

Di Wu

List of Publications by Year in descending order

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64
papers

34,012
citations

279798

23
h-index

123424

61
g-index

73
all docs

73
docs citations

73
times ranked

64041
citing authors

#	ARTICLE	IF	CITATIONS
1	limma powers differential expression analyses for RNA-sequencing and microarray studies. Nucleic Acids Research, 2015, 43, e47-e47.	14.5	26,032
2	Genetics of rheumatoid arthritis contributes to biology and drug discovery. Nature, 2014, 506, 376-381.	27.8	1,974
3	Aberrant luminal progenitors as the candidate target population for basal tumor development in BRCA1 mutation carriers. Nature Medicine, 2009, 15, 907-913.	30.7	1,261
4	Camera: a competitive gene set test accounting for inter-gene correlation. Nucleic Acids Research, 2012, 40, e133-e133.	14.5	665
5	Control of mammary stem cell function by steroid hormone signalling. Nature, 2010, 465, 798-802.	27.8	617
6	Sequence determinants of improved CRISPR sgRNA design. Genome Research, 2015, 25, 1147-1157.	5.5	514
7	ROAST: rotation gene set tests for complex microarray experiments. Bioinformatics, 2010, 26, 2176-2182.	4.1	463
8	Isolation and Culture of Epithelial Progenitors and Mesenchymal Stem Cells from Human Endometrium1. Biology of Reproduction, 2009, 80, 1136-1145.	2.7	425
9	CXCR5+ follicular cytotoxic T cells control viral infection in B cell follicles. Nature Immunology, 2016, 17, 1187-1196.	14.5	385
10	Transcriptome analyses of mouse and human mammary cell subpopulations reveal multiple conserved genes and pathways. Breast Cancer Research, 2010, 12, R21.	5.0	354
11	Chronic Wasting Disease of Elk: Transmissibility to Humans Examined by Transgenic Mouse Models. Journal of Neuroscience, 2005, 25, 7944-7949.	3.6	235
12	Gata-3 Negatively Regulates the Tumor-Initiating Capacity of Mammary Luminal Progenitor Cells and Targets the Putative Tumor Suppressor Caspase-14. Molecular and Cellular Biology, 2011, 31, 4609-4622.	2.3	96
13	DCAF1 regulates Treg senescence via the ROS axis during immunological aging. Journal of Clinical Investigation, 2020, 130, 5893-5908.	8.2	71
14	Dimensionality reduction by UMAP reinforces sample heterogeneity analysis in bulk transcriptomic data. Cell Reports, 2021, 36, 109442.	6.4	67
15	The use of miRNA microarrays for the analysis of cancer samples with global miRNA decrease. Rna, 2013, 19, 876-888.	3.5	52
16	Human Genetics in Rheumatoid Arthritis Guides a High-Throughput Drug Screen of the CD40 Signaling Pathway. PLoS Genetics, 2013, 9, e1003487.	3.5	52
17	Derivation and Validation of the Periodontal and Tooth Profile Classification System for Patient Stratification. Journal of Periodontology, 2017, 88, 153-165.	3.4	48
18	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. Clinical Cancer Research, 2018, 24, 1459-1472.	7.0	46

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19	Molecular changes in endometriosis-associated ovarian clear cell carcinoma. <i>European Journal of Cancer</i> , 2015, 51, 1831-1842.	2.8	44
20	Periodontal profile classes predict periodontal disease progression and tooth loss. <i>Journal of Periodontology</i> , 2018, 89, 148-156.	3.4	37
21	Inducible overexpression of wild-type prion protein in the muscles leads to a primary myopathy in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6800-6805.	7.1	35
22	Differential expression of VEGF ligands and receptors in prostate cancer. <i>Prostate</i> , 2013, 73, 563-572.	2.3	31
23	High-throughput identification of noncoding functional SNPs via type IIS enzyme restriction. <i>Nature Genetics</i> , 2018, 50, 1180-1188.	21.4	31
24	Human milk 3- α -Sialyllactose is positively associated with language development during infancy. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 588-597.	4.7	29
25	The Rheumatoid Arthritis Risk Variant CCR6DNP Regulates CCR6 via PARP-1. <i>PLoS Genetics</i> , 2016, 12, e1006292.	3.5	28
26	FIREcaller: Detecting frequently interacting regions from Hi-C data. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 355-362.	4.1	22
27	Statistical inference for time course RNA-Seq data using a negative binomial mixed-effect model. <i>BMC Bioinformatics</i> , 2016, 17, 324.	2.6	21
28	Cohort Profile: ZOE 2.0—A Community-Based Genetic Epidemiologic Study of Early Childhood Oral Health. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8056.	2.6	20
29	A robust and powerful two-step testing procedure for local ancestry adjusted allelic association analysis in admixed populations. <i>Genetic Epidemiology</i> , 2018, 42, 288-302.	1.3	17
30	The associations between carbohydrate and protein intakes with habitual sleep duration among adults living in urban and rural areas. <i>Clinical Nutrition</i> , 2018, 37, 1631-1637.	5.0	17
31	The Supragingival Biofilm in Early Childhood Caries: Clinical and Laboratory Protocols and Bioinformatics Pipelines Supporting Metagenomics, Metatranscriptomics, and Metabolomics Studies of the Oral Microbiome. <i>Methods in Molecular Biology</i> , 2019, 1922, 525-548.	0.9	17
32	A sequential methodology for the rapid identification and characterization of breast cancer-associated functional SNPs. <i>Nature Communications</i> , 2020, 11, 3340.	12.8	17
33	Early Lineage Priming by Trisomy of Erg Leads to Myeloproliferation in a Down Syndrome Model. <i>PLoS Genetics</i> , 2015, 11, e1005211.	3.5	16
34	The Axis of Progression of Disease. <i>Cancer Informatics</i> , 2014, 13s6, CIN.S17683.	1.9	15
35	RAS P21 Protein Activator 3 (RASA3) Specifically Promotes Pathogenic T Helper 17 Cell Generation by Repressing T-Helper-2-Cell-Biased Programs. <i>Immunity</i> , 2018, 49, 886-898.e5.	14.3	15
36	The Novel <i>ASIC2</i> Locus Is Associated with Severe Gingival Inflammation. <i>JDR Clinical and Translational Research</i> , 2016, 1, 163-170.	1.9	14

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37	The bacterial microbiome and metabolome in caries progression and arrest. Journal of Oral Microbiology, 2021, 13, 1886748.	2.7	14
38	A 3Dâ€Bioprinted Multiple Myeloma Model. Advanced Healthcare Materials, 2022, 11, e2100884.	7.6	14
39	Unravelling roles of error-prone DNA polymerases in shaping cancer genomes. Oncogene, 2021, 40, 6549-6565.	5.9	14
40	Complete loss of miR-200 family induces EMT associated cellular senescence in gastric cancer. Oncogene, 2022, 41, 26-36.	5.9	13
41	A Randomized Clinical Trial Comparing 2 Ibuprofen Formulations in Patients with Acute Odontogenic Pain. Journal of Endodontics, 2017, 43, 674-678.	3.1	12
42	Network Patterns of Herbal Combinations in Traditional Chinese Clinical Prescriptions. Frontiers in Pharmacology, 2020, 11, 590824.	3.5	12
43	Exosomes targeted towards applications in regenerative medicine. Nano Select, 2021, 2, 880-908.	3.7	12
44	Periodontitis and Risk of Diabetes in the Atherosclerosis Risk In Communities (ARIC) Study: A BMI-Modified Association. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3546-e3558.	3.6	12
45	Differential Roles of Rad18 and Chk2 in Genome Maintenance and Skin Carcinogenesis Following UV Exposure. Journal of Investigative Dermatology, 2018, 138, 2550-2557.	0.7	11
46	TWOâ€SIGMA: A novel twoâ€component single cell modelâ€based association method for singleâ€cell RNAâ€seq data. Genetic Epidemiology, 2021, 45, 142-153.	1.3	11
47	Rad18 mediates specific mutational signatures and shapes the genomic landscape of carcinogen-induced tumors in vivo. NAR Cancer, 2021, 3, zcaa037.	3.1	10
48	Regulation of the Late Onset alzheimerâ€™s Disease Associated <i>HLA-DQA1/DRB1</i> Expression. American Journal of Alzheimer's Disease and Other Dementias, 2022, 37, 153331752210850.	1.9	10
49	Endodontics Specialistsâ€™ Practice during the Initial Outbreak of Coronavirus Disease 2019. Journal of Endodontics, 2022, 48, 102-108.	3.1	8
50	TET2 stabilization by 14-3-3 binding to the phosphorylated Serine 99 is deregulated by mutations in cancer. Cell Research, 2019, 29, 248-250.	12.0	7
51	Inferring Regulatory Networks From Mixed Observational Data Using Directed Acyclic Graphs. Frontiers in Genetics, 2020, 11, 8.	2.3	7
52	Improved Metabolite Prediction Using Microbiome Data-Based Elastic Net Models. Frontiers in Cellular and Infection Microbiology, 2021, 11, 734416.	3.9	7
53	Endodontic Specialists' Practice During the Coronavirus Disease 2019 Pandemic: 1 Year after the Initial Outbreak. Journal of Endodontics, 2022, 48, 699-706.	3.1	6
54	Normalization of Affymetrix miRNA Microarrays for the Analysis of Cancer Samples. Methods in Molecular Biology, 2015, 1375, 1-10.	0.9	5

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55	TWO-SIGMA-G: a new competitive gene set testing framework for scRNA-seq data accounting for inter-gene and cell-cell correlation. Briefings in Bioinformatics, 2022, 23, .	6.5	5
56	Post-GWAS functional studies reveal an RA-associated <i>CD40</i> -induced NF- κ B signal transduction and transcriptional regulation network targeted by class II HDAC inhibitors. Human Molecular Genetics, 2021, 30, 823-835.	2.9	4
57	Coupling high-throughput mapping with proteomics analysis delineates <i>cis</i> -regulatory elements at high resolution. Nucleic Acids Research, 2022, 50, e5-e5.	14.5	4
58	Transcriptional Regulation of CD40 Expression by 4 Ribosomal Proteins via a Functional SNP on a Disease-Associated CD40 Locus. Genes, 2020, 11, 1526.	2.4	4
59	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. Nature Aging, 2022, 2, 140-154.	11.6	4
60	The Use of CRISPR/Cas9 Gene Editing to Confirm Congenic Contaminations in Host-Pathogen Interaction Studies. Frontiers in Cellular and Infection Microbiology, 2018, 8, 87.	3.9	3
61	Machine Learning and Deep Learning in Genetics and Genomics. , 2021, , 163-181.		3
62	An Automated Machine Learning Classifier for Early Childhood Caries. Pediatric Dentistry (discontinued), 2021, 43, 191-197.	0.4	2
63	Covert Genetic Selections to Optimize Phenotypes. PLoS ONE, 2007, 2, e1200.	2.5	0
64	Editorial: Genetics and Molecular Mechanisms of Oral and Esophageal Squamous Cell Carcinoma. Frontiers in Oncology, 2022, 12, 874353.	2.8	0