

Wei Gao

List of Publications by Year in descending order

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100
papers

2,953
citations

126907

33
h-index

214800

47
g-index

109
all docs

109
docs citations

109
times ranked

4375
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017, 17, 2138-2145.	9.1	179
2	<i>Arabidopsis thaliana</i> acyl-CoA-binding protein ACBP2 interacts with heavy-metal-binding farnesylated protein AtFP6. <i>New Phytologist</i> , 2009, 181, 89-102.	7.3	141
3	circPARD3 drives malignant progression and chemoresistance of laryngeal squamous cell carcinoma by inhibiting autophagy through the PRKCI-Akt-mTOR pathway. <i>Molecular Cancer</i> , 2020, 19, 166.	19.2	93
4	Circular RNA circCORO1C promotes laryngeal squamous cell carcinoma progression by modulating the let-7c-5p/PBX3 axis. <i>Molecular Cancer</i> , 2020, 19, 99.	19.2	90
5	Promoter Methylation-Regulated miR-145-5p Inhibits Laryngeal Squamous Cell Carcinoma Progression by Targeting FSCN1. <i>Molecular Therapy</i> , 2019, 27, 365-379.	8.2	88
6	Application of the CRISPR/Cas9-based gene editing technique in basic research, diagnosis, and therapy of cancer. <i>Molecular Cancer</i> , 2021, 20, 126.	19.2	86
7	Transcription Regulation of E-Cadherin by Zinc Finger E-Box Binding Homeobox Proteins in Solid Tumors. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	70
8	c-Myc inactivation of p53 through the pan-cancer lncRNA MILIP drives cancer pathogenesis. <i>Nature Communications</i> , 2020, 11, 4980.	12.8	70
9	Hyperoside exerts anti-inflammatory and anti-arthritis effects in LPS-stimulated human fibroblast-like synoviocytes in vitro and in mice with collagen-induced arthritis. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 674-686.	6.1	63
10	Crosstalk between RNA m6A Modification and Non-coding RNA Contributes to Cancer Growth and Progression. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 62-71.	5.1	59
11	Identification and characterization of CD133 ⁺ CD44 ⁺ cancer stem cells from human laryngeal squamous cell carcinoma cell lines. <i>Journal of Cancer</i> , 2017, 8, 497-506.	2.5	55
12	Effects of Electrolyte Mediation and MXene Size in Fiber-Shaped Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 2949-2958.	5.1	55
13	Curcumin exerts inhibitory effects on undifferentiated nasopharyngeal carcinoma by inhibiting the expression of miR-125a-5p. <i>Clinical Science</i> , 2014, 127, 571-579.	4.3	48
14	Accelerated Thermal Decomposition of Graphene Oxide Films in Air via <i>In Situ</i> X-ray Diffraction Analysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14984-14990.	3.1	48
15	Whole-Transcriptome Analysis of CD133 ⁺ CD144 ⁺ Cancer Stem Cells Derived from Human Laryngeal Squamous Cell Carcinoma Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1696-1710.	1.6	48
16	Mordant inspired wet-spinning of graphene fibers for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6869-6876.	10.3	47
17	MicroRNA-204-5p inhibits invasion and metastasis of laryngeal squamous cell carcinoma by suppressing forkhead box C1. <i>Journal of Cancer</i> , 2017, 8, 2356-2368.	2.5	46
18	Screen Printing of Graphene Oxide Patterns onto Viscose Nonwovens with Tunable Penetration Depth and Electrical Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14944-14951.	8.0	46

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19	Fascin actin-bundling protein 1 in human cancer: Promising biomarker or therapeutic target?. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 240-264.	4.4	45
20	The Structure and Function of the Glycocalyx and Its Connection With Blood-Brain Barrier. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 739699.	3.7	45
21	Inhibiting homologous recombination decreases extrachromosomal amplification but has no effect on intrachromosomal amplification in methotrexate-resistant colon cancer cells. <i>International Journal of Cancer</i> , 2019, 144, 1037-1048.	5.1	44
22	Electronic Metal-Support Interaction To Modulate MoS ₂ -Supported Pd Nanoparticles for the Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2019, 2, 3385-3393.	5.0	43
23	LncRNA REG1CP promotes tumorigenesis through an enhancer complex to recruit FANCD1 helicase for REG3A transcription. <i>Nature Communications</i> , 2019, 10, 5334.	12.8	43
24	Effect of HPV Infection on the Occurrence and Development of Laryngeal Cancer: A Review. <i>Journal of Cancer</i> , 2019, 10, 4455-4462.	2.5	42
25	MicroRNA-106b regulates the tumor suppressor RUNX3 in laryngeal carcinoma cells. <i>FEBS Letters</i> , 2013, 587, 3166-3174.	2.8	41
26	Long Non-Coding RNA Deregulation in Tongue Squamous Cell Carcinoma. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	41
27	Graphene-Fiber-Based Supercapacitors Favor N-Methyl-2-pyrrolidone/Ethyl Acetate as the Spinning Solvent/Coagulant Combination. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24568-24576.	8.0	41
28	Tumor microenvironment and immune-related therapies of head and neck squamous cell carcinoma. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 342-351.	4.4	40
29	The Efficacy of Triamcinolone Acetonide in Keloid Treatment: A Systematic Review and Meta-analysis. <i>Frontiers in Medicine</i> , 2016, 3, 71.	2.6	39
30	miR-424-5p Promotes Proliferation, Migration and Invasion of Laryngeal Squamous Cell Carcinoma. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 10441-10453.	2.0	39
31	Targeting SKA3 suppresses the proliferation and chemoresistance of laryngeal squamous cell carcinoma via impairing PLK1-AKT axis-mediated glycolysis. <i>Cell Death and Disease</i> , 2020, 11, 919.	6.3	38
32	MicroRNA 744-3p promotes MMP-9-mediated metastasis by simultaneously suppressing PDCD4 and PTEN in laryngeal squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 58218-58233.	1.8	38
33	Cancer-derived matrix metalloproteinase-9 contributes to tumor tolerance. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 1525-1533.	2.5	36
34	Hsa-miR-301a-3p Acts as an Oncogene in Laryngeal Squamous Cell Carcinoma via Target Regulation of Smad4. <i>Journal of Cancer</i> , 2015, 6, 1260-1275.	2.5	35
35	Overexpression of miR-26b decreases the cisplatin-resistance in laryngeal cancer by targeting ATF2. <i>Oncotarget</i> , 2017, 8, 79023-79033.	1.8	35
36	Differential Expression of Long Noncoding RNA in Primary and Recurrent Nasopharyngeal Carcinoma. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	34

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37	AlloDriver: a method for the identification and analysis of cancer driver targets. <i>Nucleic Acids Research</i> , 2019, 47, W315-W321.	14.5	31
38	Fascin-1, Ezrin and Paxillin Contribute to the Malignant Progression and Are Predictors of Clinical Prognosis in Laryngeal Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2012, 7, e50710.	2.5	31
39	Inhibition of autophagy-potentiated chemosensitivity to cisplatin in laryngeal cancer Hep-2 cells. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2012, 33, 678-684.	1.3	30
40	Anti-cancer Effects of Curcumin on Head and Neck Cancers. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 1110-1116.	1.7	28
41	Enhanced endosomal escape by photothermal activation for improved small interfering RNA delivery and antitumor effect. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4333-4344.	6.7	28
42	Correlation between acute degradation of the endothelial glycocalyx and microcirculation dysfunction during cardiopulmonary bypass in cardiac surgery. <i>Microvascular Research</i> , 2019, 124, 37-42.	2.5	28
43	Serum Exosomal miR-941 as a promising Oncogenic Biomarker for Laryngeal Squamous Cell Carcinoma. <i>Journal of Cancer</i> , 2020, 11, 5329-5344.	2.5	28
44	FSCN1 is upregulated by SNAI2 and promotes epithelial to mesenchymal transition in head and neck squamous cell carcinoma. <i>Cell Biology International</i> , 2017, 41, 833-841.	3.0	26
45	Epstein-Barr virus encoded microRNA BART7 regulates radiation sensitivity of nasopharyngeal carcinoma. <i>Oncotarget</i> , 2017, 8, 20297-20308.	1.8	26
46	Interactions between E-Cadherin and MicroRNA Deregulation in Head and Neck Cancers: The Potential Interplay. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	24
47	miR-148a-3p silences the CANX/MHC pathway and impairs CD8 ⁺ T cell-mediated immune attack in colorectal cancer. <i>FASEB Journal</i> , 2021, 35, e21776.	0.5	24
48	Comparison of Local and Intravenous Dexamethasone for Postoperative Pain and Recovery after Tonsillectomy. <i>Otolaryngology - Head and Neck Surgery</i> , 2015, 152, 530-535.	1.9	23
49	Regulatory role and mechanism of m6A RNA modification in human metabolic diseases. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 52-63.	4.4	23
50	Decreased brain-expressed X-linked 4 (BEX4) expression promotes growth of oral squamous cell carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 92.	8.6	22
51	Eliciting cytotoxic T lymphocytes against human laryngeal cancer-derived antigens: evaluation of dendritic cells pulsed with a heat-treated tumor lysate and other antigen-loading strategies for dendritic-cell-based vaccination. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 18.	8.6	22
52	MicroRNA-138-5p controls sensitivity of nasopharyngeal carcinoma to radiation by targeting EIF4EBP1. <i>Oncology Reports</i> , 2017, 37, 913-920.	2.6	22
53	Assessment of tumor-associated immune cells in laryngeal squamous cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1761-1772.	2.5	22
54	LY6D as a Chemoresistance Marker Gene and Therapeutic Target for Laryngeal Squamous Cell Carcinoma. <i>Stem Cells and Development</i> , 2020, 29, 774-785.	2.1	22

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55	mTOR Pathway and mTOR Inhibitors in Head and Neck Cancer. <i>ISRN Otolaryngology</i> , 2012, 2012, 1-7.	0.9	20
56	Aurora-A modulates MMP-2 expression via AKT/NF- κ B pathway in esophageal squamous cell carcinoma cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 520-527.	2.0	20
57	<scp>BEX</scp>3 contributes to cisplatin chemoresistance in nasopharyngeal carcinoma. <i>Cancer Medicine</i> , 2017, 6, 439-451.	2.8	20
58	Detection of Epstein-Barr virus (EBV)-encoded microRNAs in plasma of patients with nasopharyngeal carcinoma. <i>Head and Neck</i> , 2019, 41, 780-792.	2.0	20
59	Mass Spectrometric Analysis Identifies AIMP1 and LTA4H as FSCN1-binding Proteins in Laryngeal Squamous Cell Carcinoma. <i>Proteomics</i> , 2019, 19, e1900059.	2.2	20
60	Diagnostic Value of Bronchoalveolar Lavage Fluid Metagenomic Next-Generation Sequencing in <i>Pneumocystis jirovecii</i> Pneumonia in Non-HIV Immunosuppressed Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 872813.	3.9	20
61	The clinical association of programmed cell death protein 4 (PDCD4) with solid tumors and its prognostic significance: a meta-analysis. <i>Chinese Journal of Cancer</i> , 2016, 35, 95.	4.9	19
62	Non-coding RNAs in drug resistance of head and neck cancers: A review. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110231.	5.6	18
63	Dual-Core Supercapacitor Yarns: An Enhanced Performance Consistency and Linear Power Density. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15211-15219.	8.0	17
64	Potential key molecular correlations in laryngeal squamous cell carcinoma revealed by integrated analysis of mRNA, miRNA and lncRNA microarray profiles. <i>Neoplasma</i> , 2016, 63, 888-900.	1.6	16
65	Epstein-Barr virus-encoded microRNA BART7 downregulates major histocompatibility complex class I chain-related peptide A and reduces the cytotoxicity of natural killer cells to nasopharyngeal carcinoma. <i>Oncology Letters</i> , 2018, 16, 2887-2892.	1.8	16
66	Mass spectrometry-based proteomic analysis of FSCN1-interacting proteins in laryngeal squamous cell carcinoma cells. <i>IUBMB Life</i> , 2019, 71, 1771-1784.	3.4	15
67	Identification of miR-145-5p-Centered Competing Endogenous RNA Network in Laryngeal Squamous Cell Carcinoma. <i>Proteomics</i> , 2019, 19, e1900020.	2.2	15
68	Functional significance of the long non-coding RNA RP11-169D4.1 as a metastasis suppressor in laryngeal squamous cell carcinoma by regulating CDH1. <i>Oncology Reports</i> , 2017, 38, 211-220.	2.6	14
69	Biomarkers for Use in Monitoring Responses of Nasopharyngeal Carcinoma Cells to Ionizing Radiation. <i>Sensors</i> , 2012, 12, 8832-8846.	3.8	13
70	Correlation Between Wall Shear Stress and Acute Degradation of the Endothelial Glycocalyx During Cardiopulmonary Bypass. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 1024-1032.	2.4	12
71	Effect of a comprehensive health education program on pre-hospital delay intentions in high-risk stroke population and caregivers. <i>Quality of Life Research</i> , 2017, 26, 2153-2160.	3.1	11
72	Primary Laryngeal Cancer-derived miR-193b Induces Interleukin-10-expression Monocytes. <i>Cancer Investigation</i> , 2015, 33, 29-33.	1.3	10

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73	High TSTA3 Expression as a Candidate Biomarker for Poor Prognosis of Patients With ESCC. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878140.	1.9	10
74	Curcumin enhances cisplatin sensitivity by suppressing NADPH oxidase 5 expression in human epithelial cancer. <i>Oncology Letters</i> , 2019, 18, 2132-2139.	1.8	9
75	Modeling the Triboelectric Behaviors of Elastomeric Nonwoven Fabrics. <i>Advanced Materials</i> , 2022, 34, e2106429.	21.0	9
76	Expression of DNA topoisomerase II- β : Clinical significance in laryngeal carcinoma. <i>Oncology Letters</i> , 2014, 8, 1575-1580.	1.8	8
77	Instrument development and validation of the stroke pre-hospital delay behavior intention scale in a Chinese urban population. <i>Health and Quality of Life Outcomes</i> , 2014, 12, 170.	2.4	8
78	Alterations of bacterial communities of vocal cord mucous membrane increases the risk for glottic laryngeal squamous cell carcinoma. <i>Journal of Cancer</i> , 2021, 12, 4049-4063.	2.5	8
79	Doxycycline can reduce glycocalyx shedding by inhibiting matrix metalloproteinases in patients undergoing cardiopulmonary bypass: A randomized controlled trial. <i>Microvascular Research</i> , 2022, 142, 104381.	2.5	8
80	Analysis of gene expression profiling variations induced by hsa-miR-145-5p-overexpression in laryngeal squamous cell carcinoma cell line Tu-177. <i>Molecular Medicine Reports</i> , 2017, 16, 5863-5870.	2.4	7
81	IQGAP1 silencing suppresses the malignant characteristics of laryngeal squamous cell carcinoma cells. <i>International Journal of Biological Markers</i> , 2018, 33, 73-78.	1.8	6
82	Isoform-specific functions of c-Jun N-terminal kinase 1 and 2 in lung ischemia-reperfusion injury through the c-Jun/activator protein-1 pathway. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 162, e143-e156.	0.8	6
83	miR-1207-5p suppresses laryngeal squamous cell carcinoma progression by downregulating SKA3 and inhibiting epithelial-mesenchymal transition. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 152-165.	4.4	6
84	Biological roles and clinical significance of estrogen and androgen receptors in head and neck cancers. <i>Journal of Cancer</i> , 2022, 13, 2189-2199.	2.5	6
85	The effect of cationic starch on hemoglobin, and the primary attempt to encapsulate hemoglobin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 196-202.	2.8	5
86	<i>Astragali radix</i> total flavonoid synergizes cisplatin to inhibit proliferation and enhances the chemosensitivity of laryngeal squamous cell carcinoma. <i>RSC Advances</i> , 2019, 9, 24471-24482.	3.6	5
87	Uncovering the anticancer mechanism of petroleum extracts of <i>Farfarae Flos</i> against Lewis lung cancer by metabolomics and network pharmacology analysis. <i>Biomedical Chromatography</i> , 2020, 34, e4878.	1.7	5
88	Metabolomics reveal the protective effect of <i>Farfarae Flos</i> against asthma using an OVA-induced rat model. <i>RSC Advances</i> , 2017, 7, 39929-39939.	3.6	4
89	Functional Characterization of a Missense Variant of <i>MLH1</i> Identified in Lynch Syndrome Pedigree. <i>Disease Markers</i> , 2020, 2020, 1-10.	1.3	4
90	Robot-assisted real-time sentinel lymph node mapping in oral cavity cancer: preliminary experience. <i>Journal of Robotic Surgery</i> , 2021, 15, 349-353.	1.8	4

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91	Petroleum extract of <i>Farfarae Flos</i> alleviates nasal symptoms by regulating the Th1-Th2 cytokine balance in a mouse model of Allergic Rhinitis. <i>International Journal of Medical Sciences</i> , 2021, 18, 555-563.	2.5	4
92	Separator threads in yarn-shaped supercapacitors to avoid short-circuiting upon length. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	4
93	Epidemiological Analysis of 1234 Cases of Laryngeal Cancer in Shanxi Province, China. <i>Cancer Control</i> , 2021, 28, 107327482110412.	1.8	3
94	Development and Validation of the Pre-Hospital Stroke Symptoms Coping Test. <i>PLoS ONE</i> , 2014, 9, e110022.	2.5	2
95	Ultrasound-Guided Superior Laryngeal Nerve Block Facilitates Anesthesia Management in Bariatric Surgery. <i>Journal of Emergency Medicine</i> , 2022, 62, e85-e87.	0.7	2
96	Diagnostic Value of Methylated Human Telomerase Reverse Transcriptase in Human Cancers: A Meta-Analysis. <i>Frontiers in Oncology</i> , 2015, 5, 296.	2.8	1
97	AgNP/crystalline PANI/EBP composite-based supercapacitor electrode with internal chemical interactions. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48164.	2.6	1
98	Analysis of Changing Factors on Airborne Allergenic Pollens Distribution in Taiyuan Downtown, North China. <i>International Journal of Otolaryngology and Head & Neck Surgery</i> , 2015, 04, 148-155.	0.2	0
99	The macro-evolutionary events in esophageal squamous cell carcinoma. <i>Oncotarget</i> , 2017, 8, 112770-112782.	1.8	0
100	Abstract 4504: MILIP is a pan cancer-associated long noncoding RNA that links MYC to inactivation of p53. , 2019, , .		0