Xiaowei Wang

List of Publications by Year
in descending order

65	8,621	201575	114418
papers	citations	27	63
		h-index	g-index

69	69	69	14690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Learning-Based Cancer Treatment Outcome Prognosis Using Multimodal Biomarkers. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 231-244.	2.7	1
2	OncoDB: an interactive online database for analysis of gene expression and viral infection in cancer. Nucleic Acids Research, 2022, 50, D1334-D1339.	6.5	91
3	Impact of human papillomavirus on the tumor microenvironment in oropharyngeal squamous cell carcinoma. International Journal of Cancer, 2022, 150, 521-531.	2.3	6
4	Sonobiopsy for minimally invasive, spatiotemporally-controlled, and sensitive detection of glioblastoma-derived circulating tumor DNA. Theranostics, 2022, 12, 362-378.	4.6	21
5	Developing RT-LAMP assays for rapid diagnosis of SARS-CoV-2 in saliva. EBioMedicine, 2022, 75, 103736.	2.7	61
6	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. Journal of Biomedical Nanotechnology, 2022, 18, 557-564.	0.5	3
7	NF-κB over-activation portends improved outcomes in HPV-associated head and neck cancer. Oncotarget, 2022, 13, 707-722.	0.8	5
8	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
9	Construction of an mRNA-miRNA-lncRNA network prognostic for triple-negative breast cancer. Aging, 2021, 13, 1153-1175.	1.4	22
10	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
11	The Valproate Mediates Radio-Bidirectional Regulation Through RFWD3-Dependent Ubiquitination on Rad51. Frontiers in Oncology, 2021, 11, 646256.	1.3	8
12	A novel systematic approach for cancer treatment prognosis and its applications in oropharyngeal cancer with microRNA biomarkers. Bioinformatics, 2021, 37, 3106-3114.	1.8	0
13	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
14	Nonsense-Mediated RNA Decay Is a Unique Vulnerability of Cancer Cells Harboring <i>SF3B1</i> or <i>U2AF1</i> Mutations. Cancer Research, 2021, 81, 4499-4513.	0.4	28
15	miRDB: an online database for prediction of functional microRNA targets. Nucleic Acids Research, 2020, 48, D127-D131.	6.5	1,673
16	Decreased local immune response and retained HPV gene expression during chemoradiotherapy are associated with treatment resistance and death from cervical cancer. International Journal of Cancer, 2020, 146, 2047-2058.	2.3	26
17	A prognostic gene expression signature for oropharyngeal squamous cell carcinoma. EBioMedicine, 2020, 61, 102805.	2.7	16
18	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

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19	Branched α-helical peptides enhanced antitumor efficacy and selectivity. Biomaterials Science, 2020, 8, 6387-6394.	2.6	4
20	Generalizable sgRNA design for improved CRISPR/Cas9 editing efficiency. Bioinformatics, 2020, 36, 2684-2689.	1.8	41
21	Diverse molecular functions of aspartate β-hydroxylase in cancer (Review). Oncology Reports, 2020, 44, 2364-2372.	1.2	17
22	Robot-assisted versus laparoscopic surgery for rectal cancer: A systematic review and meta-analysis. Journal of Cancer Research and Therapeutics, 2020, 16, 979.	0.3	36
23	Radiation induces iatrogenic immunosuppression by indirectly affecting hematopoiesis in bone marrow. Oncotarget, 2020, 11, 1681-1690.	0.8	7
24	CRISPR/Cas9 Guide RNA Design Rules for Predicting Activity. Methods in Molecular Biology, 2020, 2115, 351-364.	0.4	8
25	Prediction of functional microRNA targets by integrative modeling of microRNA binding and target expression data. Genome Biology, 2019, 20, 18.	3.8	556
26	Dynamic host immune response in virus-associated cancers. Communications Biology, 2019, 2, 109.	2.0	34
27	Mass Spectrometry–Based Proteomics Reveals Potential Roles of NEK9 and MAP2K4 in Resistance to PI3K Inhibition in Triple-Negative Breast Cancers. Cancer Research, 2018, 78, 2732-2746.	0.4	52
28	Focused Ultrasound-enabled Brain Tumor Liquid Biopsy. Scientific Reports, 2018, 8, 6553.	1.6	55
29	Serum squamous cell carcinoma antigen as an early indicator of response during therapy of cervical cancer. British Journal of Cancer, 2018, 118, 72-78.	2.9	46
30	The immune-related microRNA miR-146b is upregulated in glioblastoma recurrence. Oncotarget, 2018, 9, 29036-29046.	0.8	12
31	Metastases to the thyroid gland: A retrospective analysis of 21 patients. Journal of Cancer Research and Therapeutics, 2018, 14, 1515.	0.3	6
32	Androgen receptor–regulated miRNA-193a-3p targets AJUBA to promote prostate cancer cell migration. Prostate, 2017, 77, 1000-1011.	1.2	29
33	Pseudohypoxia induced by miR-126 deactivation promotes migration and therapeutic resistance in renal cell carcinoma. Cancer Letters, 2017, 394, 65-75.	3.2	45
34	Valproic acid sensitizes breast cancer cells to hydroxyurea through inhibiting RPA2 hyperphosphorylation-mediated DNA repair pathway. DNA Repair, 2017, 58, 1-12.	1.3	32
35	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
36	Mutations in KRAS codon 12 predict poor survival in Chinese patients with metastatic colorectal cancer. Oncology Letters, 2017, 15, 3161-3166.	0.8	16

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37	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
38	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
39	Role of WDHD1 in Human Papillomavirus-Mediated Oncogenesis Identified by Transcriptional Profiling of E7-Expressing Cells. Journal of Virology, 2016, 90, 6071-6084.	1.5	26
40	Prognostic micro<scp>RNA</scp> signatures derived from The Cancer Genome Atlas for head and neck squamous cell carcinomas. Cancer Medicine, 2016, 5, 1619-1628.	1.3	86
41	OmniSearch: a semantic search system based on the Ontology for MIcroRNA Target (OMIT) for microRNA-target gene interaction data. Journal of Biomedical Semantics, 2016, 7, 25.	0.9	27
42	Improving microRNA target prediction by modeling with unambiguously identified microRNA-target pairs from CLIP-ligation studies. Bioinformatics, 2016, 32, 1316-1322.	1.8	203
43	Valproic acid causes radiosensitivity of breast cancer cells via disrupting the DNA repair pathway. Toxicology Research, 2016, 5, 859-870.	0.9	23
44	High E6 Gene Expression Predicts for Distant Metastasis and Poor Survival in Patients With HPV-Positive Oropharyngeal Squamous Cell Carcinoma. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1132-1141.	0.4	25
45	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
46	A semantic approach for knowledge capture of MIcroRNA-Target gene interactions. , 2015, , .		10
47	A domain ontology for the Non-Coding RNA field. , 2015, , .		0
48	WU-CRISPR: characteristics of functional guide RNAs for the CRISPR/Cas9 system. Genome Biology, 2015, 16, 218.	3.8	268
49	miRDB: an online resource for microRNA target prediction and functional annotations. Nucleic Acids Research, 2015, 43, D146-D152.	6.5	1,603
50	Cognitive Impairment and 1-Year Outcome in Elderly Patients with Hip Fracture. Medical Science Monitor, 2014, 20, 1963-1968.	0.5	14
51	Activation of miR-9 by human papillomavirus in cervical cancer. Oncotarget, 2014, 5, 11620-11630.	0.8	53
52	Neuroendocrine Differentiation Is a Prognostic Factor for Stage II Poorly Differentiated Colorectal Cancer. BioMed Research International, 2014, 2014, 1-9.	0.9	6
53	Composition of seed sequence is a major determinant of microRNA targeting patterns. Bioinformatics, 2014, 30, 1377-1383.	1.8	109
54	A microRNA expression signature for the prognosis of oropharyngeal squamous cell carcinoma. Cancer, 2013, 119, 72-80.	2.0	67

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55	Rational design of microRNA–siRNA chimeras for multifunctional target suppression. Rna, 2013, 19, 1745-1754.	1.6	10
56	A novel RT–PCR method for quantification of human papillomavirus transcripts in archived tissues and its application in oropharyngeal cancer prognosis. International Journal of Cancer, 2013, 132, 882-890.	2.3	91
57	PrimerBank: a PCR primer database for quantitative gene expression analysis, 2012 update. Nucleic Acids Research, 2012, 40, D1144-D1149.	6.5	533
58	Computational Prediction of MicroRNA Targets. Methods in Molecular Biology, 2010, 667, 283-295.	0.4	12
59	A PCR-based platform for microRNA expression profiling studies. Rna, 2009, 15, 716-723.	1.6	90
60	Selection of hyperfunctional siRNAs with improved potency and specificity. Nucleic Acids Research, 2009, 37, e152-e152.	6.5	61
61	miRDB: A microRNA target prediction and functional annotation database with a wiki interface. Rna, 2008, 14, 1012-1017.	1.6	623
62	Prediction of both conserved and nonconserved microRNA targets in animals. Bioinformatics, 2008, 24, 325-332.	1.8	516
63	Systematic identification of microRNA functions by combining target prediction and expression profiling. Nucleic Acids Research, 2006, 34, 1646-1652.	6.5	204
64	A PCR primer bank for quantitative gene expression analysis. Nucleic Acids Research, 2003, 31, 154e-154.	6.5	729
65	Selection of oligonucleotide probes for protein coding sequences. Bioinformatics, 2003, 19, 796-802.	1.8	132