

Xin Zhiguo Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/862808/publications.pdf>

Version: 2024-02-01

107
papers

6,367
citations

101535

36
h-index

76898

74
g-index

112
all docs

112
docs citations

112
times ranked

10613
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm tsRNAs contribute to intergenerational inheritance of an acquired metabolic disorder. <i>Science</i> , 2016, 351, 397-400.	12.6	1,042
2	Opposite Roles of Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Transcriptional Regulation of Plant Immunity. <i>Cell</i> , 2018, 173, 1454-1467.e15.	28.9	510
3	An Ancient Transcription Factor Initiates the Burst of piRNA Production during Early Meiosis in Mouse Testes. <i>Molecular Cell</i> , 2013, 50, 67-81.	9.7	322
4	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. <i>Nature Cell Biology</i> , 2018, 20, 535-540.	10.3	302
5	Cactus-Like NiCoP/NiCoOH 3D Architecture with Tunable Composition for High-Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1800036.	14.9	274
6	The paraventricular thalamus is a critical thalamic area for wakefulness. <i>Science</i> , 2018, 362, 429-434.	12.6	225
7	Mouse Pachytene Checkpoint 2 (Trip13) Is Required for Completing Meiotic Recombination but Not Synapsis. <i>PLoS Genetics</i> , 2007, 3, e130.	3.5	205
8	Contour Knowledge Transfer for Salient Object Detection. <i>Lecture Notes in Computer Science</i> , 2018, , 370-385.	1.3	171
9	Review on design and evaluation of environmental photocatalysts. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	170
10	Integrating priority areas and ecological corridors into national network for conservation planning in China. <i>Science of the Total Environment</i> , 2018, 626, 22-29.	8.0	144
11	High-flux thin film composite membranes for nanofiltration mediated by a rapid co-deposition of polydopamine/piperazine. <i>Journal of Membrane Science</i> , 2018, 554, 97-108.	8.2	131
12	Comprehensive circular RNA profiles in plasma reveals that circular RNAs can be used as novel biomarkers for systemic lupus erythematosus. <i>Clinica Chimica Acta</i> , 2018, 480, 17-25.	1.1	90
13	Multiparametric ultrasomics of significant liver fibrosis: A machine learning-based analysis. <i>European Radiology</i> , 2019, 29, 1496-1506.	4.5	90
14	Low-Temperature Solution-Processed ZnSe Electron Transport Layer for Efficient Planar Perovskite Solar Cells with Negligible Hysteresis and Improved Photostability. <i>ACS Nano</i> , 2018, 12, 5605-5614.	14.6	89
15	Crystal structure of a membrane-bound O-acyltransferase. <i>Nature</i> , 2018, 562, 286-290.	27.8	87
16	Digital anthropometry: a critical review. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 680-687.	2.9	84
17	Targeting the upstream transcriptional activator of PD-L1 as an alternative strategy in melanoma therapy. <i>Oncogene</i> , 2018, 37, 4941-4954.	5.9	83
18	A Sensitive and Wide Coverage Ambient Mass Spectrometry Imaging Method for Functional Metabolites Based Molecular Histology. <i>Advanced Science</i> , 2018, 5, 1800250.	11.2	82

#	ARTICLE	IF	CITATIONS
19	Degradation of major allergens and allergenicity reduction of soybean meal through solid-state fermentation with microorganisms. <i>Food and Function</i> , 2018, 9, 1899-1909.	4.6	78
20	G3BP1 promotes tumor progression and metastasis through IL-6/G3BP1/STAT3 signaling axis in renal cell carcinomas. <i>Cell Death and Disease</i> , 2018, 9, 501.	6.3	74
21	Zinc oxide/silver bimetallic nanoencapsulated in PVP/PCL nanofibres for improved antibacterial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1248-1257.	2.8	69
22	Natural products targeting the p53-MDM2 pathway and mutant p53: Recent advances and implications in cancer medicine. <i>Genes and Diseases</i> , 2018, 5, 204-219.	3.4	66
23	Methanol-to-olefin conversion on 3D-printed ZSM-5 monolith catalysts: Effects of metal doping, mesoporosity and acid strength. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 1-12.	4.4	64
24	Spread of MCR-3 Colistin Resistance in China: An Epidemiological, Genomic and Mechanistic Study. <i>EBioMedicine</i> , 2018, 34, 139-157.	6.1	61
25	Cbl Ubiquitin Ligases Control B Cell Exit from the Germinal-Center Reaction. <i>Immunity</i> , 2018, 48, 530-541.e6.	14.3	58
26	Sulforaphane induces autophagy by inhibition of HDAC6-mediated PTEN activation in triple negative breast cancer cells. <i>Life Sciences</i> , 2018, 213, 149-157.	4.3	57
27	Arabidopsis <i>UBC13</i> differentially regulates two programmed cell death pathways in responses to pathogen and low temperature stress. <i>New Phytologist</i> , 2019, 221, 919-934.	7.3	56
28	Estradiol protection against toxic effects of catecholamine on electrical properties in human-induced pluripotent stem cell derived cardiomyocytes. <i>International Journal of Cardiology</i> , 2018, 254, 195-202.	1.7	55
29	BIGGER ORGANS and ELEPHANT EAR-LIKE LEAF1 control organ size and floral organ internal asymmetry in pea. <i>Journal of Experimental Botany</i> , 2019, 70, 179-191.	4.8	55
30	Domestic chickens activate a piRNA defense against avian leukosis virus. <i>ELife</i> , 2017, 6, .	6.0	46
31	Phloem Unloading Strategies and Mechanisms in Crop Fruits. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 494-500.	5.1	43
32	Single-molecule long-read sequencing reveals a conserved intact long RNA profile in sperm. <i>Nature Communications</i> , 2021, 12, 1361.	12.8	43
33	SMURF1 facilitates estrogen receptor α signaling in breast cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 24.	8.6	42
34	A single exercise bout and locomotor learning after stroke: physiological, behavioural, and computational outcomes. <i>Journal of Physiology</i> , 2018, 596, 1999-2016.	2.9	40
35	Freshly-mixed and setting calcium-silicate cements stimulate human dental pulp cells. <i>Dental Materials</i> , 2018, 34, 797-808.	3.5	40
36	Numerical simulation and exploration of electrocoagulation process for arsenic and antimony removal: Electric field, flow field, and mass transfer studies. <i>Journal of Environmental Management</i> , 2018, 228, 336-345.	7.8	40

#	ARTICLE	IF	CITATIONS
37	The TRPM2 channel nexus from oxidative damage to Alzheimer's pathologies: An emerging novel intervention target for age-related dementia. <i>Ageing Research Reviews</i> , 2018, 47, 67-79.	10.9	39
38	Flexible asymmetric supercapacitor with high energy density based on optimized MnO ₂ cathode and Fe ₂ O ₃ anode. <i>Chinese Chemical Letters</i> , 2019, 30, 750-756.	9.0	39
39	STAT1 facilitates oestrogen receptor β transcription and stimulates breast cancer cell proliferation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6077-6086.	3.6	37
40	Liver X receptor β regulates the development of the dentate gyrus and autistic-like behavior in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2725-E2733.	7.1	35
41	Interactive effects of drought severity and simulated herbivory on tea (<i>Camellia sinensis</i>) volatile and non-volatile metabolites. <i>Environmental and Experimental Botany</i> , 2019, 157, 283-292.	4.2	35
42	Super Charge Separation and High Voltage Phase in Na _x MnO ₂ . <i>Advanced Functional Materials</i> , 2018, 28, 1805105.	14.9	33
43	Influence of unadsorbed emulsifiers on the rheological properties and structure of heteroaggregate of whey protein isolate (WPI) coated droplets and flaxseed gum (FG) coated droplets. <i>Food Hydrocolloids</i> , 2018, 80, 42-52.	10.7	32
44	Uterine progesterone signaling is a target for metformin therapy in PCOS-like rats. <i>Journal of Endocrinology</i> , 2018, 237, 123-137.	2.6	32
45	Increased circulating regulatory T cells in medicated people with schizophrenia. <i>Psychiatry Research</i> , 2018, 269, 517-523.	3.3	31
46	Effects of flooding stress on the photosynthetic apparatus of leaves of two <i>Physocarpus</i> cultivars. <i>Journal of Forestry Research</i> , 2018, 29, 1049-1059.	3.6	30
47	Ultrasensitive colorimetric determination of silver(I) based on the peroxidase mimicking activity of a hybrid material composed of graphitic carbon nitride and platinum nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 273.	5.0	30
48	Transcriptomic and functional analysis of cucumber (<i>Cucumis sativus</i> L.) fruit phloem during early development. <i>Plant Journal</i> , 2018, 96, 982-996.	5.7	30
49	Coulombic-enhanced hetero radical pairing interactions. <i>Nature Communications</i> , 2018, 9, 1961.	12.8	30
50	Mutations in the CDS and promoter of BjuA07.CLV1 cause a multilocular trait in <i>Brassica juncea</i> . <i>Scientific Reports</i> , 2018, 8, 5339.	3.3	29
51	Determination of an optimum entrainer for extractive distillation based on an isovolatility curve at different pressures. <i>Separation and Purification Technology</i> , 2018, 201, 79-95.	7.9	29
52	Acute administration of tumour necrosis factor- β induces spontaneous calcium release via the reactive oxygen species pathway in atrial myocytes. <i>Europace</i> , 2018, 20, 1367-1374.	1.7	29
53	Synthesis of dense MoS ₂ nanosheet layers on hollow carbon spheres and their applications in supercapacitors and the electrochemical hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2198-2204.	6.0	29
54	Ribosomes guide pachytene piRNA formation on long intergenic piRNA precursors. <i>Nature Cell Biology</i> , 2020, 22, 200-212.	10.3	29

#	ARTICLE	IF	CITATIONS
55	Prevention of prostate cancer by natural product MDM2 inhibitor GS25: in vitro and in vivo activities and molecular mechanisms. <i>Carcinogenesis</i> , 2018, 39, 1026-1036.	2.8	27
56	Proteasome Inhibition with Bortezomib Induces Apoptosis of Long-Lived Plasma Cells in Steroid-Resistant or Relapsed Immune Thrombocytopaenia. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1752-1764.	3.4	26
57	Experimental tricalcium silicate cement induces reparative dentinogenesis. <i>Dental Materials</i> , 2018, 34, 1410-1423.	3.5	25
58	Comparative transcriptome analysis of Chinese grass shrimp (<i>Palaemonetes sinensis</i>) infected with isopod parasite <i>Tachaea chinensis</i> . <i>Fish and Shellfish Immunology</i> , 2018, 82, 153-161.	3.6	25
59	A critical role of the transient receptor potential melastatin 2 channel in a positive feedback mechanism for reactive oxygen species-induced delayed cell death. <i>Journal of Cellular Physiology</i> , 2019, 234, 3647-3660.	4.1	25
60	Isobaric Vapor-liquid Equilibrium for Three Binary Systems of Ethyl Acetate + Propyl Acetate, Ethyl Acetate + Propylene Carbonate, and Propyl Acetate + Propylene Carbonate at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 1588-1595.	1.9	24
61	Exogenous Brassinosteroid Enhances Plant Defense Against <i>Colletotrichum gloeosporioides</i> by Activating Phenylpropanoid Pathway in <i>Camellia sinensis</i> L. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1235-1243.	5.1	23
62	The role of posttraumatic fear and social support in the relationship between trauma severity and posttraumatic growth among adolescent survivors of the Yaan earthquake. <i>International Journal of Psychology</i> , 2018, 53, 150-156.	2.8	22
63	Comparative mRNA and miRNA expression in European mouflon (<i>Ovis musimon</i>) and sheep (<i>Ovis aries</i>) provides novel insights into the genetic mechanisms for female reproductive success. <i>Heredity</i> , 2019, 122, 172-186.	2.6	21
64	The birth of piRNAs: how mammalian piRNAs are produced, originated, and evolved. <i>Mammalian Genome</i> , 2022, 33, 293-311.	2.2	21
65	Mo _{0.5} Se _{1.5} Embedded in 2D Porous Carbon Sheets Boost Lithium Storage Performance as an Anode Material. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701604.	3.7	20
66	Self-assembled supramolecular system PDINH on TiO ₂ surface enhances hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 136-142.	9.4	20
67	An <i>in situ</i> eutectic remelting and oxide replacement reaction for superior thermoelectric performance of InSb. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17049-17056.	10.3	20
68	Mussel-Inspired Monovalent Selective Cation Exchange Membranes Containing Hydrophilic MIL53(Al) Framework for Enhanced Ion Flux. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6275-6283.	3.7	19
69	Systematic evaluation of a targeted gene capture sequencing panel for molecular diagnosis of retinitis pigmentosa. <i>PLoS ONE</i> , 2018, 13, e0185237.	2.5	19
70	Fatostatin suppresses growth and enhances apoptosis by blocking SREBP-regulated metabolic pathways in endometrial carcinoma. <i>Oncology Reports</i> , 2018, 39, 1919-1929.	2.6	19
71	High glucose forces a positive feedback loop connecting ErbB4 expression and mTOR/S6K pathway to aggravate the formation of A τ hyperphosphorylation in differentiated SH-SY5Y cells. <i>Neurobiology of Aging</i> , 2018, 67, 171-180.	3.1	18
72	$\hat{I}\pm 7$ AChR agonist GTS-21 reduces radiation-induced lung injury. <i>Oncology Reports</i> , 2018, 40, 2287-2297.	2.6	18

#	ARTICLE	IF	CITATIONS
73	Mouse macrophages capture and kill <i>Giardia lamblia</i> by means of releasing extracellular trap. <i>Developmental and Comparative Immunology</i> , 2018, 88, 206-212.	2.3	18
74	Intragenic DNA methylation in buccal epithelial cells and intellectual functioning in a paediatric cohort of males with fragile X. <i>Scientific Reports</i> , 2018, 8, 3644.	3.3	17
75	Local Hermite (LH) Method: An accurate and robust smooth technique for high-gradient strain reconstruction in digital image correlation. <i>Optics and Lasers in Engineering</i> , 2019, 112, 26-38.	3.8	17
76	Blockade of vascular endothelial growth factor receptor-1 (Flt-1), reveals a novel analgesic for osteoarthritis-induced joint pain. <i>Gene Reports</i> , 2018, 11, 94-100.	0.8	16
77	Multimodality Imaging and Endovascular Treatment Options of Subclavian Steal Syndrome. <i>Canadian Association of Radiologists Journal</i> , 2018, 69, 493-507.	2.0	15
78	Design and characterization of a synthetic minimal promoter for heterocyst-specific expression in filamentous cyanobacteria. <i>PLoS ONE</i> , 2018, 13, e0203898.	2.5	15
79	Contrast-enhanced ultrasound of the abdominal aorta – current status and future perspectives. <i>Vasa - European Journal of Vascular Medicine</i> , 2019, 48, 115-125.	1.4	15
80	Production and Identification of Inthomycin B Produced by a Deep-Sea Sediment-Derived <i>Streptomyces</i> sp. YB104 Based on Cultivation-Dependent Approach. <i>Current Microbiology</i> , 2018, 75, 942-951.	2.2	14
81	A novel sandwich enzyme-linked immunosorbent assay with covalently bound monoclonal antibody and gold probe for sensitive and rapid detection of bovine β -lactoglobulin. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3693-3703.	3.7	13
82	Coupled protein synthesis and ribosome-guided piRNA processing on mRNAs. <i>Nature Communications</i> , 2021, 12, 5970.	12.8	13
83	Heavy ion mutagenesis combined with triclosan screening provides a new strategy for improving the arachidonic acid yield in <i>Mortierella alpina</i> . <i>BMC Biotechnology</i> , 2018, 18, 23.	3.3	12
84	<i>APOE</i> influences working memory in non-demented elderly through an interaction with <i>SPON1</i> rs2618516. <i>Human Brain Mapping</i> , 2018, 39, 2859-2867.	3.6	11
85	All-trans retinoic acid induces autophagic degradation of ubiquitin-like modifier activating enzyme 3 in acute promyelocytic leukemia cells. <i>Leukemia and Lymphoma</i> , 2018, 59, 1222-1230.	1.3	11
86	Brain Network Connectivity Mediates Education-related Cognitive Performance in Healthy Elderly Adults. <i>Current Alzheimer Research</i> , 2018, 16, 19-28.	1.4	10
87	Influence of the DRD2/ANKK1 Taq1A polymorphism on caudate volume in older adults without dementia. <i>Brain Structure and Function</i> , 2018, 223, 2653-2662.	2.3	9
88	Disruption of <i>Tdrd5</i> decouples the stepwise processing of long precursor transcripts during pachytene PIWI-interacting RNA biogenesis. <i>Biology of Reproduction</i> , 2018, 99, 684-685.	2.7	9
89	Melatonin concentrations in Chinese mitten crabs (<i>Eriocheir sinensis</i>) are affected by artificial photoperiods. <i>Biological Rhythm Research</i> , 2020, 51, 362-372.	0.9	8
90	Novel rRNA-depletion methods for total RNA sequencing and ribosome profiling developed for avian species. <i>Poultry Science</i> , 2021, 100, 101321.	3.4	8

#	ARTICLE	IF	CITATIONS
91	Position prediction system based on spatio-temporal regularity of object mobility. Information Systems, 2018, 75, 43-55.	3.6	7
92	Transmission/reflection behaviors of surface plasmons at an interface between two plasmonic systems. Journal of Physics Condensed Matter, 2018, 30, 114002.	1.8	7
93	Mechanisms, origin and heredity of Glu-1A γ silencing in wheat evolution and domestication. Theoretical and Applied Genetics, 2018, 131, 1561-1575.	3.6	7
94	Neurotrophins and cholinergic enzyme regulated by calpain-2: New insights into neuronal apoptosis induced by polybrominated diphenyl ether-153. Toxicology Letters, 2018, 291, 29-38.	0.8	6
95	Homologous overexpression of NpDps2 and NpDps5 increases the tolerance for oxidative stress in the multicellular cyanobacterium Nostoc punctiforme. FEMS Microbiology Letters, 2018, 365, .	1.8	6
96	Detection of β -microglobulin epitopes in systemic lupus erythematosus using peptide microarray. Molecular Medicine Reports, 2018, 17, 6533-6541.	2.4	5
97	Shifts in the bacterial community structure and function along a vegetation gradient in the Great Xing'an Mountains. Scandinavian Journal of Forest Research, 2018, 33, 103-113.	1.4	5
98	Toward 7T breast MRI clinical study: safety assessment using simulation of heterogeneous breast models in RF exposure. Magnetic Resonance in Medicine, 2019, 81, 1307-1321.	3.0	5
99	Infiltration and Profiles of Mesoporous Silica Nanoparticles in Dental Tubules. ACS Biomaterials Science and Engineering, 2018, 4, 1428-1436.	5.2	4
100	OPERATIONAL DESIGN AND IMPROVEMENT OF CONVENTIONAL BATCH DISTILLATION AND MIDDLE-VESSEL BATCH DISTILLATION. Brazilian Journal of Chemical Engineering, 2018, 35, 769-784.	1.3	4
101	Generalized prism grid: a pillar-based unstructured grid for simulation of reservoirs with complicated geological geometries. Computational Geosciences, 2018, 22, 1561-1581.	2.4	4
102	β -glucuronidase use as a single internal control gene may confound analysis in FMR1 mRNA toxicity studies. PLoS ONE, 2018, 13, e0192151.	2.5	4
103	Editorial: Sperm Differentiation and Spermatozoa Function: Mechanisms, Diagnostics, and Treatment. Frontiers in Cell and Developmental Biology, 2020, 8, 219.	3.7	4
104	Combination Therapy of Tacrolimus and Chinese Herb Medicated Bath in Children with Inverse Psoriasis. Chinese Journal of Integrative Medicine, 2018, 24, 284-287.	1.6	3
105	What can PIWI-interacting RNA research learn from chickens, and vice versa?. Canadian Journal of Animal Science, 2019, 99, 641-648.	1.5	3
106	Understanding the interactions of different substrates with wild-type and mutant acylaminoacyl peptidase using molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 2018, 36, 4285-4302.	3.5	2
107	DOES RESERVE ACCUMULATION LEAD TO ENDOGENOUS MONEY SUPPLY IN CHINA?. Singapore Economic Review, 2018, , 1-16.	1.7	0