Wei-Qiang Gao

List of Publications by Year in descending order

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120 4,453 3
papers citations h-in

34 59
h-index g-index

126 126 all docs citations

126 times ranked 7296 citing authors

#	Article	IF	CITATIONS
1	Generation of a prostate from a single adult stem cell. Nature, 2008, 456, 804-808.	13.7	385
2	Cerebellar granule cell neurogenesis is regulated by cell-cell interactions in vitro. Neuron, 1991, 6, 705-715.	3.8	252
3	TRIM59 Is Up-regulated in Gastric Tumors, Promoting Ubiquitination and Degradation of p53. Gastroenterology, 2014, 147, 1043-1054.	0.6	137
4	Single-Cell Characterization of Malignant Phenotypes and Developmental Trajectories of Adrenal Neuroblastoma. Cancer Cell, 2020, 38, 716-733.e6.	7.7	137
5	Contributions of epithelial-mesenchymal transition and cancer stem cells to the development of castration resistance of prostate cancer. Molecular Cancer, 2014, 13, 55.	7.9	133
6	Notch signaling is required for normal prostatic epithelial cell proliferation and differentiation. Developmental Biology, 2006, 290, 66-80.	0.9	132
7	WNT/ \hat{l}^2 -Catenin Directs Self-Renewal Symmetric Cell Division of hTERThigh Prostate Cancer Stem Cells. Cancer Research, 2017, 77, 2534-2547.	0.4	124
8	TRIM24 is an oncogenic transcriptional co-activator of STAT3 in glioblastoma. Nature Communications, 2017, 8, 1454.	5.8	116
9	CCL5-Mediated Th2 Immune Polarization Promotes Metastasis in Luminal Breast Cancer. Cancer Research, 2015, 75, 4312-4321.	0.4	112
10	MicroRNA-7 inhibits the stemness of prostate cancer stem-like cells and tumorigenesis by repressing KLF4/PI3K/Akt/p21 pathway. Oncotarget, 2015, 6, 24017-24031.	0.8	92
11	Inhibition of Epithelial Ductal Branching in the Prostate by Sonic Hedgehog Is Indirectly Mediated by Stromal Cells. Journal of Biological Chemistry, 2003, 278, 18506-18513.	1.6	83
12	BET Bromodomain Inhibition as a Therapeutic Strategy in Ovarian Cancer by Downregulating FoxM1. Theranostics, 2016, 6, 219-230.	4.6	76
13	Single-cell analysis supports a luminal-neuroendocrine transdifferentiation in human prostate cancer. Communications Biology, 2020, 3, 778.	2.0	76
14	Histone Acetyltransferase KAT6A Upregulates PI3K/AKT Signaling through TRIM24 Binding. Cancer Research, 2017, 77, 6190-6201.	0.4	75
15	AHNAK2 is a Novel Prognostic Marker and Oncogenic Protein for Clear Cell Renal Cell Carcinoma. Theranostics, 2017, 7, 1100-1113.	4.6	66
16	Symmetrical and asymmetrical division analysis provides evidence for a hierarchy of prostate epithelial cell lineages. Nature Communications, 2014, 5, 4758.	5.8	65
17	E-cadherin bridges cell polarity and spindle orientation to ensure prostate epithelial integrity and prevent carcinogenesis in vivo. PLoS Genetics, 2018, 14, e1007609.	1.5	65
18	Blockade of β-Catenin–Induced CCL28 Suppresses Gastric Cancer Progression via Inhibition of Treg Cell Infiltration. Cancer Research, 2020, 80, 2004-2016.	0.4	65

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19	Adjudin protects rodent cochlear hair cells against gentamicin ototoxicity via the SIRT3-ROS pathway. Scientific Reports, 2015, 5, 8181.	1.6	63
20	BRG1 attenuates colonic inflammation and tumorigenesis through autophagy-dependent oxidative stress sequestration. Nature Communications, 2019, 10, 4614.	5.8	61
21	Efficient generation of functional haploid spermatids from human germline stem cells by three-dimensional-induced system. Cell Death and Differentiation, 2018, 25, 749-766.	5.0	59
22	Preclinical Efficacy and Molecular Mechanism of Targeting CDK7-Dependent Transcriptional Addiction in Ovarian Cancer. Molecular Cancer Therapeutics, 2017, 16, 1739-1750.	1.9	58
23	Park7 interacts with p47phox to direct NADPH oxidase-dependent ROS production and protect against sepsis. Cell Research, 2015, 25, 691-706.	5.7	56
24	SIRT3 inhibits prostate cancer by destabilizing oncoprotein c-MYC through regulation of the PI3K/Akt pathway. Oncotarget, 2015, 6, 26494-26507.	0.8	56
25	Simultaneous evolutionary expansion and constraint of genomic heterogeneity in multifocal lung cancer. Nature Communications, 2017, 8, 823.	5.8	53
26	Defective Initiation of Liver Regeneration in Osteopontin-Deficient Mice after Partial Hepatectomy due to Insufficient Activation of IL-6/Stat3 Pathway. International Journal of Biological Sciences, 2015, 11, 1236-1247.	2.6	52
27	CCL5-deficiency enhances intratumoral infiltration of CD8+ T cells in colorectal cancer. Cell Death and Disease, 2018, 9, 766.	2.7	51
28	Stroma-associated master regulators of molecular subtypes predict patient prognosis in ovarian cancer. Scientific Reports, 2015, 5, 16066.	1.6	50
29	Autocrine Activation of CHRM3 Promotes Prostate Cancer Growth and Castration Resistance via CaM/CaMKK–Mediated Phosphorylation of Akt. Clinical Cancer Research, 2015, 21, 4676-4685.	3.2	50
30	Regulation of Epithelial Branching Morphogenesis and Cancer Cell Growth of the Prostate by Wnt Signaling. PLoS ONE, 2008, 3, e2186.	1.1	47
31	Loss of Setd2 promotes Kras-induced acinar-to-ductal metaplasia and epithelia–mesenchymal transition during pancreatic carcinogenesis. Gut, 2020, 69, 715-726.	6.1	47
32	Identification of a Zeb1 expressing basal stem cell subpopulation in the prostate. Nature Communications, 2020, 11 , 706.	5.8	42
33	Neurovascular Recovery via Cotransplanted Neural and Vascular Progenitors Leads to Improved Functional Restoration after Ischemic Stroke in Rats. Stem Cell Reports, 2014, 3, 101-114.	2.3	40
34	Singleâ€cell <scp>RNA</scp> sequencing reveals the epithelial cell heterogeneity and invasive subpopulation in human bladder cancer. International Journal of Cancer, 2021, 149, 2099-2115.	2.3	40
35	Generation of male differentiated germ cells from various types of stem cells. Reproduction, 2014, 147, R179-R188.	1.1	37
36	A MicroRNA302-367-Erk1/2-Klf2-S1pr1 Pathway Prevents Tumor Growth via Restricting Angiogenesis and Improving Vascular Stability. Circulation Research, 2017, 120, 85-98.	2.0	37

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37	Metalâ€Organic Framework Hybrids Aid Metabolic Profiling for Colorectal Cancer. Small Methods, 2021, 5, e2001001.	4.6	37
38	Numbâ^'/low Enriches a Castration-Resistant Prostate Cancer Cell Subpopulation Associated with Enhanced Notch and Hedgehog Signaling. Clinical Cancer Research, 2017, 23, 6744-6756.	3.2	36
39	The histone methyltransferase Setd2 is indispensable for V(D)J recombination. Nature Communications, 2019, 10, 3353.	5.8	35
40	Androgen receptor is negatively correlated with the methylation-mediated transcriptional repression of miR-375 in human prostate cancer cells. Oncology Reports, 2014, 31, 34-40.	1.2	34
41	Cell Division Mode Change Mediates the Regulation of Cerebellar Granule Neurogenesis Controlled by the Sonic Hedgehog Signaling. Stem Cell Reports, 2015, 5, 816-828.	2.3	34
42	TOP2Ahigh is the phenotype of recurrence and metastasis whereas TOP2Aneg cells represent cancer stem cells in prostate cancer. Oncotarget, 2014, 5, 9498-9513.	0.8	34
43	The evolving role of immune cells in prostate cancer. Cancer Letters, 2022, 525, 9-21.	3.2	34
44	Pharmacological inhibition of the Notch pathway enhances the efficacy of androgen deprivation therapy for prostate cancer. International Journal of Cancer, 2018, 143, 645-656.	2.3	33
45	Generation of functional organs from stem cells. Cell Regeneration, 2013, 2, 2:1.	1.1	31
46	Elevated expression of Par3 promotes prostate cancer metastasis by forming a Par3/aPKC/KIBRA complex and inactivating the hippo pathway. Journal of Experimental and Clinical Cancer Research, 2017, 36, 139.	3.5	31
47	Direct Conversion of Somatic Cells into Induced Neurons. Molecular Neurobiology, 2018, 55, 642-651.	1.9	31
48	Therapeutic Potential of Human Amniotic Epithelial Cells on Injuries and Disorders in the Central Nervous System. Stem Cells International, 2019, 2019, 1-11.	1.2	31
49	Discovery of extracellular vesicles derived miR-181a-5p in patient's serum as an indicator for bone-metastatic prostate cancer. Theranostics, 2021, 11, 878-892.	4.6	30
50	Unfolded Protein Response Is Required for the Definitive Endodermal Specification of Mouse Embryonic Stem Cells via Smad2 and \hat{l}^2 -Catenin Signaling. Journal of Biological Chemistry, 2014, 289, 26290-26301.	1.6	27
51	Efficient Conversion of Spermatogonial Stem Cells to Phenotypic and Functional Dopaminergic Neurons via the PI3K/Akt and P21/Smurf2/Nolz1 Pathway. Molecular Neurobiology, 2015, 52, 1654-1669.	1.9	27
52	Aphthous ulcer drug inhibits prostate tumor metastasis by targeting IKKÉ>/TBK1/NF-κB signaling. Theranostics, 2018, 8, 4633-4648.	4.6	27
53	Metabolic heterogeneity in cancer: An overview and therapeutic implications. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188421.	3.3	26
54	The histone methyltransferase SETD2 modulates oxidative stress to attenuate experimental colitis. Redox Biology, 2021, 43, 102004.	3.9	26

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55	Transcriptional repression by androgen receptor: roles in castration-resistant prostate cancer. Asian Journal of Andrology, 2019, 21, 215.	0.8	26
56	Loss of Par3 promotes prostatic tumorigenesis by enhancing cell growth and changing cell division modes. Oncogene, 2019, 38, 2192-2205.	2.6	25
57	Regulation and Methylation of Tumor Suppressor MiR-124 by Androgen Receptor in Prostate Cancer Cells. PLoS ONE, 2015, 10, e0116197.	1.1	24
58	Conversion of Adipose Tissue-Derived Mesenchymal Stem Cells to Neural Stem Cell-Like Cells by a Single Transcription Factor, Sox2. Cellular Reprogramming, 2015, 17, 221-226.	0.5	24
59	Carbon Monoxide Impairs CD11b+Ly-6Chi Monocyte Migration from the Blood to Inflamed Pancreas via Inhibition of the CCL2/CCR2 Axis. Journal of Immunology, 2018, 200, 2104-2114.	0.4	24
60	\hat{l}^2 -Catenin inhibition shapes tumor immunity and synergizes with immunotherapy in colorectal cancer. Oncolmmunology, 2020, 9, 1809947.	2.1	23
61	Targeted Delivery of CXCL9 and OX40L by Mesenchymal Stem Cells Elicits Potent Antitumor Immunity. Molecular Therapy, 2020, 28, 2553-2563.	3.7	22
62	METTL14 promotes prostate tumorigenesis by inhibiting THBS1 via an m6A-YTHDF2-dependent mechanism. Cell Death Discovery, 2022, 8, 143.	2.0	22
63	hnRNPA2B1 Promotes Colon Cancer Progression via the MAPK Pathway. Frontiers in Genetics, 2021, 12, 666451.	1.1	21
64	MicroRNAs targeting prostate cancer stem cells. Experimental Biology and Medicine, 2015, 240, 1071-1078.	1.1	20
65	IRTKS is correlated with progression and survival time of patients with gastric cancer. Gut, 2018, 67, 1400-1409.	6.1	20
66	Pentamidine inhibits prostate cancer progression via selectively inducing mitochondrial DNA depletion and dysfunction. Cell Proliferation, 2020, 53, e12718.	2.4	20
67	Single-cell spatial transcriptomic analysis reveals common and divergent features of developing postnatal granule cerebellar cells and medulloblastoma. BMC Biology, 2021, 19, 135.	1.7	20
68	Tumor-derived miR-378a-3p-containing extracellular vesicles promote osteolysis by activating the Dyrk1a/Nfatc1/Angptl2 axis for bone metastasis. Cancer Letters, 2022, 526, 76-90.	3.2	20
69	Lin28B promotes melanoma growth by mediating a microRNA regulatory circuit. Carcinogenesis, 2015, 36, 937-945.	1.3	19
70	Protein kinase A-dependent phosphorylation of Dock180 at serine residue 1250 is important for glioma growth and invasion stimulated by platelet derived-growth factor receptor \hat{A} . Neuro-Oncology, 2015, 17, 832-842.	0.6	18
71	Elevated expression of Gab1 promotes breast cancer metastasis by dissociating the PAR complex. Journal of Experimental and Clinical Cancer Research, 2019, 38, 27.	3.5	18
72	Gremlin1 is a therapeutically targetable FGFR1 ligand that regulates lineage plasticity and castration resistance in prostate cancer. Nature Cancer, 2022, 3, 565-580.	5.7	18

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73	Zeb1 promotes androgen independence of prostate cancer via induction of stem cell-like properties. Experimental Biology and Medicine, 2014, 239, 813-822.	1.1	17
74	Chemical conversion of mouse fibroblasts into functional dopaminergic neurons. Experimental Cell Research, 2016, 347, 283-292.	1.2	17
75	Inactivation of STAT3 Signaling Impairs Hair Cell Differentiation inÂtheÂDeveloping Mouse Cochlea. Stem Cell Reports, 2017, 9, 231-246.	2.3	17
76	Elimination of CD4lowHLA-G+ T cells overcomes castration-resistance in prostate cancer therapy. Cell Research, 2018, 28, 1103-1117.	5.7	16
77	Direct conversion of mouse fibroblasts to GABAergic neurons with combined medium without the introduction of transcription factors or miRNAs. Cell Cycle, 2015, 14, 2451-2460.	1.3	15
78	Single-cell analysis reveals urothelial cell heterogeneity and regenerative cues following cyclophosphamide-induced bladder injury. Cell Death and Disease, 2021, 12, 446.	2.7	15
79	Zeb1 is important for proper cleavage plane orientation of dividing progenitors and neuronal migration in the mouse neocortex. Cell Death and Differentiation, 2019, 26, 2479-2492.	5.0	14
80	Multilevel Regulation of \hat{l}^2 -Catenin Activity by SETD2 Suppresses the Transition from Polycystic Kidney Disease to Clear Cell Renal Cell Carcinoma. Cancer Research, 2021, 81, 3554-3567.	0.4	14
81	Regulation of Formation, Stemness and Therapeutic Resistance of Cancer Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 641498.	1.8	14
82	SETD2 epidermal deficiency promotes cutaneous wound healing via activation of AKT/mTOR Signalling. Cell Proliferation, 2021, 54, e13045.	2.4	14
83	The Adipose-Derived Lineage-Negative Cells Are Enriched Mesenchymal Stem Cells and Promote Limb Ischemia Recovery in Mice. Stem Cells and Development, 2014, 23, 363-371.	1.1	13
84	Trim32 suppresses cerebellar development and tumorigenesis by degrading Gli1/sonic hedgehog signaling. Cell Death and Differentiation, 2020, 27, 1286-1299.	5.0	13
85	Derivation and propagation of spermatogonial stem cells from human pluripotent cells. Stem Cell Research and Therapy, 2020, 11, 408.	2.4	13
86	Prognosis and Immunotherapy Significances of a Cancer-Associated Fibroblasts-Related Gene Signature in Gliomas. Frontiers in Cell and Developmental Biology, 2021, 9, 721897.	1.8	13
87	Concise Review: Patient-Derived Stem Cell Research for Monogenic Disorders. Stem Cells, 2016, 34, 44-54.	1.4	12
88	Stox1 as a novel transcriptional suppressor of Math1 during cerebellar granule neurogenesis and medulloblastoma formation. Cell Death and Differentiation, 2016, 23, 2042-2053.	5.0	12
89	Downregulation of the histone methyltransferase SETD2 promotes imatinib resistance in chronic myeloid leukaemia cells. Cell Proliferation, 2019, 52, e12611.	2.4	11
90	Hypermethylation-mediated transcriptional repression of TMPRSS2 in androgen receptor-negative prostate cancer cells. Experimental Biology and Medicine, 2014, 239, 823-828.	1.1	10

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91	Shp2 and Pten have antagonistic roles in myeloproliferation but cooperate to promote erythropoiesis in mammals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13342-13347.	3.3	10
92	Regulation of Prostate Development and Benign Prostatic Hyperplasia by Autocrine Cholinergic Signaling via Maintaining the Epithelial Progenitor Cells in Proliferating Status. Stem Cell Reports, 2016, 6, 668-678.	2.3	10
93	CD16 expression on neutrophils predicts treatment efficacy of capecitabine in colorectal cancer patients. BMC Immunology, 2020, 21, 46.	0.9	10
94	GIT1 enhances neurite outgrowth by stimulating microtubule assembly. Neural Regeneration Research, 2016, 11, 427.	1.6	10
95	Differentiation of Human Umbilical Cord Mesenchymal Stem Cells into Prostate-Like Epithelial Cells In Vivo. PLoS ONE, 2014, 9, e102657.	1.1	9
96	Proteomic Comparison and MRM-Based Comparative Analysis of Metabolites Reveal Metabolic Shift in Human Prostate Cancer Cell Lines. Journal of Proteome Research, 2015, 14, 3390-3402.	1.8	9
97	Decreased immunomodulatory and secretory capability of aging human umbilical cord mesenchymal stem cells inÂvitro. Biochemical and Biophysical Research Communications, 2020, 525, 633-638.	1.0	9
98	Generation of embryonic stem cells from mouse adipose-tissue derived cells via somatic cell nuclear transfer. Cell Cycle, 2015, 14, 1282-1290.	1.3	8
99	Wnt/ \hat{l}^2 -catenin signaling contributes to prostate cancer heterogeneity through reciprocal suppression of H3K27 trimethylation. Biochemical and Biophysical Research Communications, 2020, 527, 242-249.	1.0	7
100	Di-Ras2 promotes renal cell carcinoma formation by activating the mitogen-activated protein kinase pathway in the absence of von Hippel–Lindau protein. Oncogene, 2020, 39, 3853-3866.	2.6	7
101	Cytokeratin 18 Is Not Required for Morphogenesis of Developing Prostates but Contributes to Adult Prostate Regeneration. BioMed Research International, 2013, 2013, 1-8.	0.9	6
102	Patientâ€derived organoids in cellulosic sponge model chemotherapy response of metastatic colorectal cancer. Clinical and Translational Medicine, 2021, 11, e285.	1.7	6
103	A novel mouse model for liver metastasis of prostate cancer reveals dynamic tumourâ€immune cell communication. Cell Proliferation, 2021, 54, e13056.	2.4	6
104	CCL28 Downregulation Attenuates Pancreatic Cancer Progression Through Tumor Cell-Intrinsic and -Extrinsic Mechanisms. Technology in Cancer Research and Treatment, 2021, 20, 153303382110689.	0.8	6
105	Mice cloned from white adipose tissue-derived cells. Journal of Molecular Cell Biology, 2013, 5, 348-350.	1.5	5
106	A candidate gastric stem/progenitor cell marker revealed by genomeâ€wide analysis. Journal of Pathology, 2016, 238, 3-6.	2.1	5
107	<i>Nanog</i> maintains stemness of <i>Lkb1</i> â€deficient lung adenocarcinoma and prevents gastric differentiation. EMBO Molecular Medicine, 2021, 13, e12627.	3.3	5
108	Proscillaridin A slows the prostate cancer progression through triggering the activation of endoplasmic reticulum stress. Cell Cycle, 2020, 19, 541-550.	1.3	5

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109	Imbalance of a KLF4-miR-7 auto-regulatory feedback loop promotes prostate cancer cell growth by impairing microRNA processing. American Journal of Cancer Research, 2018, 8, 226-244.	1.4	5
110	Human Amniotic Epithelial Cells Alleviate a Mouse Model of Parkinson's Disease Mainly by Neuroprotective, Anti-Oxidative and Anti-Inflammatory Factors. Journal of NeuroImmune Pharmacology, 2020, 16, 620-633.	2.1	4
111	Single cell analysis reveals intraâ€tumour heterogeneity, microenvironment and potential diagnosis markers for clear cell renal cell carcinoma. Clinical and Translational Medicine, 2022, 12, .	1.7	4
112	Novel double-layer Silastic testicular prosthesis with controlled release of testosterone in vitro, and its effects on castrated rats. Asian Journal of Andrology, 2017, 19, 433.	0.8	3
113	Histological, cellular and behavioural analyses of effects of chemotherapeutic agent cyclophosphamide in the developing cerebellum. Cell Proliferation, 2019, 52, e12608.	2.4	3
114	The Cellâ€Isolation Capsules with Rodâ€Like Channels Ensure the Survival and Response of Cancer Cells to Their Microenvironment. Advanced Healthcare Materials, 2022, 11, e2101723.	3.9	3
115	DAPT mediates atoh1 expression to induce hair cell-like cells. American Journal of Translational Research (discontinued), 2016, 8, 634-43.	0.0	3
116	Stepwise Induction of Inner Ear Hair Cells From Mouse Embryonic Fibroblasts via Mesenchymal-to-Epithelial Transition and Formation of Otic Epithelial Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 672406.	1.8	2
117	Polarization and functional plasticity of macrophages in regulating innate immune response. Journal of Shanghai Jiaotong University (Science), 2014, 19, 646-650.	0.5	1
118	Quantifying Epithelial Early Common Progenitors from Longâ€Term Primary or Cell Line Sphere Culture. Current Protocols in Stem Cell Biology, 2015, 35, 1E.7.1-1E.7.8.	3.0	1
119	Stomach-specific c-Myc overexpression drives gastric adenoma in mice through AKT/mammalian target of rapamycin signaling. Bosnian Journal of Basic Medical Sciences, 2021, 21, 434-446.	0.6	1
120	Abstract 23: Microrna302-367 Sphingosine 1 Phosphate Receptor 1 Pathway Prevents Tumor Growth via Restricting Angiogenesis and Enhancing Vascular Stability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0