

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	An integrated map of structural variation in 2,504 human genomes. <i>Nature</i> , 2015, 526, 75-81.	27.8	1,994
2	GENCODE 2021. <i>Nucleic Acids Research</i> , 2021, 49, D916-D923.	14.5	633
3	Global Prevalence of Hypertension in Children. <i>JAMA Pediatrics</i> , 2019, 173, 1154.	6.2	346
4	Aptamer-functionalized exosomes from bone marrow stromal cells target bone to promote bone regeneration. <i>Nanoscale</i> , 2019, 11, 20884-20892.	5.6	164
5	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
6	A complex structure of arrestin-2 bound to a G protein-coupled receptor. <i>Cell Research</i> , 2019, 29, 971-983.	12.0	155
7	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
8	Fine-mapping of 150 breast cancer risk regions identifies 191 likely target genes. <i>Nature Genetics</i> , 2020, 52, 56-73.	21.4	120
9	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
10	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
11	Blockchain-Empowered Secure Spectrum Sharing for 5G Heterogeneous Networks. <i>IEEE Network</i> , 2020, 34, 24-31.	6.9	100
12	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
13	Dynamic covalent polymers for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 489-506.	5.9	94
14	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
15	Intrinsic dynamics is evolutionarily optimized to enable allosteric behavior. <i>Current Opinion in Structural Biology</i> , 2020, 62, 14-21.	5.7	85
16	Review—Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037516.	2.9	74
17	Comparative analysis of pseudogenes across three phyla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13361-13366.	7.1	72
18	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

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19	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
20	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
21	The efficacy and safety comparison of first-line chemotherapeutic agents (high-dose methotrexate,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6</i> <i>Orthopaedic Surgery and Research</i> , 2020, 15, 51.	2.3	58
22	Wheat powdery mildew resistance gene Pm64 derived from wild emmer (<i>Triticum turgidum</i> var.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i> 761-770.	5.2	57
23	Self-Healing Dielectric Elastomers for Damage-Tolerant Actuation and Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7595-7604.	8.0	55
24	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
25	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
26	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
27	Coreâ€‘Sheath Stretchable Conductive Fibers for Safe Underwater Wearable Electronics. <i>Advanced Materials Technologies</i> , 2020, 5, 1900880.	5.8	46
28	Recombinant Irisin Prevents the Reduction of Osteoblast Differentiation Induced by Stimulated Microgravity through Increasing Î²-Catenin Expression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1259.	4.1	41
29	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
30	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
31	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
32	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
33	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
34	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
35	CFEA: a cell-free epigenome atlas in human diseases. <i>Nucleic Acids Research</i> , 2020, 48, D40-D44.	14.5	32
36	Fabrication of Siâ€‘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

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37	Lambda: label ambiguous domain adaptation dataset integration reduces batch effects and improves subtype detection. <i>Bioinformatics</i> , 2019, 35, 4696-4706.	4.1	31
38	The EGFR-ZNF263 signaling axis silences SIX3 in glioblastoma epigenetically. <i>Oncogene</i> , 2020, 39, 3163-3178.	5.9	31
39	Landscape and variation of novel retroduplications in 26 human populations. <i>PLoS Computational Biology</i> , 2017, 13, e1005567.	3.2	30
40	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
41	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
42	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
43	The Lyman-alpha Solar Telescope (LST) for the ASO-S mission – III. data and potential diagnostics. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 162.	1.7	26
44	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
45	Cooperative Connected Autonomous Vehicles (CAV): Research, Applications and Challenges. , 2019, , .		23
46	Cohesive strategy and energy conversion efficiency analysis of bio-hydrothane production from corncob powder by two-stage anaerobic digestion process. <i>Bioresource Technology</i> , 2020, 300, 122746.	9.6	23
47	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
48	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
49	Graph2GO: a multi-modal attributed network embedding method for inferring protein functions. <i>GigaScience</i> , 2020, 9, .	6.4	22
50	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
51	SATB1 establishes ameloblast cell polarity and regulates directional amelogenin secretion for enamel formation. <i>BMC Biology</i> , 2019, 17, 104.	3.8	20
52	Nitric oxide, β -aminobutyric acid, and mannose pretreatment influence metabolic profiles in white clover under water stress. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 1255-1273.	8.5	20
53	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
54	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

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55	PseudoFuN: Deriving functional potentials of pseudogenes from integrative relationships with genes and microRNAs across 32 cancers. <i>GigaScience</i> , 2019, 8, .	6.4	18
56	Dietary Selenium Supplementation Ameliorates Female Reproductive Efficiency in Aging Mice. <i>Antioxidants</i> , 2019, 8, 634.	5.1	17
57	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
58	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
59	Lack of human cytomegalovirus expression in single cells from glioblastoma tumors and cell lines. <i>Journal of NeuroVirology</i> , 2017, 23, 671-678.	2.1	16
60	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
61	Construction of advanced 3D Co3S4@PPy nanowire anchored on nickel foam for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 334, 135635.	5.2	16
62	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
63	ElectroPen: An ultra-low-cost, electricity-free, portable electroporator. <i>PLoS Biology</i> , 2020, 18, e3000589.	5.6	16
64	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
65	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
66	Acylation 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
67	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
68	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
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	Time Course of Neoangiogenesis After Indirect Bypass Surgery for Moyamoya Disease. <i>Clinical Neuroradiology</i> , 2020, 30, 91-99.	1.9	14
71	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
72	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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73	Proteomic Profiling of Purified Rabies Virus Particles. <i>Virologica Sinica</i> , 2020, 35, 143-155.	3.0	13
74	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
75	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
76	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
77	Computer-aided engineering of thermostabilized antibody fragments. <i>AIChE Journal</i> , 2020, 66, e16864.	3.6	12
78	A Drive to Driven Model of Mapping Intraspecific Interaction Networks. <i>IScience</i> , 2019, 22, 109-122.	4.1	11
79	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
80	Glycomic Signatures of Plasma IgG Improve Preoperative Prediction of the Invasiveness of Small Lung Nodules. <i>Molecules</i> , 2020, 25, 28.	3.8	11
81	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
82	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
83	Comparison between the induced membrane technique and distraction osteogenesis in treating segmental bone defects: An experimental study in a rat model. <i>PLoS ONE</i> , 2019, 14, e0226839.	2.5	10
84	Challenges in proteogenomics: a comparison of analysis methods with the case study of the DREAM proteogenomics sub-challenge. <i>BMC Bioinformatics</i> , 2019, 20, 669.	2.6	10
85	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
86	Airway Epithelial Hepcidin Coordinates Lung Macrophages and Immunity Against Bacterial Pneumonia. <i>Shock</i> , 2020, 54, 402-412.	2.1	9
87	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
88	Encapsulation of 2-amino-2-methyl-1-propanol with tetraethyl orthosilicate for CO ₂ capture. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 672-683.	4.4	8
89	Pseudogene-gene functional networks are prognostic of patient survival in breast cancer. <i>BMC Medical Genomics</i> , 2020, 13, 51.	1.5	7
90	Network analysis of pseudogene-gene relationships: from pseudogene evolution to their functional potentials. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2018, 23, 536-547.	0.7	7

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91	Deciphering the nutritive and antioxidant properties of Malay cherry (<i>Lepisanthes alata</i>) fruit dominated by ripening effects. <i>RSC Advances</i> , 2019, 9, 38065-38076.	3.6	6
92	Intraosseous cavernous malformations of the skull: clinical characteristics and long-term surgical outcomes. <i>Neurosurgical Review</i> , 2020, 43, 231-239.	2.4	6
93	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
94	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
95	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
96	Antisolvent Crystallization of L-histidine in Micro-Channel Reactor under Microgravity. <i>Microgravity Science and Technology</i> , 2020, 32, 27-33.	1.4	3
97	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
98	Ligand Mediated Metal Cations Exchanges within Metallo-Dynameric Solid Films. <i>ChemistryOpen</i> , 2019, 8, 1345-1349.	1.9	2
99	What Is Important for Digoxin Treatment in Patients With Heart Failure. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2827.	2.8	2
100	Electrocardiographic-left ventricular hypertrophy and incident stroke among Chinese hypertensive adults. <i>Journal of Human Hypertension</i> , 2020, 34, 286-292.	2.2	2
101	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
102	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
103	Chromosomal Translocations Detection in Cancer Cells Using Chromosomal Conformation Capture Data. <i>Genes</i> , 2022, 13, 1170.	2.4	2
104	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. <i>IEEE Access</i> , 2020, 8, 19406-19409.	4.2	1
105	Pseudogene Profiling for Cancer. <i>Methods in Molecular Biology</i> , 2021, 2324, 307-317.	0.9	1
106	Family relationships and personality disorder functioning styles in paranoid schizophrenia. <i>Personality and Individual Differences</i> , 2021, 169, 109844.	2.9	0