

Xin Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66 papers	4,983 citations	25 h-index	70 g-index
73 ext. papers	6,590 ext. citations	12.2 avg, IF	5.01 L-index

#	Paper	IF	Citations
66	Single-cell RNA-seq recognized the initiator of epithelial ovarian cancer recurrence.. <i>Oncogene</i> , 2022 ,	9.2	2
65	Diagnosis and prognosis of breast cancer by high-performance serum metabolic fingerprints.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2122245119 ^{11.5}	11.5	9
64	Colorectal cancer subtype identification from differential gene expression levels using minimalist deep learning.. <i>BioData Mining</i> , 2022 , 15, 12	4.3	0
63	Inhibition of Vascular Growth by Modulation of the Anandamide/Fatty Acid Amide Hydrolase Axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2974-2989	9.4	0
62	Attention to time-of-day variability improves the reproducibility of gene expression patterns in multiple sclerosis. <i>IScience</i> , 2021 , 24, 103247	6.1	1
61	TCOF1 upregulation in triple-negative breast cancer promotes stemness and tumour growth and correlates with poor prognosis. <i>British Journal of Cancer</i> , 2021 ,	8.7	1
60	Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence. <i>Cell Reports</i> , 2021 , 34, 108920	10.6	6
59	Weighted Gene Co-expression Network Analysis Identifies CALD1 as a Biomarker Related to M2 Macrophages Infiltration in Stage III and IV Mismatch Repair-Proficient Colorectal Carcinoma. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 649363	5.6	1
58	NEM-Tar: A Probabilistic Graphical Model for Cancer Regulatory Network Inference and Prioritization of Potential Therapeutic Targets From Multi-Omics Data. <i>Frontiers in Genetics</i> , 2021 , 12, 608042	4.5	
57	Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling. <i>Nature Communications</i> , 2021 , 12, 2242	17.4	9
56	OCaMIR-A Noninvasive, Diagnostic Signature for Early-Stage Ovarian Cancer: A Multi-cohort Retrospective and Prospective Study. <i>Clinical Cancer Research</i> , 2021 , 27, 4277-4286	12.9	3
55	Multi-Omics Data Fusion for Cancer Molecular Subtyping Using Sparse Canonical Correlation Analysis. <i>Frontiers in Genetics</i> , 2021 , 12, 607817	4.5	0
54	The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100374	5.4	1
53	Plasma cells shape the mesenchymal identity of ovarian cancers through transfer of exosome-derived microRNAs. <i>Science Advances</i> , 2021 , 7,	14.3	5
52	Targeting m6A modification inhibits herpes virus 1 infection. <i>Genes and Diseases</i> , 2021 ,	6.6	6
51	Structural mechanism of bivalent histone H3K4me3K9me3 recognition by the Spindlin1/C11orf84 complex in rRNA transcription activation. <i>Nature Communications</i> , 2021 , 12, 949	17.4	5
50	Profiling MicroRNAs with Associated Spatial Dynamics in Acute Tissue Slices. <i>ACS Nano</i> , 2021 , 15, 4881-4892	18.7	2

49	Identification of prognostic spatial organization features in colorectal cancer microenvironment using deep learning on histopathology images 2021 , 2, 100008		1
48	An integrated workflow for biomarker development using microRNAs in extracellular vesicles for cancer precision medicine. <i>Seminars in Cancer Biology</i> , 2021 , 74, 134-155	12.7	4
47	<i>Pseudomonas syringae</i> dual-function protein Lon switches between virulence and metabolism by acting as both DNA-binding transcriptional regulator and protease in different environments. <i>Environmental Microbiology</i> , 2020 , 22, 2968-2988	5.2	7
46	Genomic and Epigenomic Features of Primary and Recurrent Hepatocellular Carcinomas. <i>Gastroenterology</i> , 2020 ,	13.3	1
45	High-throughput intracellular biopsy of microRNAs for dissecting the temporal dynamics of cellular heterogeneity. <i>Science Advances</i> , 2020 , 6, eaba4971	14.3	7
44	Cancer-associated histone mutation H2BG53D disrupts DNA-histone octamer interaction and promotes oncogenic phenotypes. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 27	21	8
43	The H2BG53D oncohistone directly upregulates ANXA3 transcription and enhances cell migration in pancreatic ductal adenocarcinoma. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 106	21	2
42	Unsupervised class discovery in pancreatic ductal adenocarcinoma reveals cell-intrinsic mesenchymal features and high concordance between existing classification systems. <i>Scientific Reports</i> , 2020 , 10, 337	4.9	21
41	A Network-Based Approach for Identification of Subtype-Specific Master Regulators in Pancreatic Ductal Adenocarcinoma. <i>Genes</i> , 2020 , 11,	4.2	5
40	Demyelination Regulates the Circadian Transcription Factor BMAL1 to Signal Adult Neural Stem Cells to Initiate Oligodendrogenesis. <i>Cell Reports</i> , 2020 , 33, 108394	10.6	8
39	Novel therapeutic strategies for treating infection. <i>Expert Opinion on Drug Discovery</i> , 2020 , 15, 1403-1428.	2	12
38	c-myc regulates the sensitivity of breast cancer cells to palbociclib via c-myc/miR-29b-3p/CDK6 axis. <i>Cell Death and Disease</i> , 2020 , 11, 760	9.8	15
37	Single-cell EMT-related transcriptional analysis revealed intra-cluster heterogeneity of tumor cell clusters in epithelial ovarian cancer ascites. <i>Oncogene</i> , 2020 , 39, 4227-4240	9.2	13
36	Gene Expression Signature in Surgical Tissues and Endoscopic Biopsies Identifies High-Risk T1 Colorectal Cancers. <i>Gastroenterology</i> , 2019 , 156, 2338-2341.e3	13.3	15
35	RNAMethyPro: a biologically conserved signature of N6-methyladenosine regulators for predicting survival at pan-cancer level. <i>Npj Precision Oncology</i> , 2019 , 3, 13	9.8	15
34	A genomewide transcriptomic approach identifies a novel gene expression signature for the detection of lymph node metastasis in patients with early stage gastric cancer. <i>EBioMedicine</i> , 2019 , 41, 268-275	8.8	13
33	Molecular subtyping of colorectal cancer: Recent progress, new challenges and emerging opportunities. <i>Seminars in Cancer Biology</i> , 2019 , 55, 37-52	12.7	73
32	DeepCC: a novel deep learning-based framework for cancer molecular subtype classification. <i>Oncogenesis</i> , 2019 , 8, 44	6.6	58

31	An integrated genomic regulatory network of virulence-related transcriptional factors in <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2019 , 10, 2931	17.4	54
30	Integrative network biology analysis identifies miR-508-3p as the determinant for the mesenchymal identity and a strong prognostic biomarker of ovarian cancer. <i>Oncogene</i> , 2019 , 38, 2305-2319	9.2	31
29	Genome-wide Discovery and Identification of a Novel miRNA Signature for Recurrence Prediction in Stage II and III Colorectal Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 3867-3877	12.9	28
28	A MicroRNA Signature Associated With Metastasis of T1 Colorectal Cancers to Lymph Nodes. <i>Gastroenterology</i> , 2018 , 154, 844-848.e7	13.3	46
27	Consensus molecular subtypes of colorectal cancer are recapitulated in in vitro and in vivo models. <i>Cell Death and Differentiation</i> , 2018 , 25, 616-633	12.7	89
26	Pharmacological activation of estrogen receptor beta augments innate immunity to suppress cancer metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3673-E3681	11.5	39
25	The RNA binding protein SORBS2 suppresses metastatic colonization of ovarian cancer by stabilizing tumor-suppressive immunomodulatory transcripts. <i>Genome Biology</i> , 2018 , 19, 35	18.3	42
24	Regeneration of cortical tissue from brain injury by implantation of defined molecular gradient of semaphorin 3A. <i>Biomaterials</i> , 2018 , 157, 125-135	15.6	20
23	High-throughput three-dimensional chemotactic assays reveal steepness-dependent complexity in neuronal sensation to molecular gradients. <i>Nature Communications</i> , 2018 , 9, 4745	17.4	20
22	High-throughput brain activity mapping and machine learning as a foundation for systems neuropharmacology. <i>Nature Communications</i> , 2018 , 9, 5142	17.4	20
21	Dissecting cancer heterogeneity based on dimension reduction of transcriptomic profiles using extreme learning machines. <i>PLoS ONE</i> , 2018 , 13, e0203824	3.7	5
20	Tetherless near-infrared control of brain activity in behaving animals using fully implantable upconversion microdevices. <i>Biomaterials</i> , 2017 , 142, 136-148	15.6	51
19	Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. <i>Clinical Cancer Research</i> , 2017 , 23, 387-398	12.9	98
18	Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. <i>Cell</i> , 2016 , 167, 1310-1322.e17	56.2	124
17	Transcription factors LRF and BCL11A independently repress expression of fetal hemoglobin. <i>Science</i> , 2016 , 351, 285-9	33.3	187
16	TGF β signaling directs serrated adenomas to the mesenchymal colorectal cancer subtype. <i>EMBO Molecular Medicine</i> , 2016 , 8, 745-60	12	90
15	A multidimensional network approach reveals microRNAs as determinants of the mesenchymal colorectal cancer subtype. <i>Oncogene</i> , 2016 , 35, 6026-6037	9.2	36
14	Colorectal cancer heterogeneity and targeted therapy: a case for molecular disease subtypes. <i>Cancer Research</i> , 2015 , 75, 245-9	10.1	120

13	The oncogenic BRD4-NUT chromatin regulator drives aberrant transcription within large topological domains. <i>Genes and Development</i> , 2015 , 29, 1507-23	12.6	116
12	The consensus molecular subtypes of colorectal cancer. <i>Nature Medicine</i> , 2015 , 21, 1350-6	50.5	2332
11	Reconstructing evolving signalling networks by hidden Markov nested effects models. <i>Annals of Applied Statistics</i> , 2014 , 8,	2.1	11
10	Reconciliation of classification systems defining molecular subtypes of colorectal cancer: interrelationships and clinical implications. <i>Cell Cycle</i> , 2014 , 13, 353-7	4.7	60
9	Dissecting cancer heterogeneity--an unsupervised classification approach. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 2574-9	5.6	18
8	Poor-prognosis colon cancer is defined by a molecularly distinct subtype and develops from serrated precursor lesions. <i>Nature Medicine</i> , 2013 , 19, 614-8	50.5	550
7	Master regulators of FGFR2 signalling and breast cancer risk. <i>Nature Communications</i> , 2013 , 4, 2464	17.4	128
6	RedeR: R/Bioconductor package for representing modular structures, nested networks and multiple levels of hierarchical associations. <i>Genome Biology</i> , 2012 , 13, R29	18.3	60
5	Diverse epigenetic strategies interact to control epidermal differentiation. <i>Nature Cell Biology</i> , 2012 , 14, 753-63	23.4	112
4	Posterior association networks and functional modules inferred from rich phenotypes of gene perturbations. <i>PLoS Computational Biology</i> , 2012 , 8, e1002566	5	13
3	HTSanalyzeR: an R/Bioconductor package for integrated network analysis of high-throughput screens. <i>Bioinformatics</i> , 2011 , 27, 879-80	7.2	100
2	A modified particle swarm optimization algorithm for reliability problems 2010 ,		3
1	Joining the dots: network analysis of gene perturbation data83-107		