Jun Wan

List of Publications by Year
in descending order

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110 papers	4,058 citations	126907 33 h-index	149698 56 g-index
129 all docs	129 docs citations	129 times ranked	6803 citing authors

#	Article	IF	Citations
1	A survey on computational methods in discovering protein inhibitors of SARS-CoV-2. Briefings in Bioinformatics, 2022, 23, .	6.5	15
2	Targeting Protein Arginine Methyltransferase 5 Suppresses Radiation-induced Neuroendocrine Differentiation and Sensitizes Prostate Cancer Cells to Radiation. Molecular Cancer Therapeutics, 2022, 21, 448-459.	4.1	13
3	The impact of SBF2 on taxane-induced peripheral neuropathy. PLoS Genetics, 2022, 18, e1009968.	3.5	7
4	Metformin bicarbonate-mediated efficient RNAi for precise targeting of TP53 deficiency in colon and rectal cancers. Nano Today, 2022, 43, 101406.	11.9	8
5	Endothelial Phospholipase Cβ2 Improves Outcomes of Diabetic Ischemic Limb Rescue Following VEGF Therapy. Diabetes, 2022, 71, 1149-1165.	0.6	14
6	Genome-wide analyses reveal the detrimental impacts of SARS-CoV-2 viral gene Orf9c on human pluripotent stem cell-derived cardiomyocytes. Stem Cell Reports, 2022, 17, 522-537.	4.8	2
7	Rora Regulates Neutrophil Migration and Activation in Zebrafish. Frontiers in Immunology, 2022, 13, 756034.	4.8	5
8	Advanced Functions Embedded in the Second Version of Database, Global Evaluation of SARS-CoV-2/hCoV-19 Sequences 2. Frontiers in Medicine, 2022, 9, 813964.	2.6	0
9	Development and evaluation of ActSeq: A targeted next-generation sequencing panel for clinical oncology use. PLoS ONE, 2022, 17, e0266914.	2.5	2
10	Sex specificity of pancreatic cancer cachexia phenotypes, mechanisms, and treatment in mice and humans: role of Activin. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 2146-2161.	7.3	31
11	FOXP3 exon 2 controls T _{reg} stability and autoimmunity. Science Immunology, 2022, 7, .	11.9	21
12	Genome-wide DNA hypermethylation opposes healing in patients with chronic wounds by impairing epithelial-mesenchymal transition. Journal of Clinical Investigation, 2022, 132, .	8.2	20
13	Genome-wide DNA methylation profiling in human breast tissue by Illumina TruSeq methyl capture EPIC sequencing and infinium methylationEPIC beadchip microarray. Epigenetics, 2021, 16, 754-769.	2.7	8
14	Pharmacological activation of nitric oxide signaling promotes human hematopoietic stem cell homing and engraftment. Leukemia, 2021, 35, 229-234.	7.2	15
15	GESS: a database of global evaluation of SARS-CoV-2/hCoV-19 sequences. Nucleic Acids Research, 2021, 49, D706-D714.	14.5	65
16	Distinct transcriptomic landscapes of cutaneous basal cell carcinomas and squamous cell carcinomas. Genes and Diseases, 2021, 8, 181-192.	3.4	14
17	Proteome Landscape of Epithelial-to-Mesenchymal Transition (EMT) of Retinal Pigment Epithelium Shares Commonalities With Malignancy-Associated EMT. Molecular and Cellular Proteomics, 2021, 20, 100131.	3.8	12
18	An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. Nature Communications, 2021, 12, 795.	12.8	22

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19	Aberrant gene expression induced by a high fat diet is linked to H3K9 acetylation in the promoter-proximal region. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194691.	1.9	5
20	A single-cell atlas of the healthy breast tissues reveals clinically relevant clusters of breast epithelial cells. Cell Reports Medicine, 2021, 2, 100219.	6.5	48
21	BATF Regulates T Regulatory Cell Functional Specification and Fitness of Triglyceride Metabolism in Restraining Allergic Responses. Journal of Immunology, 2021, 206, 2088-2100.	0.8	11
22	Transcriptome Landscape of Epithelial to Mesenchymal Transition of Human Stem Cellâ€“Derived RPE. , 2021, 62, 1.		12
23	Genome wide DNA methylation landscape reveals glioblastomaâ€™s influence on epigenetic changes in tumor infiltrating CD4+ T cells. Oncotarget, 2021, 12, 967-981.	1.8	14
24	A comprehensive literature review and meta-analysis on prognostic value of BRCAm, HRRm and HRD+ across tumor types.. Journal of Clinical Oncology, 2021, 39, 3125-3125.	1.6	1
25	A comprehensive literature review and meta-analysis on prevalence of BRCAm, HRRm and HRD+ across tumor types.. Journal of Clinical Oncology, 2021, 39, 10589-10589.	1.6	0
26	Aging- and Tumor-Mediated Increase in CD8+CD28â^' T Cells Might Impose a Strong Barrier to Success of Immunotherapy in Glioblastoma. ImmunoHorizons, 2021, 5, 395-409.	1.8	8
27	LncRNA HBL1 is required for genome-wide PRC2 occupancy and function in cardiogenesis from human pluripotent stem cells. Development (Cambridge), 2021, 148, .	2.5	12
28	Updated SARSâ€CoVâ€2 single nucleotide variants and mortality association. Journal of Medical Virology, 2021, 93, 6525-6534.	5.0	16
29	ADGRG1 enriches for functional human hematopoietic stem cells following ex vivo expansionâ€“induced mitochondrial oxidative stress. Journal of Clinical Investigation, 2021, 131, .	8.2	9
30	Caspases Switch off the m ⁶ A RNA Modification Pathway to Foster the Replication of a Ubiquitous Human Tumor Virus. MBio, 2021, 12, e0170621.	4.1	10
31	Using CRISPR Interference as a Therapeutic Approach to Treat TGFÎ²2-Induced Ocular Hypertension and Glaucoma. , 2021, 62, 7.		8
32	SIRT6 controls hepatic lipogenesis by suppressing LXR, ChREBP, and SREBP1. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166249.	3.8	21
33	Î²-Lapachone Selectively Kills Hepatocellular Carcinoma Cells by Targeting NQO1 to Induce Extensive DNA Damage and PARP1 Hyperactivation. Frontiers in Oncology, 2021, 11, 747282.	2.8	11
34	An organoid-based screen for epigenetic inhibitors that stimulate antigen presentation and potentiate T-cell-mediated cytotoxicity. Nature Biomedical Engineering, 2021, 5, 1320-1335.	22.5	49
35	PRMT5 Cooperates with pICln to Function as a Master Epigenetic Activator of DNA Double-Strand Break Repair Genes. IScience, 2020, 23, 100750.	4.1	31
36	Protein Arginine Methyltransferase 5 Promotes pICln-Dependent Androgen Receptor Transcription in Castration-Resistant Prostate Cancer. Cancer Research, 2020, 80, 4904-4917.	0.9	18

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37	Upregulation of lipid metabolism genes in the breast prior to cancer diagnosis. Npj Breast Cancer, 2020, 6, 50.	5.2	46
38	Global targetome analysis reveals critical role of miR-29a in pancreatic stellate cell mediated regulation of PDAC tumor microenvironment. BMC Cancer, 2020, 20, 651.	2.6	12
39	Genetic Spectrum and Distinct Evolution Patterns of SARS-CoV-2. Frontiers in Microbiology, 2020, 11, 593548.	3.5	44
40	The HMGB1-RAGE axis modulates the growth of autophagy-deficient hepatic tumors. Cell Death and Disease, 2020, 11, 333.	6.3	14
41	Polymorphonuclear MDSCs are enriched in the stroma and expanded in metastases of prostate cancer. Journal of Pathology: Clinical Research, 2020, 6, 171-177.	3.0	22
42	Phenotypic Screening of Chemical Libraries Enriched by Molecular Docking to Multiple Targets Selected from Glioblastoma Genomic Data. ACS Chemical Biology, 2020, 15, 1424-1444.	3.4	4
43	Genome-wide studies reveal the essential and opposite roles of ARID1A in controlling human cardiogenesis and neurogenesis from pluripotent stem cells. Genome Biology, 2020, 21, 169.	8.8	28
44	miR-29a Is Repressed by MYC in Pancreatic Cancer and Its Restoration Drives Tumor-Suppressive Effects via Downregulation of LOXL2. Molecular Cancer Research, 2020, 18, 311-323.	3.4	27
45	Viime: Visualization and Integration of Metabolomics Experiments. Journal of Open Source Software, 2020, 5, 2410.	4.6	9
46	The epigenetic regulator SIRT6 protects the liver from alcohol-induced tissue injury by reducing oxidative stress in mice. Journal of Hepatology, 2019, 71, 960-969.	3.7	79
47	Phorbol ester induced ex vivo expansion of rigorously-defined phenotypic but not functional human cord blood hematopoietic stem cells: a cautionary tale demonstrating that phenotype does not always recapitulate stem cell function. Leukemia, 2019, 33, 2962-2966.	7.2	35
48	Phenotypical microRNA screen reveals a noncanonical role of CDK2 in regulating neutrophil migration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18561-18570.	7.1	39
49	Inducible overexpression of zebrafish microRNA-722 suppresses chemotaxis of human neutrophil like cells. Molecular Immunology, 2019, 112, 206-214.	2.2	13
50	Epigenomic profiling of retinal progenitors reveals LHX2 is required for developmental regulation of open chromatin. Communications Biology, 2019, 2, 142.	4.4	36
51	Spleen Tyrosine Kinaseâ€“Mediated Autophagy Is Required for Epithelialâ€“Mesenchymal Plasticity and Metastasis in Breast Cancer. Cancer Research, 2019, 79, 1831-1843.	0.9	95
52	Precise targeting of POLR2A as a therapeutic strategy for human triple negative breast cancer. Nature Nanotechnology, 2019, 14, 388-397.	31.5	107
53	Predictors of Nodal and Metastatic Failure in Early Stage Nonâ€“small-cell Lung Cancer After Stereotactic Body Radiation Therapy. Clinical Lung Cancer, 2019, 20, 186-193.e3.	2.6	3
54	The role of GLI-SOX2 signaling axis for gemcitabine resistance in pancreatic cancer. Oncogene, 2019, 38, 1764-1777.	5.9	56

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55	Follicular regulatory T cells inhibit the development of granzyme Bâ€“expressing follicular helper T cells. JCI Insight, 2019, 4, .	5.0	45
56	A phase I study of the APE1 protein inhibitor APX3330 in patients with advanced solid tumors.. Journal of Clinical Oncology, 2019, 37, 3097-3097.	1.6	21
57	Targeting UDP-Î±-d-glucose 6-dehydrogenase inhibits glioblastoma growth and migration. Oncogene, 2018, 37, 2615-2629.	5.9	37
58	Immunologic and gene expression profiles of spontaneous canine oligodendrogliomas. Journal of Neuro-Oncology, 2018, 137, 469-479.	2.9	25
59	MeDReaders: a database for transcription factors that bind to methylated DNA. Nucleic Acids Research, 2018, 46, D146-D151.	14.5	94
60	Targeting 17q23 amplicon to overcome the resistance to anti-HER2 therapy in HER2+ breast cancer. Nature Communications, 2018, 9, 4718.	12.8	44
61	Changes in mRNA/protein expression and signaling pathways in in vivo passaged mouse ovarian cancer cells. PLoS ONE, 2018, 13, e0197404.	2.5	8
62	Analysis of KLF4 regulated genes in cancer cells reveals a role of DNA methylation in promoter-enhancer interactions. Epigenetics, 2018, 13, 751-768.	2.7	15
63	Neutralizing negative epigenetic regulation by HDAC5 enhances human haematopoietic stem cell homing and engraftment. Nature Communications, 2018, 9, 2741.	12.8	56
64	Normal Breast-Derived Epithelial Cells with Luminal and Intrinsic Subtype-Enriched Gene Expression Document Interindividual Differences in Their Differentiation Cascade. Cancer Research, 2018, 78, 5107-5123.	0.9	42
65	Dependence receptor UNC5A restricts luminal to basal breast cancer plasticity and metastasis. Breast Cancer Research, 2018, 20, 35.	5.0	14
66	Germline and Somatic DNA Damage Repair Gene Mutations and Overall Survival in Metastatic Pancreatic Adenocarcinoma Patients Treated with FOLFIRINOX. Clinical Cancer Research, 2018, 24, 6204-6211.	7.0	61
67	Histology, Tumor Volume, and Radiation Dose Predict Outcomes in NSCLC Patients After Stereotactic Ablative Radiotherapy. Journal of Thoracic Oncology, 2018, 13, 1549-1559.	1.1	31
68	Foxd1 is required for terminal differentiation of anterior hypothalamic neuronal subtypes. Developmental Biology, 2018, 439, 102-111.	2.0	28
69	Somatic mutation of the cohesin complex subunit confers therapeutic vulnerabilities in cancer. Journal of Clinical Investigation, 2018, 128, 2951-2965.	8.2	36
70	The effect of thoracic radiation on overall survival and their association with systemic immune therapy in stage IV NSCLC: Findings from the National Cancer Database.. Journal of Clinical Oncology, 2018, 36, 9103-9103.	1.6	1
71	The amino acid transporter SLC36A4 regulates the amino acid pool in retinal pigmented epithelial cells and mediates the mechanistic target of rapamycin, complex 1 signaling. Aging Cell, 2017, 16, 349-359.	6.7	32
72	A Human Proteome Array Approach to Identifying Key Host Proteins Targeted by Toxoplasma Kinase ROP18. Molecular and Cellular Proteomics, 2017, 16, 469-484.	3.8	28

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73	Polo-like kinase 1 (Plk1) overexpression enhances ionizing radiation-induced cancer formation in mice. Journal of Biological Chemistry, 2017, 292, 17461-17472.	3.4	23
74	Methylated cis-regulatory elements mediate KLF4-dependent gene transactivation and cell migration. ELife, 2017, 6, .	6.0	39
75	Methods of MicroRNA Promoter Prediction and Transcription Factor Mediated Regulatory Network. BioMed Research International, 2017, 2017, 1-8.	1.9	50
76	Assessing the model transferability for prediction of transcription factor binding sites based on chromatin accessibility. BMC Bioinformatics, 2017, 18, 355.	2.6	22
77	Off Target, but Sequence-Specific, shRNA-Associated Trans-Activation of Promoter Reporters in Transient Transfection Assays. PLoS ONE, 2016, 11, e0167867.	2.5	1
78	Temporal patterns of gene expression during calyx of held development. Developmental Neurobiology, 2016, 76, 166-189.	3.0	16
79	Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. Molecular Cell, 2016, 61, 153-160.	9.7	74
80	Thioredoxin rod-derived cone viability factor protects against photooxidative retinal damage. Free Radical Biology and Medicine, 2015, 81, 22-29.	2.9	33
81	Characterization of tissue-specific differential DNA methylation suggests distinct modes of positive and negative gene expression regulation. BMC Genomics, 2015, 16, 49.	2.8	132
82	Small-moleculeâ€“directed, efficient generation of retinal pigment epithelium from human pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10950-10955.	7.1	114
83	Phosphoproteomic Profiling Reveals Epstein-Barr Virus Protein Kinase Integration of DNA Damage Response and Mitotic Signaling. PLoS Pathogens, 2015, 11, e1005346.	4.7	53
84	Abstract 2863: DNA methylation dictates transcription factor binding and gene activation in brain tumor. , 2015, , .		0
85	The Transcription Factor GTF2IRD1 Regulates the Topology and Function of Photoreceptors by Modulating Photoreceptor Gene Expression across the Retina. Journal of Neuroscience, 2014, 34, 15356-15368.	3.6	10
86	Oxidative stress induces mitochondrial dysfunction and a protective unfolded protein response in RPE cells. Free Radical Biology and Medicine, 2014, 69, 1-14.	2.9	81
87	Transcription Factor SOX9 Plays a Key Role in the Regulation of Visual Cycle Gene Expression in the Retinal Pigment Epithelium. Journal of Biological Chemistry, 2014, 289, 12908-12921.	3.4	49
88	A novel methyl-binding domain protein enrichment method for identifying genome-wide tissue-specific DNA methylation from nanogram DNA samples. Epigenetics and Chromatin, 2013, 6, 17.	3.9	17
89	Integrative analysis of tissue-specific methylation and alternative splicing identifies conserved transcription factor binding motifs. Nucleic Acids Research, 2013, 41, 8503-8514.	14.5	46
90	Computational Systems Biology. Scientific World Journal, The, 2013, 2013, 1-2.	2.1	2

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91	Profiling the Dynamics of a Human Phosphorylome Reveals New Components in HGF/c-Met Signaling. PLoS ONE, 2013, 8, e72671.	2.5	19
92	DNA methylation presents distinct binding sites for human transcription factors. ELife, 2013, 2, e00726.	6.0	292
93	Phosphorylation of the Chromatin Binding Domain of KSHV LANA. PLoS Pathogens, 2012, 8, e1002972.	4.7	32
94	Generalized Exact Dynamic Localization in Curved Coupled Optical Waveguide Arrays. Physical Review Letters, 2012, 109, 103901.	7.8	18
95	Unbiased Discovery of Interactions at a Control Locus Driving Expression of the Cancer-Specific Therapeutic and Diagnostic Target, Mesothelin. Journal of Proteome Research, 2012, 11, 5301-5310.	3.7	6
96	Cell-Specific DNA Methylation Patterns of Retina-Specific Genes. PLoS ONE, 2012, 7, e32602.	2.5	55
97	Dynamic usage of alternative splicing exons during mouse retina development. Nucleic Acids Research, 2011, 39, 7920-7930.	14.5	33
98	Comparison of Humoral Immune Responses to Epstein-Barr Virus and Kaposiâ€™s Sarcomaâ€“Associated Herpesvirus Using a Viral Proteome Microarray. Journal of Infectious Diseases, 2011, 204, 1683-1691.	4.0	33
99	MicroRNA Profile of the Developing Mouse Retina. , 2010, 51, 1823.		98
100	Computational analysis of tissue-specific gene networks: application to murine retinal functional studies. Bioinformatics, 2010, 26, 2289-2297.	4.1	26
101	Quasi-Bloch Oscillations in Curved Coupled Optical Waveguides. Physical Review Letters, 2009, 103, 143903.	7.8	35
102	Relating periodicity of nucleosome organization and gene regulation. Bioinformatics, 2009, 25, 1782-1788.	4.1	13
103	Protein Acetylation Microarray Reveals that NuA4 Controls Key Metabolic Target Regulating Gluconeogenesis. Cell, 2009, 136, 1073-1084.	28.9	279
104	Exact dynamic localization in curved AlGaAs optical waveguide arrays. Optics Express, 2007, 15, 3212.	3.4	116
105	Electron dynamics and dynamic localization in asymmetric periodic potentials. Physical Review B, 2004, 69, .	3.2	3
106	Dynamic localization and quasi-Bloch oscillations in general periodic ac-dc electric fields. Physical Review B, 2004, 70, .	3.2	17
107	Dynamic localization in continuous ac electric fields. Physical Review B, 2002, 66, .	3.2	18
108	Enlargement of nontransmission frequency range in photonic crystals by using multiple heterostructures. Journal of Applied Physics, 2000, 87, 3174-3176.	2.5	56

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109	Photonic quantum-well structures: Multiple channeled filtering phenomena. Applied Physics Letters, 2000, 77, 3698-3700.	3.3	151
110	Large frequency range of negligible transmission in one-dimensional photonic quantum well structures. Applied Physics Letters, 1998, 73, 2084-2086.	3.3	136