

Zhiyuan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,786
citations

331670

21
h-index

315739

38
g-index

56
all docs

56
docs citations

56
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of DUX causes minor defects in zygotic genome activation and is compatible with mouse development. <i>Nature Genetics</i> , 2019, 51, 947-951.	21.4	138
2	Large offspring syndrome. <i>Epigenetics</i> , 2013, 8, 591-601.	2.7	125
3	Characterization of global loss of imprinting in fetal overgrowth syndrome induced by assisted reproduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4618-4623.	7.1	114
4	Machine learning techniques for anti-money laundering (AML) solutions in suspicious transaction detection: a review. <i>Knowledge and Information Systems</i> , 2018, 57, 245-285.	3.2	101
5	Wireless, battery-free subdermally implantable photometry systems for chronic recording of neural dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2835-2845.	7.1	94
6	Maternal <i>Eed</i> knockout causes loss of H3K27me3 imprinting and random X inactivation in the extraembryonic cells. <i>Genes and Development</i> , 2018, 32, 1525-1536.	5.9	93
7	Allelic H3K27me3 to allelic DNA methylation switch maintains noncanonical imprinting in extraembryonic cells. <i>Science Advances</i> , 2019, 5, eaay7246.	10.3	83
8	Distinct dynamics and functions of H2AK119ub1 and H3K27me3 in mouse preimplantation embryos. <i>Nature Genetics</i> , 2021, 53, 551-563.	21.4	83
9	Import and innovation: Evidence from Chinese firms. <i>European Economic Review</i> , 2017, 94, 205-220.	2.3	69
10	Types of patents and driving forces behind the patent growth in China. <i>Economic Modelling</i> , 2019, 80, 294-302.	3.8	68
11	Global assessment of imprinted gene expression in the bovine conceptus by next generation sequencing. <i>Epigenetics</i> , 2016, 11, 501-516.	2.7	65
12	Maternal H3K27me3-dependent autosomal and X chromosome imprinting. <i>Nature Reviews Genetics</i> , 2020, 21, 555-571.	16.3	53
13	Expression of KCNQ1OT1, CDKN1C, H19, and PLAGL1 and the methylation patterns at the KvDMR1 and H19/IGF2 imprinting control regions is conserved between human and bovine. <i>Journal of Biomedical Science</i> , 2012, 19, 95.	7.0	48
14	Maternal-biased H3K27me3 correlates with paternal-specific gene expression in the human morula. <i>Genes and Development</i> , 2019, 33, 382-387.	5.9	47
15	All-Solid-State Asymmetric Supercapacitors with Metal Selenides Electrodes and Ionic Conductive Composites Electrolytes. <i>Advanced Functional Materials</i> , 2019, 29, 1904182.	14.9	45
16	All-Solid-State Flexible Asymmetric Supercapacitors Fabricated by the Binder-Free Hydrophilic Carbon Cloth@MnO ₂ and Hydrophilic Carbon Cloth@Polypyrrole Electrodes. <i>Advanced Electronic Materials</i> , 2019, 5, 1800721.	5.1	39
17	Multifunctional Flexible Biointerfaces for Simultaneous Colocalized Optophysiology and Electrophysiology. <i>Advanced Functional Materials</i> , 2020, 30, 1910027.	14.9	33
18	Colony-stimulating factor 2 acts from days 5 to 7 of development to modify programming of the bovine conceptus at day 86 of gestation. <i>Biology of Reproduction</i> , 2017, 96, 743-757.	2.7	30

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19	Global misregulation of genes largely uncoupled to DNA methylome epimutations characterizes a congenital overgrowth syndrome. <i>Scientific Reports</i> , 2017, 7, 12667.	3.3	30
20	Flexible and Transparent Metal Nanowire Microelectrode Arrays and Interconnects for Electrophysiology, Optogenetics, and Optical Mapping. <i>Advanced Materials Technologies</i> , 2021, 6, 2100225.	5.8	29
21	Recent advances in organic optoelectronic devices for biomedical applications. <i>Optical Materials Express</i> , 2019, 9, 3843.	3.0	25
22	The bankâ€‘firm relationship: Helping or grabbing?. <i>International Review of Economics and Finance</i> , 2016, 42, 385-403.	4.5	24
23	Flexible and Transparent Metal Oxide/Metal Grid Hybrid Interfaces for Electrophysiology and Optogenetics. <i>Advanced Materials Technologies</i> , 2020, 5, 2000322.	5.8	23
24	A data recipient centered de-identification method to retain statistical attributes. <i>Journal of Biomedical Informatics</i> , 2014, 50, 32-45.	4.3	22
25	Electric potential barriers in the magnetic nozzle. <i>Physical Review E</i> , 2020, 101, 053208.	2.1	20
26	Numerical simulation of plasma power deposition on hollow cathode walls using particle-in-cell and Monte Carlo collision method. <i>Physics of Plasmas</i> , 2018, 25, 103512.	1.9	19
27	A cost-benefit analysis of R&D and patents: Firm-level evidence from China. <i>European Economic Review</i> , 2021, 133, 103633.	2.3	19
28	DPPA2 and DPPA4 are dispensable for mouse zygotic genome activation and pre-implantation development. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	17
29	The facility effects of a Hall effect thruster's relative exhaust direction in ground tests. <i>Vacuum</i> , 2018, 155, 199-209.	3.5	16
30	Advanced Electrical and Optical Microsystems for Biointerfacing. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000091.	6.1	16
31	Cell typeâ€‘specific mechanism of Setd1a heterozygosity in schizophrenia pathogenesis. <i>Science Advances</i> , 2022, 8, eabm1077.	10.3	16
32	Dynamic Query Forms for Database Queries. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014, 26, 2166-2178.	5.7	15
33	Variational Autoencoders and Wasserstein Generative Adversarial Networks for Improving the Anti-Money Laundering Process. <i>IEEE Access</i> , 2021, 9, 83762-83785.	4.2	15
34	Compositions and distributions of the azimuthal currents in the magnetic nozzle. <i>Plasma Sources Science and Technology</i> , 2021, 30, 105012.	3.1	14
35	Exploration of the effectiveness of expectation maximization algorithm for suspicious transaction detection in anti-money laundering. , 2014, , .		12
36	Target-Based, Privacy Preserving, and Incremental Association Rule Mining. <i>IEEE Transactions on Services Computing</i> , 2017, 10, 633-645.	4.6	12

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37	High-spatial-resolution image reconstruction-based method for measuring electron temperature and density of the very near field of an applied-field magnetoplasmadynamic thruster. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 135203.	2.8	12
38	Is a Corruption Crackdown Really Good for the Economy? Firm-Level Evidence from China. <i>Journal of Law, Economics, and Organization</i> , 2020, , .	1.5	11
39	Measurement of the distribution of charge exchange ions in a Hall-effect thruster plume. <i>Plasma Sources Science and Technology</i> , 2020, 29, 085001.	3.1	11
40	Stretchable and Transparent Metal Nanowire Microelectrodes for Simultaneous Electrophysiology and Optogenetics Applications. <i>Photonics</i> , 2021, 8, 220.	2.0	11
41	An economic feasibility assessment framework for underutilised crops using Support Vector Machine. <i>Computers and Electronics in Agriculture</i> , 2020, 168, 105116.	7.7	8
42	The fully-kinetic investigations on the ion acceleration mechanisms in an electron-driven magnetic nozzle. <i>Plasma Sources Science and Technology</i> , 0, , .	3.1	8
43	A complete online-SVM pipeline for case-based reasoning system: a study on pipe defect detection system. <i>Soft Computing</i> , 2020, 24, 16917-16933.	3.6	7
44	Multi-sensors in-line inspection robot for pipe flaws detection. <i>IET Science, Measurement and Technology</i> , 2020, 14, 71-82.	1.6	7
45	A generic and distributed privacy preserving classification method with a worst-case privacy guarantee. <i>Distributed and Parallel Databases</i> , 2014, 32, 5-35.	1.6	5
46	Do the types of subsidies and firms' heterogeneity affect the effectiveness of public R&D subsidies? Evidence from China's Innofund programme. <i>Asian Journal of Technology Innovation</i> , 2016, 24, 317-337.	2.8	5
47	Effects of Soil Amendments on Microbial Activities in a Typical Cd-Contaminated Purple Field Soil, Southwestern China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 380-385.	2.7	5
48	A Learning Approach to SQL Query Results Ranking Using Skyline and Users' Current Navigational Behavior. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013, 25, 2683-2693.	5.7	4
49	Using Crowd Sourcing to Analyze Consumers' Response to Privacy Policies of Online Social Network and Financial Institutions at Micro Level. <i>International Journal of Information Security and Privacy</i> , 2016, 10, 41-63.	0.8	4
50	Reference Frame Unification of IMU-Based Joint Angle Estimation: The Experimental Investigation and a Novel Method. <i>Sensors</i> , 2021, 21, 1813.	3.8	4
51	Anode power deposition in applied field magnetoplasmadynamic thruster. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	4
52	Combining Fields of Experts (FoE) and K-SVD methods in pursuing natural image priors. <i>Journal of Visual Communication and Image Representation</i> , 2021, 78, 103142.	2.8	3
53	Sources and trends of oxidized and reduced nitrogen wet deposition in a typical medium-sized city of eastern China during 2010-2016. <i>Science of the Total Environment</i> , 2020, 744, 140558.	8.0	2
54	Microelectrode Arrays: Flexible and Transparent Metal Nanowire Microelectrode Arrays and Interconnects for Electrophysiology, Optogenetics, and Optical Mapping (<i>Adv. Mater. Technol.</i> 7/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170041.	5.8	2