Di Wu

List of Publications by Citations

64 papers	19,238 citations	21 h-index	73 g-index
73 ext. papers	28,451 ext. citations	9.8 avg, IF	6.79 L-index

#	Paper	IF	Citations
64	limma powers differential expression analyses for RNA-sequencing and microarray studies. *Nucleic Acids Research*, **2015**, 43, e47	20.1	13379
63	Genetics of rheumatoid arthritis contributes to biology and drug discovery. *Nature*, **2014**, 506, 376-81	50.4	1426
62	Aberrant luminal progenitors as the candidate target population for basal tumor development in BRCA1 mutation carriers. *Nature Medicine*, **2009**, 15, 907-13	50.5	1034
61	Control of mammary stem cell function by steroid hormone signalling. *Nature*, **2010**, 465, 798-802	50.4	531
60	Camera: a competitive gene set test accounting for inter-gene correlation. *Nucleic Acids Research*, **2012**, 40, e133	20.1	422
59	Isolation and culture of epithelial progenitors and mesenchymal stem cells from human endometrium. *Biology of Reproduction*, **2009**, 80, 1136-45	3.9	368
58	Sequence determinants of improved CRISPR sgRNA design. *Genome Research*, **2015**, 25, 1147-57	9.7	335
57	ROAST: rotation gene set tests for complex microarray experiments. *Bioinformatics*, **2010**, 26, 2176-82	7.2	329
56	Transcriptome analyses of mouse and human mammary cell subpopulations reveal multiple conserved genes and pathways. *Breast Cancer Research*, **2010**, 12, R21	8.3	313
55	CXCR5(+) follicular cytotoxic T cells control viral infection in B cell follicles. *Nature Immunology*, **2016**, 17, 1187-96	19.1	267
54	Chronic wasting disease of elk: transmissibility to humans examined by transgenic mouse models. *Journal of Neuroscience*, **2005**, 25, 7944-9	6.6	201
53	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, 4609-22	4.8	84
52	The use of miRNA microarrays for the analysis of cancer samples with global miRNA decrease. *Rna*, **2013**, 19, 876-88	5.8	46
51	Human genetics in rheumatoid arthritis guides a high-throughput drug screen of the CD40 signaling pathway. *PLoS Genetics*, **2013**, 9, e1003487	6	45
50	Molecular changes in endometriosis-associated ovarian clear cell carcinoma. *European Journal of Cancer*, **2015**, 51, 1831-42	7.5	37
49	Derivation and Validation of the Periodontal and Tooth Profile Classification System for Patient Stratification. *Journal of Periodontology*, **2017**, 88, 153-165	4.6	37
48	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. *Clinical Cancer Research*, **2018**, 24, 1459-1472	12.9	29

47	Differential expression of VEGF ligands and receptors in prostate cancer. *Prostate*, **2013**, 73, 563-72	4.2	27
46	Inducible overexpression of wild-type prion protein in the muscles leads to a primary myopathy in transgenic mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6800-5	11.5	27
45	DCAF1 regulates Treg senescence via the ROS axis during immunological aging. *Journal of Clinical Investigation*, **2020**, 130, 5893-5908	15.9	27
44	Periodontal profile classes predict periodontal disease progression and tooth loss. *Journal of Periodontology*, **2018**, 89, 148-156	4.6	25
43	The Rheumatoid Arthritis Risk Variant CCR6DNP Regulates CCR6 via PARP-1. *PLoS Genetics*, **2016**, 12, e1006292	6	17
42	Statistical inference for time course RNA-Seq data using a negative binomial mixed-effect model. *BMC Bioinformatics*, **2016**, 17, 324	3.6	16
41	High-throughput identification of noncoding functional SNPs via type IIS enzyme restriction. *Nature Genetics*, **2018**, 50, 1180-1188	36.3	14
40	FIREcaller: Detecting frequently interacting regions from Hi-C data. *Computational and Structural Biotechnology Journal*, **2021**, 19, 355-362	6.8	13
39	Dimensionality reduction by UMAP reinforces sample heterogeneity analysis in bulk transcriptomic data. *Cell Reports*, **2021**, 36, 109442	10.6	13
38	Early lineage priming by trisomy of Erg leads to myeloproliferation in a Down syndrome model. *PLoS Genetics*, **2015**, 11, e1005211	6	12
37	The axis of progression of disease. *Cancer Informatics*, **2014**, 13, 7-13	2.4	12
36	The associations between carbohydrate and protein intakes with habitual sleep duration among adults living in urban and rural areas. *Clinical Nutrition*, **2018**, 37, 1631-1637	5.9	12
35	A Randomized Clinical Trial Comparing 2 Ibuprofen Formulations in Patients with Acute Odontogenic Pain. *Journal of Endodontics*, **2017**, 43, 674-678	4.7	9
34	The Supragingival Biofilm in Early Childhood Caries: Clinical and Laboratory Protocols and Bioinformatics Pipelines Supporting Metagenomics, Metatranscriptomics, and Metabolomics Studies of the Oral Microbiome. *Methods in Molecular Biology*, **2019**, 1922, 525-548	1.4	9
33	The Novel Locus is Associated with Severe Gingival Inflammation. *JDR Clinical and Translational Research*, **2016**, 1, 163-170	2.2	9
32	Human milk 3'Sialyllactose is positively associated with language development during infancy. *American Journal of Clinical Nutrition*, **2021**, 114, 588-597	7	9
31	A sequential methodology for the rapid identification and characterization of breast cancer-associated functional SNPs. *Nature Communications*, **2020**, 11, 3340	17.4	8
30	Differential Roles of Rad18 and Chk2 in Genome Maintenance and Skin Carcinogenesis Following UV Exposure. *Journal of Investigative Dermatology*, **2018**, 138, 2550-2557	4.3	8

29	A robust and powerful two-step testing procedure for local ancestry adjusted allelic association analysis in admixed populations. *Genetic Epidemiology*, **2018**, 42, 288-302	2.6	8
28	Cohort Profile: ZOE 2.0-A Community-Based Genetic Epidemiologic Study of Early Childhood Oral Health. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	7
27	Exosomes targeted towards applications in regenerative medicine. *Nano Select*, **2021**, 2, 880-908	3.1	7
26	Network Patterns of Herbal Combinations in Traditional Chinese Clinical Prescriptions. *Frontiers in Pharmacology*, **2020**, 11, 590824	5.6	6
25	Rad18 mediates specific mutational signatures and shapes the genomic landscape of carcinogen-induced tumors. *NAR Cancer*, **2021**, 3, zcaa037	5.2	6
24	Inferring Regulatory Networks From Mixed Observational Data Using Directed Acyclic Graphs. *Frontiers in Genetics*, **2020**, 11, 8	4.5	5
23	FIREcaller: Detecting Frequently Interacting Regions from Hi-C Data		5
22	TET2 stabilization by 14-3-3 binding to the phosphorylated Serine 99 is deregulated by mutations in cancer. *Cell Research*, **2019**, 29, 248-250	24.7	5
21	Normalization of Affymetrix miRNA Microarrays for the Analysis of Cancer Samples. *Methods in Molecular Biology*, **2016**, 1375, 1-10	1.4	4
20	Complete loss of miR-200 family induces EMT associated cellular senescence in gastric cancer. *Oncogene*, **2021**,	9.2	4
19	RAS P21 Protein Activator 3 (RASA3) Specifically Promotes Pathogenic T Helper 17 Cell Generation by Repressing T-Helper-2-Cell-Biased Programs. *Immunity*, **2018**, 49, 886-898.e5	32.3	4
18	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	5.9	2
17	A bivariate zero-inflated negative binomial model and its applications to biomedical settings		2
16	Endodontics SpecialistsꞀPractice during the Initial Outbreak of Coronavirus Disease 2019. *Journal of Endodontics*, **2021**,	4.7	2
15	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	5.6	2
14	TWO-SIGMA: A novel two-component single cell model-based association method for single-cell RNA-seq data. *Genetic Epidemiology*, **2021**, 45, 142-153	2.6	2
13	Post-GWAS functional studies reveal an RA-associated CD40-induced NF-kB signal transduction and transcriptional regulation network targeted by class II HDAC inhibitors. *Human Molecular Genetics*, **2021**, 30, 823-835	5.6	2
12	The bacterial microbiome and metabolome in caries progression and arrest. *Journal of Oral Microbiology*, **2021**, 13, 1886748	6.3	2

List of Publications

11	A 3D-Bioprinted Multiple Myeloma Model. *Advanced Healthcare Materials*, **2021**, e2100884	10.1	2
10	An Automated Machine Learning Classifier for Early Childhood Caries. *Pediatric Dentistry (discontinued)*, **2021**, 43, 191-197	1.2	1
9	Improved Metabolite Prediction Using Microbiome Data-Based Elastic Net Models. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 734416	5.9	1
8	Unravelling roles of error-prone DNA polymerases in shaping cancer genomes. *Oncogene*, **2021**, 40, 6549-6565	9.2	1
7	Transcriptional Regulation of Expression by 4 Ribosomal Proteins via a Functional SNP on a Disease-Associated Locus. *Genes*, **2020**, 11,	4.2	1
6	Dimensionality reduction by UMAP reinforces sample heterogeneity analysis in bulk transcriptomic data		1
5	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. *Nature Aging*, **2022**, 2, 140-154		1
4	Endodontic Specialists' Practice During the COVID-19 Pandemic One Year After the Initial Outbreak.. *Journal of Endodontics*, **2022**,	4.7	1
3	Regulation of the Late Onset alzheimer's Disease Associated Expression.. *American Journal of Alzheimers Disease and Other Dementias*, **2022**, 37, 15333175221085066	2.5	0
2	Covert genetic selections to optimize phenotypes. *PLoS ONE*, **2007**, 2, e1200	3.7	
1	Machine Learning and Deep Learning in Genetics and Genomics **2021**, 163-181		