2019, 53, 1800840.	6.7	15
67	Anisotropic exchange coupling in a nanowire double quantum dot with strong spin-orbit coupling. <i>Physical Review B</i> , 2014, 90, .	3.2	14
68	Multiscale reconstruction of a synthetic biomimetic micro-niche for enhancing and monitoring the differentiation of stem cells. <i>Biomaterials</i> , 2018, 173, 87-99.	11.4	14
69	Hydrophobic Patterning-Based 3D Microfluidic Cell Culture Assay. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800122.	7.6	14
70	Protective effects of probiotics on acute alcohol-induced liver injury in mice through alcohol metabolizing enzymes activation and hepatic TNF- $\alpha$ response reduction. <i>Journal of Functional Foods</i> , 2019, 59, 234-241.	3.4	14
71	Nonperturbative stochastic dynamics driven by strongly correlated colored noise. <i>Physical Review A</i> , 2015, 91, .	2.5	13
72	Terahertz irradiation-induced motility enhancement and intracellular calcium elevation in human sperm in vitro. <i>Biomedical Optics Express</i> , 2018, 9, 3998.	2.9	13

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73	Association of matrix metalloprotease 1, 3, and 12 polymorphisms with rheumatic heart disease in a Chinese Han population. <i>BMC Medical Genetics</i> , 2018, 19, 27.	2.1	12
74	Value of Contrast-enhanced Ultrasound in the Diagnosis of Renal Cancer and in Comparison With Contrast-enhanced Computed Tomography: A Meta-analysis. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 903-914.	1.7	12
75	Genome-wide analysis of the MYB-CC gene family of maize. <i>Genetica</i> , 2019, 147, 1-9.	1.1	12
76	The impacts of the quantum-dot confining potential on the spin-orbit effect. <i>Scientific Reports</i> , 2018, 8, 7400.	3.3	11
77	Enhancing the secrecy performance of the spatial modulation aided VLC systems with optical jamming. <i>Signal Processing</i> , 2019, 157, 288-302.	3.7	11
78	Grain size and hydroxyl-coverage dependent tribology of polycrystalline graphene. <i>Nanotechnology</i> , 2019, 30, 385701.	2.6	10
79	Carbon Nanotubes Enhance the Radiation Resistance of bcc Iron Revealed by Atomistic Study. <i>Materials</i> , 2019, 12, 217.	2.9	10
80	Analysis of bisabolocurcumin ether (a terpene-conjugated curcuminoid) and three curcuminoids in Curcuma species from different regions by UPLC-ESI MS/MS and their in vitro anti-inflammatory activities. <i>Journal of Functional Foods</i> , 2019, 52, 186-195.	3.4	10
81	Psychiatric stressor recognition from clinical notes to reveal association with suicide. <i>Health Informatics Journal</i> , 2019, 25, 1846-1862.	2.1	10
82	A spin dephasing mechanism mediated by the interplay between the spin-orbit coupling and the asymmetrical confining potential in a semiconductor quantum dot. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 395304.	1.8	9
83	Fabrication and electromagnetic wave absorption performance of quartz ceramics containing inductive SiC screens. <i>Ceramics International</i> , 2019, 45, 13561-13566.	4.8	9
84	Mixed micelles loaded with the 5-benzylidenethiazolidine-2,4-dione derivative SKLB023 for efficient treatment of non-alcoholic steatohepatitis. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3943-3953.	6.7	7
85	Liver-specific Sirtuin6 ablation impairs liver regeneration after 2/3 partial hepatectomy. <i>Wound Repair and Regeneration</i> , 2019, 27, 366-374.	3.0	7
86	Charge noise induced spin dephasing in a nanowire double quantum dot with spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 025305.	1.8	7
87	Low-energy subband wave-functions and effective g-factor of one-dimensional hole gas. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 355302.	1.8	7
88	Searching strong spin-orbit coupled one-dimensional hole gas in strong magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 075301.	1.8	7
89	Energy spectrum, the spin polarization, and the optical selection rules of the Kronig-Penney superlattice model with spin-orbit coupling. <i>Physical Review B</i> , 2018, 97, .	3.2	6
90	Low-temperature co-purification of NOx and Hg0 from simulated flue gas by CexZryMnzO2/r-Al2O3: the performance and its mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20575-20590.	5.3	5

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91	Isobaric Vapor-Liquid Equilibrium Measurements for Separation of Azeotrope (Methanol + Methyl Tertiarybutyl Ether) <i>J. Chem. Eng. Data</i> , 2019, 64, 1388-1394.	1.9	3
92	Characteristics of chondroid lipoma. <i>Medicine (United States)</i> , 2019, 98, e15587.	1.0	4
93	Preventive effects of nerve growth factor against colistin-induced autophagy and apoptosis in PC12 cells. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 177-186.	2.7	4
94	KIBRA polymorphism modulates gray matter volume to influence cognitive ability in the elderly. <i>Brain Imaging and Behavior</i> , 2020, 14, 1388-1394.	2.1	4
95	Hyperfine interaction mediated electric-dipole spin resonance: the role of frequency modulation. <i>Physica Scripta</i> , 2016, 91, 055801.	2.5	3
96	The CD163 long-range scavenger receptor cysteine-rich repeat: expression, purification and X-ray crystallographic characterization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 322-326.	0.8	3
97	Assessment of longwave radiative effect of nighttime cirrus based on CloudSat and CALIPSO measurements and single-column radiative transfer simulations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 221, 87-97.	2.3	3
98	Functional characterization of <i>Cynoglossus semilaevis</i> R-spondin2 and its role in muscle development during embryogenesis. <i>Genes and Genetic Systems</i> , 2018, 93, 181-190.	0.7	3
99	SKLB023 as an iNOS inhibitor alleviated liver fibrosis by inhibiting the TGF-beta/Smad signaling pathway. <i>RSC Advances</i> , 2018, 8, 30919-30924.	3.6	3
100	Preoperative percutaneous arthrography provides detailed information for treatment of Wassel type IV thumb duplication. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018, 71, 1717-1722.	1.0	3
101	Acetaminophen-induced reduction in glutathione-S-transferase A1 in hepatocytes: A role for hepatic nuclear factor $\kappa$ B and its response element. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 251-257.	2.1	3
102	Spin manipulation and spin dephasing in quantum dot integrated with a slanting magnetic field. <i>Physica Scripta</i> , 2019, 94, 085808.	2.5	3
103	Learning Driven Mobility Control of Airborne Base Stations in Emergency Networks. <i>Performance Evaluation Review</i> , 2019, 46, 163-166.	0.6	3
104	The mechanisms of electric-dipole spin resonance in quasi-one-dimensional semiconductor quantum dot. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 167303.	0.5	3
105	The Key Genes of Chronic Pancreatitis which Bridge Chronic Pancreatitis and Pancreatic Cancer Can be Therapeutic Targets. <i>Pathology and Oncology Research</i> , 2018, 24, 215-222.	1.9	2
106	Spin-relaxation anisotropy in a nanowire quantum dot with strong spin-orbit coupling. <i>AIP Advances</i> , 2018, 8, 075115.	1.3	2
107	Anomalous external-magnetic-field dependence of dephasing in a spin bath. <i>Physical Review A</i> , 2012, 86, .	2.5	1
108	Joint User Association and Energy Offloading in Downlink Heterogeneous Cellular Networks. <i>Mobile Information Systems</i> , 2018, 2018, 1-9.	0.6	1

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109	Structural determination of group A Streptococcal surface dehydrogenase and characterization of its interaction with urokinase-type plasminogen activator receptor. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 539-544.	2.1	0