

Xiaowei Wang

List of Publications by Year in descending order

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65
papers

8,621
citations

201575

27
h-index

114418

63
g-index

69
all docs

69
docs citations

69
times ranked

14690
citing authors

#	ARTICLE	IF	CITATIONS
1	miRDB: an online database for prediction of functional microRNA targets. <i>Nucleic Acids Research</i> , 2020, 48, D127-D131.	6.5	1,673
2	miRDB: an online resource for microRNA target prediction and functional annotations. <i>Nucleic Acids Research</i> , 2015, 43, D146-D152.	6.5	1,603
3	A PCR primer bank for quantitative gene expression analysis. <i>Nucleic Acids Research</i> , 2003, 31, 154e-154.	6.5	729
4	miRDB: A microRNA target prediction and functional annotation database with a wiki interface. <i>Rna</i> , 2008, 14, 1012-1017.	1.6	623
5	Prediction of functional microRNA targets by integrative modeling of microRNA binding and target expression data. <i>Genome Biology</i> , 2019, 20, 18.	3.8	556
6	PrimerBank: a PCR primer database for quantitative gene expression analysis, 2012 update. <i>Nucleic Acids Research</i> , 2012, 40, D1144-D1149.	6.5	533
7	Prediction of both conserved and nonconserved microRNA targets in animals. <i>Bioinformatics</i> , 2008, 24, 325-332.	1.8	516
8	WU-CRISPR: characteristics of functional guide RNAs for the CRISPR/Cas9 system. <i>Genome Biology</i> , 2015, 16, 218.	3.8	268
9	Systematic identification of microRNA functions by combining target prediction and expression profiling. <i>Nucleic Acids Research</i> , 2006, 34, 1646-1652.	6.5	204
10	Improving microRNA target prediction by modeling with unambiguously identified microRNA-target pairs from CLIP-ligation studies. <i>Bioinformatics</i> , 2016, 32, 1316-1322.	1.8	203
11	Selection of oligonucleotide probes for protein coding sequences. <i>Bioinformatics</i> , 2003, 19, 796-802.	1.8	132
12	Composition of seed sequence is a major determinant of microRNA targeting patterns. <i>Bioinformatics</i> , 2014, 30, 1377-1383.	1.8	109
13	A novel RT-qPCR method for quantification of human papillomavirus transcripts in archived tissues and its application in oropharyngeal cancer prognosis. <i>International Journal of Cancer</i> , 2013, 132, 882-890.	2.3	91
14	OncoDB: an interactive online database for analysis of gene expression and viral infection in cancer. <i>Nucleic Acids Research</i> , 2022, 50, D1334-D1339.	6.5	91
15	A PCR-based platform for microRNA expression profiling studies. <i>Rna</i> , 2009, 15, 716-723.	1.6	90
16	Prognostic microRNA signatures derived from The Cancer Genome Atlas for head and neck squamous cell carcinomas. <i>Cancer Medicine</i> , 2016, 5, 1619-1628.	1.3	86
17	A microRNA expression signature for the prognosis of oropharyngeal squamous cell carcinoma. <i>Cancer</i> , 2013, 119, 72-80.	2.0	67
18	Selection of hyperfunctional siRNAs with improved potency and specificity. <i>Nucleic Acids Research</i> , 2009, 37, e152-e152.	6.5	61

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19	Developing RT-LAMP assays for rapid diagnosis of SARS-CoV-2 in saliva. <i>EBioMedicine</i> , 2022, 75, 103736.	2.7	61
20	Focused Ultrasound-enabled Brain Tumor Liquid Biopsy. <i>Scientific Reports</i> , 2018, 8, 6553.	1.6	55
21	Activation of miR-9 by human papillomavirus in cervical cancer. <i>Oncotarget</i> , 2014, 5, 11620-11630.	0.8	53
22	Mass Spectrometry-Based Proteomics Reveals Potential Roles of NEK9 and MAP2K4 in Resistance to PI3K Inhibition in Triple-Negative Breast Cancers. <i>Cancer Research</i> , 2018, 78, 2732-2746.	0.4	52
23	Serum squamous cell carcinoma antigen as an early indicator of response during therapy of cervical cancer. <i>British Journal of Cancer</i> , 2018, 118, 72-78.	2.9	46
24	Pseudohypoxia induced by miR-126 deactivation promotes migration and therapeutic resistance in renal cell carcinoma. <i>Cancer Letters</i> , 2017, 394, 65-75.	3.2	45
25	Generalizable sgRNA design for improved CRISPR/Cas9 editing efficiency. <i>Bioinformatics</i> , 2020, 36, 2684-2689.	1.8	41
26	Robot-assisted versus laparoscopic surgery for rectal cancer: A systematic review and meta-analysis. <i>Journal of Cancer Research and Therapeutics</i> , 2020, 16, 979.	0.3	36
27	Dynamic host immune response in virus-associated cancers. <i>Communications Biology</i> , 2019, 2, 109.	2.0	34
28	Valproic acid sensitizes breast cancer cells to hydroxyurea through inhibiting RPA2 hyperphosphorylation-mediated DNA repair pathway. <i>DNA Repair</i> , 2017, 58, 1-12.	1.3	32
29	Androgen receptor-regulated miRNA-193a targets AJUBA to promote prostate cancer cell migration. <i>Prostate</i> , 2017, 77, 1000-1011.	1.2	29
30	Nonsense-Mediated RNA Decay Is a Unique Vulnerability of Cancer Cells Harboring <i>SF3B1</i> or <i>U2AF1</i> Mutations. <i>Cancer Research</i> , 2021, 81, 4499-4513.	0.4	28
31	OmniSearch: a semantic search system based on the Ontology for MicroRNA Target (OMIT) for microRNA-target gene interaction data. <i>Journal of Biomedical Semantics</i> , 2016, 7, 25.	0.9	27
32	Role of WDHD1 in Human Papillomavirus-Mediated Oncogenesis Identified by Transcriptional Profiling of E7-Expressing Cells. <i>Journal of Virology</i> , 2016, 90, 6071-6084.	1.5	26
33	Decreased local immune response and retained HPV gene expression during chemoradiotherapy are associated with treatment resistance and death from cervical cancer. <i>International Journal of Cancer</i> , 2020, 146, 2047-2058.	2.3	26
34	High E6 Gene Expression Predicts for Distant Metastasis and Poor Survival in Patients With HPV-Positive Oropharyngeal Squamous Cell Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1132-1141.	0.4	25
35	Valproic acid causes radiosensitivity of breast cancer cells via disrupting the DNA repair pathway. <i>Toxicology Research</i> , 2016, 5, 859-870.	0.9	23
36	Construction of an mRNA-miRNA-lncRNA network prognostic for triple-negative breast cancer. <i>Ageing</i> , 2021, 13, 1153-1175.	1.4	22

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37	Oropharyngeal Squamous Cell Carcinoma With Discordant p16 and HPV mRNA Results. American Journal of Surgical Pathology, 2021, Publish Ahead of Print, 951-961.	2.1	22
38	Sonobiopsy for minimally invasive, spatiotemporally-controlled, and sensitive detection of glioblastoma-derived circulating tumor DNA. Theranostics, 2022, 12, 362-378.	4.6	21
39	Results of Vertebral Augmentation Treatment for Patients of Painful Osteoporotic Vertebral Compression Fractures: A Meta-Analysis of Eight Randomized Controlled Trials. PLoS ONE, 2015, 10, e0138126.	1.1	18
40	Comprehensive profiling of extracellular RNA in HPV-induced cancers using an improved pipeline for small RNA-seq analysis. Scientific Reports, 2020, 10, 19450.	1.6	18
41	Diverse molecular functions of aspartate 2-hydroxylase in cancer (Review). Oncology Reports, 2020, 44, 2364-2372.	1.2	17
42	Mutations in KRAS codon 12 predict poor survival in Chinese patients with metastatic colorectal cancer. Oncology Letters, 2017, 15, 3161-3166.	0.8	16
43	A prognostic gene expression signature for oropharyngeal squamous cell carcinoma. EBioMedicine, 2020, 61, 102805.	2.7	16
44	Cognitive Impairment and 1-Year Outcome in Elderly Patients with Hip Fracture. Medical Science Monitor, 2014, 20, 1963-1968.	0.5	14
45	Early surgery increases mitochondrial DNA release and lung injury in a model of elderly hip fracture and chronic obstructive pulmonary disease. Experimental and Therapeutic Medicine, 2017, 14, 4541-4546.	0.8	13
46	Computational Prediction of MicroRNA Targets. Methods in Molecular Biology, 2010, 667, 283-295.	0.4	12
47	Oropharyngeal Squamous Cell Carcinoma Morphology and Subtypes by Human Papillomavirus Type and by 16 Lineages and Sublineages. Head and Neck Pathology, 2021, 15, 1089-1098.	1.3	12
48	The immune-related microRNA miR-146b is upregulated in glioblastoma recurrence. Oncotarget, 2018, 9, 29036-29046.	0.8	12
49	Preoperative radiotherapy for patients with rectal cancer: a risk factor for non-reversal of ileostomy caused by stenosis or stiffness proximal to colorectal anastomosis. Oncotarget, 2017, 8, 100746-100753.	0.8	11
50	Rational design of microRNA-siRNA chimeras for multifunctional target suppression. Rna, 2013, 19, 1745-1754.	1.6	10
51	A semantic approach for knowledge capture of MicroRNA-Target gene interactions. , 2015, , .		10
52	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. Journal of Biomedical Semantics, 2016, 7, 24.	0.9	10
53	A MicroRNA Expression Signature as Prognostic Marker for Oropharyngeal Squamous Cell Carcinoma. Journal of the National Cancer Institute, 2021, 113, 752-759.	3.0	10
54	The Valproate Mediates Radio-Bidirectional Regulation Through RFW3-Dependent Ubiquitination on Rad51. Frontiers in Oncology, 2021, 11, 646256.	1.3	8

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55	CRISPR/Cas9 Guide RNA Design Rules for Predicting Activity. <i>Methods in Molecular Biology</i> , 2020, 2115, 351-364.	0.4	8
56	Radiation induces iatrogenic immunosuppression by indirectly affecting hematopoiesis in bone marrow. <i>Oncotarget</i> , 2020, 11, 1681-1690.	0.8	7
57	Neuroendocrine Differentiation Is a Prognostic Factor for Stage II Poorly Differentiated Colorectal Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	6
58	Metastases to the thyroid gland: A retrospective analysis of 21 patients. <i>Journal of Cancer Research and Therapeutics</i> , 2018, 14, 1515.	0.3	6
59	Impact of human papillomavirus on the tumor microenvironment in oropharyngeal squamous cell carcinoma. <i>International Journal of Cancer</i> , 2022, 150, 521-531.	2.3	6
60	NF- κ B over-activation portends improved outcomes in HPV-associated head and neck cancer. <i>Oncotarget</i> , 2022, 13, 707-722.	0.8	5
61	Branched α -helical peptides enhanced antitumor efficacy and selectivity. <i>Biomaterials Science</i> , 2020, 8, 6387-6394.	2.6	4
62	Research on Orientation of Basic Fibroblast Growth Factor with Magnetic Nanoparticles (MNPs) on Regeneration and Recovery of Rats' Dampened Skeletal Muscle and Expressed Level of Matrix Metalloproteinase. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 557-564.	0.5	3
63	Learning-Based Cancer Treatment Outcome Prognosis Using Multimodal Biomarkers. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 231-244.	2.7	1
64	A domain ontology for the Non-Coding RNA field. , 2015, , .		0
65	A novel systematic approach for cancer treatment prognosis and its applications in oropharyngeal cancer with microRNA biomarkers. <i>Bioinformatics</i> , 2021, 37, 3106-3114.	1.8	0