

Yan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

6,450
citations

117625

34
h-index

85541

71
g-index

109
all docs

109
docs citations

109
times ranked

12523
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID19db: a comprehensive database platform to discover potential drugs and targets of COVID-19 at whole transcriptomic scale. <i>Nucleic Acids Research</i> , 2022, 50, D747-D757.	14.5	27
2	Chromosomal Translocations Detection in Cancer Cells Using Chromosomal Conformation Capture Data. <i>Genes</i> , 2022, 13, 1170.	2.4	2
3	A Fast and Furious Bayesian Network and Its Application of Identifying Colon Cancer to Liver Metastasis Gene Regulatory Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1325-1335.	3.0	5
4	GENCODE 2021. <i>Nucleic Acids Research</i> , 2021, 49, D916-D923.	14.5	633
5	Pseudogene Profiling for Cancer. <i>Methods in Molecular Biology</i> , 2021, 2324, 307-317.	0.9	1
6	Family relationships and personality disorder functioning styles in paranoid schizophrenia. <i>Personality and Individual Differences</i> , 2021, 169, 109844.	2.9	0
7	Supraorbital keyhole versus pterional craniotomies for ruptured anterior communicating artery aneurysms: a propensity score-matched analysis. <i>Neurosurgical Review</i> , 2020, 43, 547-554.	2.4	22
8	Time Course of Neoangiogenesis After Indirect Bypass Surgery for Moyamoya Disease. <i>Clinical Neuroradiology</i> , 2020, 30, 91-99.	1.9	14
9	Electrocardiographic-left ventricular hypertrophy and incident stroke among Chinese hypertensive adults. <i>Journal of Human Hypertension</i> , 2020, 34, 286-292.	2.2	2
10	Intraosseous cavernous malformations of the skull: clinical characteristics and long-term surgical outcomes. <i>Neurosurgical Review</i> , 2020, 43, 231-239.	2.4	6
11	High variance of intraoperative blood pressure predicts early cerebral infarction after revascularization surgery in patients with Moyamoya disease. <i>Neurosurgical Review</i> , 2020, 43, 759-769.	2.4	15
12	The comorbidity of mental and physical disorders with self-reported chronic back or neck pain: Results from the China Mental Health Survey. <i>Journal of Affective Disorders</i> , 2020, 260, 334-341.	4.1	17
13	Synthesis and structure-insecticidal activity relationship of novel phenylpyrazole carboxylic acid derivatives containing fluorine moiety. <i>Chinese Chemical Letters</i> , 2020, 31, 739-745.	9.0	36
14	Critical windows for maternal fine particulate matter exposure and adverse birth outcomes: The Shanghai birth cohort study. <i>Chemosphere</i> , 2020, 240, 124904.	8.2	61
15	Proteomic Profiling of Purified Rabies Virus Particles. <i>Virologica Sinica</i> , 2020, 35, 143-155.	3.0	13
16	CFEA: a cell-free epigenome atlas in human diseases. <i>Nucleic Acids Research</i> , 2020, 48, D40-D44.	14.5	32
17	Prognostic and predictive role of DNA mismatch repair status in stage II colorectal cancer: A systematic review and meta-analysis. <i>Clinical Genetics</i> , 2020, 97, 25-38.	2.0	19
18	Acetylation of CBL10/SCaBP8 by PAT10 is crucial for its tonoplast association and function in salt tolerance. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 718-722.	8.5	15

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19	Innate Immune Signaling Contributes to Tubular Cell Senescence in the Glis2 Knockout Mouse Model of Nephronophthisis. <i>American Journal of Pathology</i> , 2020, 190, 176-189.	3.8	16
20	Antisolvent Crystallization of L-histidine in Micro-Channel Reactor under Microgravity. <i>Microgravity Science and Technology</i> , 2020, 32, 27-33.	1.4	3
21	Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 405-417.	6.3	15
22	Review of Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037516.	2.9	74
23	Cohesive strategy and energy conversion efficiency analysis of bio-hythane production from corncob powder by two-stage anaerobic digestion process. <i>Bioresource Technology</i> , 2020, 300, 122746.	9.6	23
24	Construction of advanced 3D Co ₃ S ₄ @PPy nanowire anchored on nickel foam for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 334, 135635.	5.2	16
25	Fine-mapping of 150 breast cancer risk regions identifies 191 likely target genes. <i>Nature Genetics</i> , 2020, 52, 56-73.	21.4	120
26	Ultrasound-Guided Radiofrequency Ablation Versus Surgery for Low-Risk Papillary Thyroid Microcarcinoma: Results of Over 5 Years' Follow-Up. <i>Thyroid</i> , 2020, 30, 408-417.	4.5	122
27	Ethane aromatization and evolution of carbon deposits over nanosized and microsized Zn/ZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 835-843.	4.1	40
28	Dynamic covalent polymers for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 489-506.	5.9	94
29	Surface-Directed Selection of Dynamic Constitutional Frameworks as an Optimized Microenvironment for Controlled Enzyme Activation. <i>ACS Catalysis</i> , 2020, 10, 1423-1427.	11.2	11
30	Computer-aided engineering of thermostabilized antibody fragments. <i>AIChE Journal</i> , 2020, 66, e16864.	3.6	12
31	ROS and GSH-responsive S-nitrosoglutathione functionalized polymeric nanoparticles to overcome multidrug resistance in cancer. <i>Acta Biomaterialia</i> , 2020, 103, 259-271.	8.3	85
32	FoxO3 reverses 5-fluorouracil resistance in human colorectal cancer cells by inhibiting the Nrf2/TR1 signaling pathway. <i>Cancer Letters</i> , 2020, 470, 29-42.	7.2	48
33	OsABA8ox2, an ABA catabolic gene, suppresses root elongation of rice seedlings and contributes to drought response. <i>Crop Journal</i> , 2020, 8, 480-491.	5.2	40
34	Ordered Mesoporous Alumina and Their Composites Based on Evaporation Induced Self-Assembly for Adsorption and Catalysis. <i>Chemistry of Materials</i> , 2020, 32, 3-26.	6.7	50
35	Oxidation of multiple Mit/TFE transcription factors links oxidative stress to transcriptional control of autophagy and lysosome biogenesis. <i>Autophagy</i> , 2020, 16, 1683-1696.	9.1	65
36	Macrophage-derived CCL5 facilitates immune escape of colorectal cancer cells via the p65/STAT3-CSN5-PD-L1 pathway. <i>Cell Death and Differentiation</i> , 2020, 27, 1765-1781.	11.2	115

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37	Effects of inhaled air pollution on markers of integrity, inflammation, and microbiota profiles of the intestines in Apolipoprotein E knockout mice. <i>Environmental Research</i> , 2020, 181, 108913.	7.5	35
38	Intrinsic dynamics is evolutionarily optimized to enable allosteric behavior. <i>Current Opinion in Structural Biology</i> , 2020, 62, 14-21.	5.7	85
39	Abnormal default-mode network homogeneity and its correlations with neurocognitive deficits in drug-naïve first-episode adolescent-onset schizophrenia. <i>Schizophrenia Research</i> , 2020, 215, 140-147.	2.0	17
40	Coreâ€“Sheath Stretchable Conductive Fibers for Safe Underwater Wearable Electronics. <i>Advanced Materials Technologies</i> , 2020, 5, 1900880.	5.8	46
41	Circulating long non-coding RNA FEZF1-AS1 and AFAP1-AS1 serve as potential diagnostic biomarkers for gastric cancer. <i>Pathology Research and Practice</i> , 2020, 216, 152757.	2.3	13
42	Synthetic vulnerability assessment to inform climate-change adaptation along an urbanized coast of Shenzhen, China. <i>Journal of Environmental Management</i> , 2020, 255, 109915.	7.8	19
43	Airway Epithelial Hecidin Coordinates Lung Macrophages and Immunity Against Bacterial Pneumonia. <i>Shock</i> , 2020, 54, 402-412.	2.1	9
44	Glycomic Signatures of Plasma IgG Improve Preoperative Prediction of the Invasiveness of Small Lung Nodules. <i>Molecules</i> , 2020, 25, 28.	3.8	11
45	Enhancing the cycling stability of all-solid-state lithium-ion batteries assembled with Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ solid electrolytes prepared from precursor solutions with appropriate pH values. <i>Ceramics International</i> , 2020, 46, 9629-9636.	4.8	59
46	Graph2GO: a multi-modal attributed network embedding method for inferring protein functions. <i>GigaScience</i> , 2020, 9, .	6.4	22
47	Pseudo2GO: A Graph-Based Deep Learning Method for Pseudogene Function Prediction by Borrowing Information From Coding Genes. <i>Frontiers in Genetics</i> , 2020, 11, 807.	2.3	3
48	The bHLH transcription factor PPLS1 regulates the color of pulvinus and leaf sheath in foxtail millet (<i>Setaria italica</i>). <i>Theoretical and Applied Genetics</i> , 2020, 133, 1911-1926.	3.6	14
49	Zinc oxide nanoparticles exposure-induced oxidative stress restricts cranial neural crest development during chicken embryogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110415.	6.0	23
50	A green route for the synthesis of nano-sized hierarchical ZSM-5 zeolite with excellent DTO catalytic performance. <i>Chemical Engineering Journal</i> , 2020, 388, 124322.	12.7	39
51	Effect of simulated acid rain on soil CO ₂ , CH ₄ and N ₂ O emissions and microbial communities in an agricultural soil. <i>Geoderma</i> , 2020, 366, 114222.	5.1	53
52	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. <i>IEEE Access</i> , 2020, 8, 19406-19409.	4.2	1
53	The efficacy and safety comparison of first-line chemotherapeutic agents (high-dose methotrexate,) Tj ETQq1 1 0.784314 rgBT /Overl Orthopaedic Surgery and Research, 2020, 15, 51.	2.3	58
54	Size-segregated characteristics of organic carbon (OC), elemental carbon (EC) and organic matter in particulate matter (PM) emitted from different types of ships in China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1549-1564.	4.9	24

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55	Recombinant Irisin Prevents the Reduction of Osteoblast Differentiation Induced by Stimulated Microgravity through Increasing β -Catenin Expression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1259.	4.1	41
56	Passenger Mutations in More Than 2,500 Cancer Genomes: Overall Molecular Functional Impact and Consequences. <i>Cell</i> , 2020, 180, 915-927.e16.	28.9	98
57	Upregulation of Beta4 subunit of BKCa channels in the anterior cingulate cortex contributes to mechanical allodynia associated anxiety-like behaviors. <i>Molecular Brain</i> , 2020, 13, 22.	2.6	6
58	New Insight into Factors Controlling Organic Matter Distribution in Lower Cambrian Source Rocks: A Study from the Qiongzhusi Formation in South China. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 181-194.	3.2	11
59	Comparative analysis of oligosaccharides in Guanzhong and Saanen goat milk by using LC-MS/MS. <i>Carbohydrate Polymers</i> , 2020, 235, 115965.	10.2	16
60	The EGFR-ZNF263 signaling axis silences SIX3 in glioblastoma epigenetically. <i>Oncogene</i> , 2020, 39, 3163-3178.	5.9	31
61	ERp29 affects the migratory and invasive ability of human extravillous trophoblast HTR8/SVneo cells via modulating the epithelial-mesenchymal transition. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22454.	3.0	2
62	Self-Healing Dielectric Elastomers for Damage-Tolerant Actuation and Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7595-7604.	8.0	55
63	Human omental adipose-derived mesenchymal stem cells enhance autophagy in ovarian carcinoma cells through the STAT3 signalling pathway. <i>Cellular Signalling</i> , 2020, 69, 109549.	3.6	15
64	Mechanism- and Immune Landscape-Based Ranking of Therapeutic Responsiveness of 22 Major Human Cancers to Next Generation Anti-CTLA-4 Antibodies. <i>Cancers</i> , 2020, 12, 284.	3.7	9
65	Blockchain-Empowered Secure Spectrum Sharing for 5G Heterogeneous Networks. <i>IEEE Network</i> , 2020, 34, 24-31.	6.9	100
66	Bone marrow mesenchymal stem cells enhance autophagy and help protect cells under hypoxic and retinal detachment conditions. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3346-3358.	3.6	13
67	Behavioral abnormalities and phosphorylation deficits of extracellular signal-regulated kinases 1 and 2 in rat offspring of the maternal immune activation model. <i>Physiology and Behavior</i> , 2020, 217, 112805.	2.1	2
68	ElectroPen: An ultra-low-cost, electricity-free, portable electroporator. <i>PLoS Biology</i> , 2020, 18, e3000589.	5.6	16
69	Direct Growth of Continuous and Uniform MoS ₂ Film on SiO ₂ /Si Substrate Catalyzed by Sodium Sulfate. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1570-1577.	4.6	15
70	Prenatal bisphenol A exposure, fetal thyroid hormones and neurobehavioral development in children at 2 and 4 years: A prospective cohort study. <i>Science of the Total Environment</i> , 2020, 722, 137887.	8.0	27
71	Helical Long-Period Fiber Gratings as Wavelength-Tunable Orbital Angular Momentum Mode Generators. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 418-421.	2.5	16
72	Pseudogene-gene functional networks are prognostic of patient survival in breast cancer. <i>BMC Medical Genomics</i> , 2020, 13, 51.	1.5	7

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73	A rare gain of function mutation in a wheat tandem kinase confers resistance to powdery mildew. <i>Nature Communications</i> , 2020, 11, 680.	12.8	119
74	Innovative steam methane reforming for coproducing CO-free hydrogen and syngas in proton conducting membrane reactor. <i>AIChE Journal</i> , 2019, 65, e16740.	3.6	20
75	O-Doping Boosts the Electrochemical Oxygen Reduction Activity of a Single Fe Site in Hydrophilic Carbon with Deep Mesopores. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45825-45831.	8.0	37
76	Mucosal Profiling of Pediatric-Onset Colitis and IBD Reveals Common Pathogenics and Therapeutic Pathways. <i>Cell</i> , 2019, 179, 1160-1176.e24.	28.9	163
77	Detection of chromosome-mediated tet(X4)-carrying <i>Aeromonas caviae</i> in a sewage sample from a chicken farm. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 3628-3630.	3.0	27
78	Fabrication of SiO ₂ @Fe/NC composite from industrial waste AlSiFe powders as high stability anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 324, 134860.	5.2	31
79	Global Prevalence of Hypertension in Children. <i>JAMA Pediatrics</i> , 2019, 173, 1154.	6.2	346
80	Lambda: label ambiguous domain adaptation dataset integration reduces batch effects and improves subtype detection. <i>Bioinformatics</i> , 2019, 35, 4696-4706.	4.1	31
81	PseudoFuN: Deriving functional potentials of pseudogenes from integrative relationships with genes and microRNAs across 32 cancers. <i>GigaScience</i> , 2019, 8, .	6.4	18
82	Wheat powdery mildew resistance gene Pm64 derived from wild emmer (<i>Triticum turgidum</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 761-770.	5.2	57
83	Effectiveness of Xin Jia Xuan Bai Cheng Qi Decoction in treating acute exacerbation of chronic obstructive pulmonary disease: study protocol for a multicentre, randomised, controlled trial. <i>BMJ Open</i> , 2019, 9, e030249.	1.9	10
84	Ligand Mediated Metal Cations Exchanges within Metallo-dynamic Solid Films. <i>ChemistryOpen</i> , 2019, 8, 1345-1349.	1.9	2
85	Aptamer-functionalized exosomes from bone marrow stromal cells target bone to promote bone regeneration. <i>Nanoscale</i> , 2019, 11, 20884-20892.	5.6	164
86	Implications of the melting depth and temperature of the Atlantic mid-ocean ridge basalts. <i>Acta Oceanologica Sinica</i> , 2019, 38, 35-42.	1.0	3
87	Vacuum-filtration enabled large-area CsPbBr ₃ films on porous substrates for flexible photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13402-13409.	5.5	9
88	A complex structure of arrestin-2 bound to a G protein-coupled receptor. <i>Cell Research</i> , 2019, 29, 971-983.	12.0	155
89	Evaluation of the value of preoperative CYFRA21-1 in the diagnosis and prognosis of epithelial ovarian cancer in conjunction with CA125. <i>Journal of Ovarian Research</i> , 2019, 12, 114.	3.0	12
90	Adult-onset neuronal intranuclear inclusion disease presenting with typical MRI changes. <i>Brain and Behavior</i> , 2019, 9, e01477.	2.2	13

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91	A Drive to Driven Model of Mapping Intraspecific Interaction Networks. IScience, 2019, 22, 109-122.	4.1	11
92	What Is Important for Digoxin Treatment in Patients With Heart Failure. Journal of the American College of Cardiology, 2019, 74, 2827.	2.8	2
93	Cooperative Connected Autonomous Vehicles (CAV): Research, Applications and Challenges. , 2019, , .		23
94	Comparison between the induced membrane technique and distraction osteogenesis in treating segmental bone defects: An experimental study in a rat model. PLoS ONE, 2019, 14, e0226839.	2.5	10
95	Encapsulation of 2-amino-2-methyl-1-propanol with tetraethyl orthosilicate for CO2 capture. Frontiers of Chemical Science and Engineering, 2019, 13, 672-683.	4.4	8
96	The Lyman-alpha Solar Telescope (LST) for the ASO-S mission – III. data and potential diagnostics. Research in Astronomy and Astrophysics, 2019, 19, 162.	1.7	26
97	SATB1 establishes ameloblast cell polarity and regulates directional amelogenin secretion for enamel formation. BMC Biology, 2019, 17, 104.	3.8	20
98	Dietary Selenium Supplementation Ameliorates Female Reproductive Efficiency in Aging Mice. Antioxidants, 2019, 8, 634.	5.1	17
99	Deciphering the nutritive and antioxidant properties of Malay cherry (<i>Lepisanthes alata</i>) fruit dominated by ripening effects. RSC Advances, 2019, 9, 38065-38076.	3.6	6
100	Challenges in proteogenomics: a comparison of analysis methods with the case study of the DREAM proteogenomics sub-challenge. BMC Bioinformatics, 2019, 20, 669.	2.6	10
101	Nitric oxide, Î³-aminobutyric acid, and mannose pretreatment influence metabolic profiles in white clover under water stress. Journal of Integrative Plant Biology, 2019, 61, 1255-1273.	8.5	20
102	Network analysis of pseudogene-gene relationships: from pseudogene evolution to their functional potentials. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 536-547.	0.7	7
103	Lack of human cytomegalovirus expression in single cells from glioblastoma tumors and cell lines. Journal of NeuroVirology, 2017, 23, 671-678.	2.1	16
104	Landscape and variation of novel retroduplications in 26 human populations. PLoS Computational Biology, 2017, 13, e1005567.	3.2	30
105	An integrated map of structural variation in 2,504 human genomes. Nature, 2015, 526, 75-81.	27.8	1,994
106	Comparative analysis of pseudogenes across three phyla. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13361-13366.	7.1	72