

Aihua Gong

List of Publications by Year in descending order

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84
papers

3,897
citations

136885

32
h-index

133188

59
g-index

86
all docs

86
docs citations

86
times ranked

6239
citing authors

#	ARTICLE	IF	CITATIONS
1	HucMSC-Exosome Mediated-Wnt4 Signaling Is Required for Cutaneous Wound Healing. <i>Stem Cells</i> , 2015, 33, 2158-2168.	1.4	585
2	Efficient Room-Temperature Phosphorescence from Nitrogen-Doped Carbon Dots in Composite Matrices. <i>Chemistry of Materials</i> , 2016, 28, 8221-8227.	3.2	270
3	hucMSC Exosome-Derived GPX1 Is Required for the Recovery of Hepatic Oxidant Injury. <i>Molecular Therapy</i> , 2017, 25, 465-479.	3.7	238
4	YTH domain family 2 orchestrates epithelial-mesenchymal transition/proliferation dichotomy in pancreatic cancer cells. <i>Cell Cycle</i> , 2017, 16, 2259-2271.	1.3	169
5	Immunostimulant hydrogel for the inhibition of malignant glioma relapse post-resection. <i>Nature Nanotechnology</i> , 2021, 16, 538-548.	15.6	165
6	Engineered gadolinium-doped carbon dots for magnetic resonance imaging-guided radiotherapy of tumors. <i>Biomaterials</i> , 2017, 121, 109-120.	5.7	151
7	Circulating lncRNA SNHG11 as a novel biomarker for early diagnosis and prognosis of colorectal cancer. <i>International Journal of Cancer</i> , 2020, 146, 2901-2912.	2.3	121
8	HucMSC Exosome-Delivered 14-3-3 σ Orchestrates Self-Control of the Wnt Response via Modulation of YAP During Cutaneous Regeneration. <i>Stem Cells</i> , 2016, 34, 2485-2500.	1.4	119
9	Branched-chain amino acid aminotransferase 2 regulates ferroptotic cell death in cancer cells. <i>Cell Death and Differentiation</i> , 2021, 28, 1222-1236.	5.0	115
10	A ratiometric fluorescent probe for iron(III) and its application for detection of iron(III) in human blood serum. <i>Analytica Chimica Acta</i> , 2014, 812, 145-151.	2.6	85
11	Wnt β -induced deubiquitination FoxM1 ensures nucleus β -catenin transactivation. <i>EMBO Journal</i> , 2016, 35, 668-684.	3.5	84
12	3,3'-Diindolylmethane stimulates exosomal Wnt11 autocrine signaling in human umbilical cord mesenchymal stem cells to enhance wound healing. <i>Theranostics</i> , 2017, 7, 1674-1688.	4.6	81
13	Hyaluronic acid-functionalized bismuth oxide nanoparticles for computed tomography imaging-guided radiotherapy of tumor. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5973-5992.	3.3	78
14	LncRNA UCA1 promotes migration and invasion in pancreatic cancer cells via the Hippo pathway. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1770-1782.	1.8	76
15	Role of GRP78 inhibiting artesunate-induced ferroptosis in KRAS mutant pancreatic cancer cells. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 2135-2144.	2.0	58
16	Sonic hedgehog-glioma associated oncogene homolog 1 signaling enhances drug resistance in CD44+/Musashi-1+ gastric cancer stem cells. <i>Cancer Letters</i> , 2015, 369, 124-133.	3.2	57
17	Circulating lncRNA ABHD11-AS1 serves as a biomarker for early pancreatic cancer diagnosis. <i>Journal of Cancer</i> , 2019, 10, 3746-3756.	1.2	55
18	Engineering iodine-doped carbon dots as dual-modal probes for fluorescence and X-ray CT imaging. <i>International Journal of Nanomedicine</i> , 2015, 10, 6943.	3.3	54

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19	Dedifferentiation process driven by radiotherapy-induced HMGB1/TLR2/YAP/HIF-1 α signaling enhances pancreatic cancer stemness. <i>Cell Death and Disease</i> , 2019, 10, 724.	2.7	48
20	NMN Maintains Intestinal Homeostasis by Regulating the Gut Microbiota. <i>Frontiers in Nutrition</i> , 2021, 8, 714604.	1.6	46
21	Long non-coding RNA PVT1 promotes epithelial-mesenchymal transition via the TGF β 2/Smad pathway in pancreatic cancer cells. <i>Oncology Reports</i> , 2018, 40, 1093-1102.	1.2	44
22	Simultaneous Discrimination of Hypochlorite and Single Oxygen during Sepsis by a Dual-Functional Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 6072-6080.	3.2	41
23	Non-tumor tissue derived interleukin-17B activates IL-17RB/AKT/ β 2-catenin pathway to enhance the stemness of gastric cancer. <i>Scientific Reports</i> , 2016, 6, 25447.	1.6	39
24	EMSCs Build an All-in-One Niche via Cell-Cell Lipid Raft Assembly for Promoted Neuronal but Suppressed Astroglial Differentiation of Neural Stem Cells. <i>Advanced Materials</i> , 2019, 31, e1806861.	11.1	39
25	LincRoR promotes proliferation, migration, and invasion via the Hippo/YAP pathway in pancreatic cancer cells. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 632-641.	1.2	38
26	A connexin43/YAP axis regulates astroglial-mesenchymal transition in hemoglobin induced astrocyte activation. <i>Cell Death and Differentiation</i> , 2018, 25, 1870-1884.	5.0	37
27	Lysine-specific demethylase 1 mediates epidermal growth factor signaling to promote cell migration in ovarian cancer cells. <i>Scientific Reports</i> , 2015, 5, 15344.	1.6	36
28	TGF β 1-miR-200a-PTEN induces epithelial-mesenchymal transition and fibrosis of pancreatic stellate cells. <i>Molecular and Cellular Biochemistry</i> , 2017, 431, 161-168.	1.4	36
29	Nasal ectomesenchymal stem cells: Multi-lineage differentiation and transformation effects on fibrin gels. <i>Biomaterials</i> , 2015, 49, 57-67.	5.7	35
30	Fluorescence Lifetime Imaging of Nanoflares for mRNA Detection in Living Cells. <i>Analytical Chemistry</i> , 2016, 88, 1979-1983.	3.2	34
31	Furin promotes epithelial-mesenchymal transition in pancreatic cancer cells via Hippo-YAP pathway. <i>International Journal of Oncology</i> , 2017, 50, 1352-1362.	1.4	34
32	Radiotherapy-induced cell death activates paracrine HMGB1-TLR2 signaling and accelerates pancreatic carcinoma metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 77.	3.5	34
33	PRMT5 promotes epithelial-mesenchymal transition via EGFR/ β 2-catenin axis in pancreatic cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1969-1979.	1.6	34
34	FoxM1 drives ADAM17/EGFR activation loop to promote mesenchymal transition in glioblastoma. <i>Cell Death and Disease</i> , 2018, 9, 469.	2.7	33
35	Complete suppression of the fluorophore fluorescence by combined effect of multiple fluorescence quenching groups: A fluorescent sensor for Cu ²⁺ with zero background signals. <i>Analytica Chimica Acta</i> , 2016, 908, 1-7.	2.6	32
36	Targeting tumor vascularization: promising strategies for vascular normalization. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 2489-2505.	1.2	32

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37	ADAM17 promotes epithelial-mesenchymal transition via TGF- β 2/Smad pathway in gastric carcinoma cells. <i>International Journal of Oncology</i> , 2016, 49, 2520-2528.	1.4	28
38	NIR responsive tumor vaccine in situ for photothermal ablation and chemotherapy to trigger robust antitumor immune responses. <i>Journal of Nanobiotechnology</i> , 2021, 19, 142.	4.2	28
39	Toll-like receptor 2 and Toll-like receptor 4 exhibit distinct regulation of cancer cell stemness mediated by cell death-induced high-mobility group box 1. <i>EBioMedicine</i> , 2019, 40, 135-150.	2.7	26
40	MicroRNA-29c/PTEN Pathway is Involved in Mice Brain Development and Modulates Neurite Outgrowth in PC12 Cells. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 313-322.	1.7	25
41	Autophagy contributes to ING4-induced glioma cell death. <i>Experimental Cell Research</i> , 2013, 319, 1714-1723.	1.2	22
42	Construction of a fluorescent probe for selectively detecting singlet oxygen with a high sensitivity and large concentration range based on a two-step cascade sensing reaction. <i>Chemical Communications</i> , 2019, 55, 8462-8465.	2.2	22
43	Long-term treatment of Nicotinamide mononucleotide improved age-related diminished ovary reserve through enhancing the mitophagy level of granulosa cells in mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 101, 108911.	1.9	22
44	PTEN-GSK3 β -MOB1 axis controls neurite outgrowth in vitro and in vivo. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4445-4464.	2.4	21
45	Anti-cancer drug 3,3'-diindolylmethane activates Wnt4 signaling to enhance gastric cancer cell stemness and tumorigenesis. <i>Oncotarget</i> , 2016, 7, 16311-16324.	0.8	21
46	A highly selective and sensitive fluorescence ratiometric probe for cyanide and its application for the detection of cyanide in natural water and biological samples. <i>Analytical Methods</i> , 2013, 5, 6605.	1.3	20
47	Nitrogen-doped carbon dots as multifunctional fluorescent probes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	20
48	Stattic Enhances Radiosensitivity and Reduces Radio-Induced Migration and Invasion in HCC Cell Lines through an Apoptosis Pathway. <i>BioMed Research International</i> , 2017, 2017, 1-9.	0.9	20
49	PTEN silencing enhances neuronal proliferation and differentiation by activating PI3K/Akt/GSK3 β pathway in vitro. <i>Experimental Cell Research</i> , 2018, 363, 179-187.	1.2	20
50	The mir-675-5p regulates the progression and development of pancreatic cancer via the UBQLN1-ZEB1-mir200 axis. <i>Oncotarget</i> , 2017, 8, 24978-24987.	0.8	20
51	MeCP2 suppresses LIN28A expression <i>via</i> binding to its methylated-CpG islands in pancreatic cancer cells. <i>Oncotarget</i> , 2016, 7, 14476-14485.	0.8	19
52	A Fibrin Matrix Promotes the Differentiation of EMSCs Isolated from Nasal Respiratory Mucosa to Myelinating Phenotypical Schwann-Like Cells. <i>Molecules and Cells</i> , 2015, 38, 221-228.	1.0	18
53	Knockdown of autophagy-related gene LC3 enhances the sensitivity of HepG2 cells to epirubicin. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 1271-1276.	0.8	18
54	The KRAS/Lin28B axis maintains stemness of pancreatic cancer cells via the let-7i/TET3 pathway. <i>Molecular Oncology</i> , 2021, 15, 262-278.	2.1	18

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55	Methyl-CpG-binding domain 3 inhibits epithelial→mesenchymal transition in pancreatic cancer cells via TGF-β2/Smad signalling. <i>British Journal of Cancer</i> , 2017, 116, 91-99.	2.9	17
56	Protein arginine methyltransferase 1 coordinates the epithelial-mesenchymal transition/proliferation dichotomy in gastric cancer cells. <i>Experimental Cell Research</i> , 2018, 362, 43-50.	1.2	16
57	The UCA1/KRAS axis promotes human pancreatic ductal adenocarcinoma stem cell properties and tumor growth. <i>American Journal of Cancer Research</i> , 2019, 9, 496-510.	1.4	16
58	Stearoyl-CoA Desaturase 1 Potentiates Hypoxic plus Nutrient-Deprived Pancreatic Cancer Cell Ferroptosis Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	15
59	Biomimetic Synthesis of Cerium-Doped Carbonaceous Nanoparticles for Highly Hydroxyl Radical Scavenging Activity. <i>Nanoscale Research Letters</i> , 2018, 13, 76.	3.1	14
60	Methyl-CpG-binding protein 2 drives the Furin/TGF-β1/Smad axis to promote epithelial→mesenchymal transition in pancreatic cancer cells. <i>Oncogenesis</i> , 2020, 9, 76.	2.1	14
61	Nattokinase Crude Extract Inhibits Hepatocellular Carcinoma Growth in Mice. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1281-1287.	0.9	14
62	Curcumin doped zeolitic imidazolate framework nanoplateforms as multifunctional nanocarriers for tumor chemo/immunotherapy. <i>Biomaterials Science</i> , 2022, 10, 2384-2393.	2.6	14
63	TRAF6 Promotes Gastric Cancer Cell Self-Renewal, Proliferation, and Migration. <i>Stem Cells International</i> , 2020, 2020, 1-11.	1.2	13
64	Identification of a novel YAP-14-3-3 negative feedback loop in gastric cancer. <i>Oncotarget</i> , 2017, 8, 71894-71910.	0.8	13
65	Localization of phosphorylated TrkA in carrier vesicles involved in its nuclear translocation in U251 cell line. <i>Science in China Series C: Life Sciences</i> , 2007, 50, 141-146.	1.3	12
66	Visualizing the Interplay of Lipid Droplets and Protein Aggregates During Aging via a Dual-Functional Fluorescent Probe. <i>Analytical Chemistry</i> , 2022, 94, 2803-2811.	3.2	12
67	Ectoderm mesenchymal stem cells promote differentiation and maturation of oligodendrocyte precursor cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 727-733.	1.0	11
68	Construction of catechol-grafted chitosan alginate/barium sulfate microcapsules for computed tomography real-time imaging and gastroretentive drug delivery. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6001-6018.	3.3	11
69	Neuregulin-1 Alleviates Sepsis-Induced Skeletal Muscle Atrophy by Inhibiting Autophagy via AKT/mTOR Signaling Pathway in Rats. <i>Shock</i> , 2022, 57, 397-407.	1.0	9
70	The construction and application of a blended teaching model under the strategic background of healthy China. <i>Biochemistry and Molecular Biology Education</i> , 2022, 50, 114-119.	0.5	9
71	Research on Disaster Literacy and Affecting Factors of College Students in Central China. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, 15, 216-222.	0.7	7
72	ME2 Promotes Proneural→Mesenchymal Transition and Lipogenesis in Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 715593.	1.3	7

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73	Furin inhibitor D6R suppresses epithelial-mesenchymal transition in SW1990 and PaTu8988 cells via the Hippo-YAP signaling pathway. <i>Oncology Letters</i> , 2017, 15, 3192-3196.	0.8	6
74	Methyl-CpG-binding domain 3 inhibits stemness of pancreatic cancer cells via Hippo signaling. <i>Experimental Cell Research</i> , 2020, 393, 112091.	1.2	6
75	Nattokinase crude extract enhances oral mucositis healing. <i>BMC Oral Health</i> , 2021, 21, 555.	0.8	6
76	Bifunctional Fluorescent Probe for Sequential Sensing of Thiols and Primary Aliphatic Amines in Distinct Fluorescence Channels. <i>Chemistry - an Asian Journal</i> , 2018, 13, 560-567.	1.7	5
77	Mussel-inspired <i>in situ</i> fabrication of a photothermal composite hydrogel for MR-guided localized tumor ablation. <i>RSC Advances</i> , 2021, 11, 19461-19469.	1.7	4
78	Alternative splicing of lncRNAs in human diseases. <i>American Journal of Cancer Research</i> , 2021, 11, 624-639.	1.4	4
79	Extracellular vesicles derived from astrocytes facilitated neurite elongation by activating the Hippo pathway. <i>Experimental Cell Research</i> , 2022, 411, 112937.	1.2	4
80	Activated Stellate Cell Paracrine HGF Exacerbated Pancreatic Cancer Cell Ferroptosis Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-20.	1.9	3
81	Development of Disaster Nursing in China: From the Spirit of Nightingale to COVID-19. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, 15, e32-e35.	0.7	2
82	Tissue Engineering: EMSCs Build an All-in-One Niche via Cell-Cell Lipid Raft Assembly for Promoted Neuronal but Suppressed Astroglial Differentiation of Neural Stem Cells (<i>Adv. Mater.</i> 10/2019). <i>Advanced Materials</i> , 2019, 31, 1970069.	11.1	1
83	Influence of location-dependent protuberance damage on cell viability. <i>Science Bulletin</i> , 2009, 54, 1260-1266.	4.3	0
84	Identification and differentiation therapy strategy of pterygium in vitro. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2619-2627.	0.0	0