

Jianbin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

5,230
citations

159585

30
h-index

133252

59
g-index

66
all docs

66
docs citations

66
times ranked

9262
citing authors

#	ARTICLE	IF	CITATIONS
1	The genomic sequence of the Chinese hamster ovary (CHO)-K1 cell line. <i>Nature Biotechnology</i> , 2011, 29, 735-741.	17.5	699
2	Single-cell dissection of transcriptional heterogeneity in human colon tumors. <i>Nature Biotechnology</i> , 2011, 29, 1120-1127.	17.5	658
3	Genome-wide Single-Cell Analysis of Recombination Activity and De Novo Mutation Rates in Human Sperm. <i>Cell</i> , 2012, 150, 402-412.	28.9	459
4	Non-invasive prenatal measurement of the fetal genome. <i>Nature</i> , 2012, 487, 320-324.	27.8	342
5	Whole-genome molecular haplotyping of single cells. <i>Nature Biotechnology</i> , 2011, 29, 51-57.	17.5	337
6	Comparative Analysis of Droplet-Based Ultra-High-Throughput Single-Cell RNA-Seq Systems. <i>Molecular Cell</i> , 2019, 73, 130-142.e5.	9.7	283
7	A Quantitative Comparison of Single-Cell Whole Genome Amplification Methods. <i>PLoS ONE</i> , 2014, 9, e105585.	2.5	259
8	RNA-guided endonuclease provides a therapeutic strategy to cure latent herpesviridae infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13157-13162.	7.1	188
9	Cold-chain food contamination as the possible origin of COVID-19 resurgence in Beijing. <i>National Science Review</i> , 2020, 7, 1861-1864.	9.5	175
10	The phylogenetic and geographic structure of Y-chromosome haplogroup R1a. <i>European Journal of Human Genetics</i> , 2015, 23, 124-131.	2.8	122
11	A body map of somatic mutagenesis in morphologically normal human tissues. <i>Nature</i> , 2021, 597, 398-403.	27.8	107
12	Dissecting esophageal squamous-cell carcinoma ecosystem by single-cell transcriptomic analysis. <i>Nature Communications</i> , 2021, 12, 5291.	12.8	98
13	Single-Cell Transcriptional Analysis. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 439-462.	5.4	93
14	<i>Candida albicans</i> gains azole resistance by altering sphingolipid composition. <i>Nature Communications</i> , 2018, 9, 4495.	12.8	89
15	Quantitative Analysis of Synthetic Cell Lineage Tracing Using Nuclease Barcoding. <i>ACS Synthetic Biology</i> , 2017, 6, 936-942.	3.8	88
16	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.2	88
17	RNA sequencing by direct tagmentation of RNA/DNA hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2886-2893.	7.1	86
18	A peptide with HIV-1 reverse transcriptase inhibitory activity from the medicinal mushroom <i>Russula paludosa</i> . <i>Peptides</i> , 2007, 28, 560-565.	2.4	80

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19	Single-cell transcriptomic analysis in a mouse model deciphers cell transition states in the multistep development of esophageal cancer. <i>Nature Communications</i> , 2020, 11, 3715.	12.8	79
20	Mapping spatial transcriptome with light-activated proximity-dependent RNA labeling. <i>Nature Chemical Biology</i> , 2019, 15, 1110-1119.	8.0	72
21	A GPR174â€CCL21 module imparts sexual dimorphism to humoral immunity. <i>Nature</i> , 2020, 577, 416-420.	27.8	65
22	Mutant Kras co-opts a proto-oncogenic enhancer network in inflammation-induced metaplastic progenitor cells to initiate pancreatic cancer. <i>Nature Cancer</i> , 2021, 2, 49-65.	13.2	54
23	Development and characterization of an immunoaffinity monolith for selective on-line extraction of bisphenol A from environmental water samples. <i>Analytica Chimica Acta</i> , 2008, 620, 1-7.	5.4	47
24	High-throughput immunoassay through in-channel microfluidic patterning. <i>Lab on A Chip</i> , 2012, 12, 2487.	6.0	47
25	Dynamics of the Upper Respiratory Tract Microbiota and Its Association with Mortality in COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1379-1390.	5.6	46
26	A chip-to-chip nanoliter microfluidic dispenser. <i>Lab on A Chip</i> , 2009, 9, 1831.	6.0	38
27	Affinity-coupled CCL22 promotes positive selection in germinal centres. <i>Nature</i> , 2021, 592, 133-137.	27.8	38
28	Two-step fitness selection for intra-host variations in SARS-CoV-2. <i>Cell Reports</i> , 2022, 38, 110205.	6.4	38
29	Polyethylene glycol diacrylate-based supermacroporous monolithic cryogel as high-performance liquid chromatography stationary phase for protein and polymeric nanoparticle separation. <i>Journal of Chromatography A</i> , 2008, 1182, 128-131.	3.7	35
30	Recent Developments in Single-Cell RNA-Seq of Microorganisms. <i>Biophysical Journal</i> , 2018, 115, 173-180.	0.5	35
31	High-throughput single-cell whole-genome amplification through centrifugal emulsification and eMDA. <i>Communications Biology</i> , 2019, 2, 147.	4.4	35
32	LncRNA DINOR is a virulence factor and global regulator of stress responses in <i>Candida auris</i> . <i>Nature Microbiology</i> , 2021, 6, 842-851.	13.3	31
33	Three-dimensional digital PCR through light-sheet imaging of optically cleared emulsion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25628-25633.	7.1	28
34	Genomic surveillance of COVID-19 cases in Beijing. <i>Nature Communications</i> , 2020, 11, 5503.	12.8	26
35	Singleâ€cell RNA sequencing reveals chemokine selfâ€feeding of myeloma cells promotes extramedullary metastasis. <i>FEBS Letters</i> , 2020, 594, 452-465.	2.8	20
36	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 104043.	4.1	19

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37	Genetic variation may confound analysis of CRISPR-Cas9 off-target mutations. <i>Cell Discovery</i> , 2018, 4, 18.	6.7	16
38	A Potent and Protective Human Neutralizing Antibody Against SARS-CoV-2 Variants. <i>Frontiers in Immunology</i> , 2021, 12, 766821.	4.8	15
39	Dgcr8 deletion in the primitive heart uncovered novel microRNA regulating the balance of cardiac-vascular gene program. <i>Protein and Cell</i> , 2019, 10, 327-346.	11.0	14
40	MINERVA: A Facile Strategy for SARS-CoV-2 Whole-Genome Deep Sequencing of Clinical Samples. <i>Molecular Cell</i> , 2020, 80, 1123-1134.e4.	9.7	13
41	A high-throughput imaging system to quantitatively analyze the growth dynamics of plant seedlings. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 945.	1.3	12
42	Genome-wide piggyBac transposon-based mutagenesis and quantitative insertion-site analysis in haploid <i>Candida</i> species. <i>Nature Protocols</i> , 2020, 15, 2705-2727.	12.0	10
43	Computational Identification of Preneoplastic Cells Displaying High Stemness and Risk of Cancer Progression. <i>Cancer Research</i> , 2022, 82, 2520-2537.	0.9	9
44	Tagmentation on Microbeads: Restore Long-Range DNA Sequence Information Using Next Generation Sequencing with Library Prepared by Surface-Immobilized Transposomes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11539-11545.	8.0	8
45	Copy number alteration profiling facilitates differential diagnosis between ossifying fibroma and fibrous dysplasia of the jaws. <i>International Journal of Oral Science</i> , 2021, 13, 21.	8.6	7
46	Common deletion variants causing protocadherin-1± deficiency contribute to the complex genetics of BAV and left-sided congenital heart disease. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100037.	1.7	7
47	Improvement in the risk assessment of oral leukoplakia through morphology-related copy number analysis. <i>Science China Life Sciences</i> , 2021, 64, 1379-1391.	4.9	7
48	Expanding APEX2 Substrates for Proximity-Dependent Labeling of Nucleic Acids and Proteins in Living Cells. <i>Angewandte Chemie</i> , 2019, 131, 11889-11893.	2.0	6
49	Specific Redistribution of Severe Acute Respiratory Syndrome Coronavirus 2 Variants in the Respiratory System and Intestinal Tract. <i>Clinical Infectious Diseases</i> , 2021, 73, e2814-e2817.	5.8	6
50	Rotational scan digital LAMP for accurate quantitation of nucleic acids. <i>Lab on A Chip</i> , 2021, 21, 2265-2271.	6.0	5
51	Low-frequency somatic copy number alterations in normal human lymphocytes revealed by large-scale single-cell whole-genome profiling. <i>Genome Research</i> , 2022, 32, 44-54.	5.5	4
52	Terminal transfer amplification and sequencing for high-efficiency and low-bias copy number profiling of fragmented DNA samples. <i>Protein and Cell</i> , 2019, 10, 229-233.	11.0	3
53	Voices of biotech research. <i>Nature Biotechnology</i> , 2021, 39, 281-286.	17.5	3
54	The CRISPR System and Cancer Immunotherapy Biomarkers. <i>Methods in Molecular Biology</i> , 2020, 2055, 301-322.	0.9	2

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55	A head-to-toe makeover for classical sequencing-by-synthesis helps users to squeeze more out of each base. <i>National Science Review</i> , 2019, 6, 3-4.	9.5	1
56	Unique dual indexing PCR reduces chimeric contamination and improves mutation detection in cell-free DNA of pregnant women. <i>Talanta</i> , 2020, 217, 121035.	5.5	1
57	Single Cell Technology. <i>Advanced Biology</i> , 2019, 3, e1900217.	3.0	0