

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	DNA methylation presents distinct binding sites for human transcription factors. <i>ELife</i> , 2013, 2, e00726.	6.0	292
2	Protein Acetylation Microarray Reveals that NuA4 Controls Key Metabolic Target Regulating Gluconeogenesis. <i>Cell</i> , 2009, 136, 1073-1084.	28.9	279
3	Photonic quantum-well structures: Multiple channeled filtering phenomena. <i>Applied Physics Letters</i> , 2000, 77, 3698-3700.	3.3	151
4	Large frequency range of negligible transmission in one-dimensional photonic quantum well structures. <i>Applied Physics Letters</i> , 1998, 73, 2084-2086.	3.3	136
5	Characterization of tissue-specific differential DNA methylation suggests distinct modes of positive and negative gene expression regulation. <i>BMC Genomics</i> , 2015, 16, 49.	2.8	132
6	Exact dynamic localization in curved AlGaAs optical waveguide arrays. <i>Optics Express</i> , 2007, 15, 3212.	3.4	116
7	Small-molecule-directed, efficient generation of retinal pigment epithelium from human pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10950-10955.	7.1	114
8	Precise targeting of POLR2A as a therapeutic strategy for human triple negative breast cancer. <i>Nature Nanotechnology</i> , 2019, 14, 388-397.	31.5	107
9	MicroRNA Profile of the Developing Mouse Retina. , 2010, 51, 1823.		98
10	Spleen Tyrosine Kinase-Mediated Autophagy Is Required for Epithelial-Mesenchymal Plasticity and Metastasis in Breast Cancer. <i>Cancer Research</i> , 2019, 79, 1831-1843.	0.9	95
11	MeDReaders: a database for transcription factors that bind to methylated DNA. <i>Nucleic Acids Research</i> , 2018, 46, D146-D151.	14.5	94
12	Oxidative stress induces mitochondrial dysfunction and a protective unfolded protein response in RPE cells. <i>Free Radical Biology and Medicine</i> , 2014, 69, 1-14.	2.9	81
13	The epigenetic regulator SIRT6 protects the liver from alcohol-induced tissue injury by reducing oxidative stress in mice. <i>Journal of Hepatology</i> , 2019, 71, 960-969.	3.7	79
14	Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. <i>Molecular Cell</i> , 2016, 61, 153-160.	9.7	74
15	GESS: a database of global evaluation of SARS-CoV-2/hCoV-19 sequences. <i>Nucleic Acids Research</i> , 2021, 49, D706-D714.	14.5	65
16	Germline and Somatic DNA Damage Repair Gene Mutations and Overall Survival in Metastatic Pancreatic Adenocarcinoma Patients Treated with FOLFIRINOX. <i>Clinical Cancer Research</i> , 2018, 24, 6204-6211.	7.0	61
17	Enlargement of nontransmission frequency range in photonic crystals by using multiple heterostructures. <i>Journal of Applied Physics</i> , 2000, 87, 3174-3176.	2.5	56
18	Neutralizing negative epigenetic regulation by HDAC5 enhances human haematopoietic stem cell homing and engraftment. <i>Nature Communications</i> , 2018, 9, 2741.	12.8	56

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19	The role of GLI-SOX2 signaling axis for gemcitabine resistance in pancreatic cancer. <i>Oncogene</i> , 2019, 38, 1764-1777.	5.9	56
20	Cell-Specific DNA Methylation Patterns of Retina-Specific Genes. <i>PLoS ONE</i> , 2012, 7, e32602.	2.5	55
21	Phosphoproteomic Profiling Reveals Epstein-Barr Virus Protein Kinase Integration of DNA Damage Response and Mitotic Signaling. <i>PLoS Pathogens</i> , 2015, 11, e1005346.	4.7	53
22	Methods of MicroRNA Promoter Prediction and Transcription Factor Mediated Regulatory Network. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	50
23	Transcription Factor SOX9 Plays a Key Role in the Regulation of Visual Cycle Gene Expression in the Retinal Pigment Epithelium. <i>Journal of Biological Chemistry</i> , 2014, 289, 12908-12921.	3.4	49
24	An organoid-based screen for epigenetic inhibitors that stimulate antigen presentation and potentiate T-cell-mediated cytotoxicity. <i>Nature Biomedical Engineering</i> , 2021, 5, 1320-1335.	22.5	49
25	A single-cell atlas of the healthy breast tissues reveals clinically relevant clusters of breast epithelial cells. <i>Cell Reports Medicine</i> , 2021, 2, 100219.	6.5	48
26	Integrative analysis of tissue-specific methylation and alternative splicing identifies conserved transcription factor binding motifs. <i>Nucleic Acids Research</i> , 2013, 41, 8503-8514.	14.5	46
27	Upregulation of lipid metabolism genes in the breast prior to cancer diagnosis. <i>Npj Breast Cancer</i> , 2020, 6, 50.	5.2	46
28	Follicular regulatory T cells inhibit the development of granzyme B-expressing follicular helper T cells. <i>JCI Insight</i> , 2019, 4, .	5.0	45
29	Targeting 17q23 amplicon to overcome the resistance to anti-HER2 therapy in HER2+ breast cancer. <i>Nature Communications</i> , 2018, 9, 4718.	12.8	44
30	Genetic Spectrum and Distinct Evolution Patterns of SARS-CoV-2. <i>Frontiers in Microbiology</i> , 2020, 11, 593548.	3.5	44
31	Normal Breast-Derived Epithelial Cells with Luminal and Intrinsic Subtype-Enriched Gene Expression Document Interindividual Differences in Their Differentiation Cascade. <i>Cancer Research</i> , 2018, 78, 5107-5123.	0.9	42
32	Methylated cis-regulatory elements mediate KLF4-dependent gene transactivation and cell migration. <i>ELife</i> , 2017, 6, .	6.0	39
33	Phenotypical microRNA screen reveals a noncanonical role of CDK2 in regulating neutrophil migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18561-18570.	7.1	39
34	Targeting UDP-glucose 6-dehydrogenase inhibits glioblastoma growth and migration. <i>Oncogene</i> , 2018, 37, 2615-2629.	5.9	37
35	Epigenomic profiling of retinal progenitors reveals LHX2 is required for developmental regulation of open chromatin. <i>Communications Biology</i> , 2019, 2, 142.	4.4	36
36	Somatic mutation of the cohesin complex subunit confers therapeutic vulnerabilities in cancer. <i>Journal of Clinical Investigation</i> , 2018, 128, 2951-2965.	8.2	36

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37	Quasi-Bloch Oscillations in Curved Coupled Optical Waveguides. <i>Physical Review Letters</i> , 2009, 103, 143903.	7.8	35
38	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. <i>Leukemia</i> , 2019, 33, 2962-2966.	7.2	35
39	Dynamic usage of alternative splicing exons during mouse retina development. <i>Nucleic Acids Research</i> , 2011, 39, 7920-7930.	14.5	33
40	Comparison of Humoral Immune Responses to Epstein-Barr Virus and Kaposi's Sarcoma-Associated Herpesvirus Using a Viral Proteome Microarray. <i>Journal of Infectious Diseases</i> , 2011, 204, 1683-1691.	4.0	33
41	Thioredoxin rod-derived cone viability factor protects against photooxidative retinal damage. <i>Free Radical Biology and Medicine</i> , 2015, 81, 22-29.	2.9	33
42	Phosphorylation of the Chromatin Binding Domain of KSHV LANA. <i>PLoS Pathogens</i> , 2012, 8, e1002972.	4.7	32
43	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. <i>Aging Cell</i> , 2017, 16, 349-359.	6.7	32
44	Histology, Tumor Volume, and Radiation Dose Predict Outcomes in NSCLC Patients After Stereotactic Ablative Radiotherapy. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1549-1559.	1.1	31
45	PRMT5 Cooperates with pICln to Function as a Master Epigenetic Activator of DNA Double-Strand Break Repair Genes. <i>IScience</i> , 2020, 23, 100750.	4.1	31
46	Sex specificity of pancreatic cancer cachexia phenotypes, mechanisms, and treatment in mice and humans: role of Activin. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 2146-2161.	7.3	31
47	A Human Proteome Array Approach to Identifying Key Host Proteins Targeted by Toxoplasma Kinase ROP18. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 469-484.	3.8	28
48	Foxd1 is required for terminal differentiation of anterior hypothalamic neuronal subtypes. <i>Developmental Biology</i> , 2018, 439, 102-111.	2.0	28
49	Genome-wide studies reveal the essential and opposite roles of ARID1A in controlling human cardiogenesis and neurogenesis from pluripotent stem cells. <i>Genome Biology</i> , 2020, 21, 169.	8.8	28
50	miR-29a Is Repressed by MYC in Pancreatic Cancer and Its Restoration Drives Tumor-Suppressive Effects via Downregulation of LOXL2. <i>Molecular Cancer Research</i> , 2020, 18, 311-323.	3.4	27
51	Computational analysis of tissue-specific gene networks: application to murine retinal functional studies. <i>Bioinformatics</i> , 2010, 26, 2289-2297.	4.1	26
52	Immunologic and gene expression profiles of spontaneous canine oligodendrogliomas. <i>Journal of Neuro-Oncology</i> , 2018, 137, 469-479.	2.9	25
53	Polo-like kinase 1 (Plk1) overexpression enhances ionizing radiation-induced cancer formation in mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 17461-17472.	3.4	23
54	Assessing the model transferability for prediction of transcription factor binding sites based on chromatin accessibility. <i>BMC Bioinformatics</i> , 2017, 18, 355.	2.6	22

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55	Polymorphonuclear MDSCs are enriched in the stroma and expanded in metastases of prostate cancer. <i>Journal of Pathology: Clinical Research</i> , 2020, 6, 171-177.	3.0	22
56	An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. <i>Nature Communications</i> , 2021, 12, 795.	12.8	22
57	SIRT6 controls hepatic lipogenesis by suppressing LXR, ChREBP, and SREBP1. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166249.	3.8	21
58	A phase I study of the APE1 protein inhibitor APX3330 in patients with advanced solid tumors.. <i>Journal of Clinical Oncology</i> , 2019, 37, 3097-3097.	1.6	21
59	FOXP3 exon 2 controls T _{reg} stability and autoimmunity. <i>Science Immunology</i> , 2022, 7, .	11.9	21
60	Genome-wide DNA hypermethylation opposes healing in patients with chronic wounds by impairing epithelial-mesenchymal transition. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	20
61	Profiling the Dynamics of a Human Phosphorylome Reveals New Components in HGF/c-Met Signaling. <i>PLoS ONE</i> , 2013, 8, e72671.	2.5	19
62	Dynamic localization in continuous ac electric fields. <i>Physical Review B</i> , 2002, 66, .	3.2	18
63	Generalized Exact Dynamic Localization in Curved Coupled Optical Waveguide Arrays. <i>Physical Review Letters</i> , 2012, 109, 103901.	7.8	18
64	Protein Arginine Methyltransferase 5 Promotes pCln-Dependent Androgen Receptor Transcription in Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , 2020, 80, 4904-4917.	0.9	18
65	Dynamic localization and quasi-Bloch oscillations in general periodic ac-dc electric fields. <i>Physical Review B</i> , 2004, 70, .	3.2	17
66	A novel methyl-binding domain protein enrichment method for identifying genome-wide tissue-specific DNA methylation from nanogram DNA samples. <i>Epigenetics and Chromatin</i> , 2013, 6, 17.	3.9	17
67	Temporal patterns of gene expression during calyx of held development. <i>Developmental Neurobiology</i> , 2016, 76, 166-189.	3.0	16
68	Updated SARSâ€CoVâ€2 single nucleotide variants and mortality association. <i>Journal of Medical Virology</i> , 2021, 93, 6525-6534.	5.0	16
69	Analysis of KLF4 regulated genes in cancer cells reveals a role of DNA methylation in promoter-enhancer interactions. <i>Epigenetics</i> , 2018, 13, 751-768.	2.7	15
70	Pharmacological activation of nitric oxide signaling promotes human hematopoietic stem cell homing and engraftment. <i>Leukemia</i> , 2021, 35, 229-234.	7.2	15
71	A survey on computational methods in discovering protein inhibitors of SARS-CoV-2. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	15
72	Dependence receptor UNC5A restricts luminal to basal breast cancer plasticity and metastasis. <i>Breast Cancer Research</i> , 2018, 20, 35.	5.0	14

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73	The HMGB1-RAGE axis modulates the growth of autophagy-deficient hepatic tumors. <i>Cell Death and Disease</i> , 2020, 11, 333.	6.3	14
74	Distinct transcriptomic landscapes of cutaneous basal cell carcinomas and squamous cell carcinomas. <i>Genes and Diseases</i> , 2021, 8, 181-192.	3.4	14
75	Genome wide DNA methylation landscape reveals glioblastoma's influence on epigenetic changes in tumor infiltrating CD4+ T cells. <i>Oncotarget</i> , 2021, 12, 967-981.	1.8	14
76	Endothelial Phospholipase C β 2 Improves Outcomes of Diabetic Ischemic Limb Rescue Following VEGF Therapy. <i>Diabetes</i> , 2022, 71, 1149-1165.	0.6	14
77	Relating periodicity of nucleosome organization and gene regulation. <i>Bioinformatics</i> , 2009, 25, 1782-1788.	4.1	13
78	Inducible overexpression of zebrafish microRNA-722 suppresses chemotaxis of human neutrophil like cells. <i>Molecular Immunology</i> , 2019, 112, 206-214.	2.2	13
79	Targeting Protein Arginine Methyltransferase 5 Suppresses Radiation-induced Neuroendocrine Differentiation and Sensitizes Prostate Cancer Cells to Radiation. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 448-459.	4.1	13
80	Global targetome analysis reveals critical role of miR-29a in pancreatic stellate cell mediated regulation of PDAC tumor microenvironment. <i>BMC Cancer</i> , 2020, 20, 651.	2.6	12
81	Proteome Landscape of Epithelial-to-Mesenchymal Transition (EMT) of Retinal Pigment Epithelium Shares Commonalities With Malignancy-Associated EMT. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100131.	3.8	12
82	Transcriptome Landscape of Epithelial to Mesenchymal Transition of Human Stem Cell-Derived RPE. , 2021, 62, 1.		12
83	LncRNA <i>HBL1</i> is required for genome-wide PRC2 occupancy and function in cardiogenesis from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	12
84	BATF Regulates T Regulatory Cell Functional Specification and Fitness of Triglyceride Metabolism in Restraining Allergic Responses. <i>Journal of Immunology</i> , 2021, 206, 2088-2100.	0.8	11
85	β -Lapachone Selectively Kills Hepatocellular Carcinoma Cells by Targeting NQO1 to Induce Extensive DNA Damage and PARP1 Hyperactivation. <i>Frontiers in Oncology</i> , 2021, 11, 747282.	2.8	11
86	The Transcription Factor GTF2IRD1 Regulates the Topology and Function of Photoreceptors by Modulating Photoreceptor Gene Expression across the Retina. <i>Journal of Neuroscience</i> , 2014, 34, 15356-15368.	3.6	10
87	Caspases Switch off the m ⁶ A RNA Modification Pathway to Foster the Replication of a Ubiquitous Human Tumor Virus. <i>MBio</i> , 2021, 12, e0170621.	4.1	10
88	ADGRG1 enriches for functional human hematopoietic stem cells following ex vivo expansion-induced mitochondrial oxidative stress. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	9
89	Viime: Visualization and Integration of Metabolomics Experiments. <i>Journal of Open Source Software</i> , 2020, 5, 2410.	4.6	9
90	Changes in mRNA/protein expression and signaling pathways in in vivo passaged mouse ovarian cancer cells. <i>PLoS ONE</i> , 2018, 13, e0197404.	2.5	8

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91	Genome-wide DNA methylation profiling in human breast tissue by Illumina TruSeq methyl capture EPIC sequencing and infinium methylationEPIC beadchip microarray. <i>Epigenetics</i> , 2021, 16, 754-769.	2.7	8
92	Ageing- and Tumor-Mediated Increase in CD8+CD28 ^{hi} T Cells Might Impose a Strong Barrier to Success of Immunotherapy in Glioblastoma. <i>ImmunoHorizons</i> , 2021, 5, 395-409.	1.8	8
93	Using CRISPR Interference as a Therapeutic Approach to Treat TGF β 2-Induced Ocular Hypertension and Glaucoma. , 2021, 62, 7.		8
94	Metformin bicarbonate-mediated efficient RNAi for precise targeting of TP53 deficiency in colon and rectal cancers. <i>Nano Today</i> , 2022, 43, 101406.	11.9	8
95	The impact of SBF2 on taxane-induced peripheral neuropathy. <i>PLoS Genetics</i> , 2022, 18, e1009968.	3.5	7
96	Unbiased Discovery of Interactions at a Control Locus Driving Expression of the Cancer-Specific Therapeutic and Diagnostic Target, Mesothelin. <i>Journal of Proteome Research</i> , 2012, 11, 5301-5310.	3.7	6
97	Aberrant gene expression induced by a high fat diet is linked to H3K9 acetylation in the promoter-proximal region. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021, 1864, 194691.	1.9	5
98	Rora Regulates Neutrophil Migration and Activation in Zebrafish. <i>Frontiers in Immunology</i> , 2022, 13, 756034.	4.8	5
99	Phenotypic Screening of Chemical Libraries Enriched by Molecular Docking to Multiple Targets Selected from Glioblastoma Genomic Data. <i>ACS Chemical Biology</i> , 2020, 15, 1424-1444.	3.4	4
100	Electron dynamics and dynamic localization in asymmetric periodic potentials. <i>Physical Review B</i> , 2004, 69, .	3.2	3
101	Predictors of Nodal and Metastatic Failure in Early Stage Non $\small{\text{--}}$ small-cell Lung Cancer After Stereotactic Body Radiation Therapy. <i>Clinical Lung Cancer</i> , 2019, 20, 186-193.e3.	2.6	3
102	Computational Systems Biology. <i>Scientific World Journal, The</i> , 2013, 2013, 1-2.	2.1	2
103	Genome-wide analyses reveal the detrimental impacts of SARS-CoV-2 viral gene Orf9c on human pluripotent stem cell-derived cardiomyocytes. <i>Stem Cell Reports</i> , 2022, 17, 522-537.	4.8	2
104	Development and evaluation of ActSeq: A targeted next-generation sequencing panel for clinical oncology use. <i>PLoS ONE</i> , 2022, 17, e0266914.	2.5	2
105	Off Target, but Sequence-Specific, shRNA-Associated Trans-Activation of Promoter Reporters in Transient Transfection Assays. <i>PLoS ONE</i> , 2016, 11, e0167867.	2.5	1
106	A comprehensive literature review and meta-analysis on prognostic value of BRCAm, HRRm and HRD+ across tumor types.. <i>Journal of Clinical Oncology</i> , 2021, 39, 3125-3125.	1.6	1
107	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.. <i>Journal of Clinical Oncology</i> , 2018, 36, 9103-9103.	1.6	1
108	A comprehensive literature review and meta-analysis on prevalence of BRCAm, HRRm and HRD+ across tumor types.. <i>Journal of Clinical Oncology</i> , 2021, 39, 10589-10589.	1.6	0

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109	Abstract 2863: DNA methylation dictates transcription factor binding and gene activation in brain tumor. , 2015, , .		0
110	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