Xia Zhang

List of Publications by Year
in descending order

119 papers	9,452 citations	50276 46 h-index	39675 94 g-index
130 all docs	130 docs citations	130 times ranked	17357 citing authors

#	Article	IF	Citations
1	The Isolation and Characterization of Murine Macrophages. Current Protocols in Immunology, 2008, 83, Unit 14.1.	3.6	1,090
2	Interleukin‑10: new perspectives on an old cytokine. Immunological Reviews, 2008, 226, 205-218.	6.0	885
3	Biochemical and functional characterization of three activated macrophage populations. Journal of Leukocyte Biology, 2006, 80, 1298-1307.	3.3	691
4	Tumor-Associated Microglia/Macrophages Enhance the Invasion of Glioma Stem-like Cells via TGF-β1 Signaling Pathway. Journal of Immunology, 2012, 189, 444-453.	0.8	390
5	NF-κB1 (p50) Homodimers Differentially Regulate Pro- and Anti-inflammatory Cytokines in Macrophages. Journal of Biological Chemistry, 2006, 281, 26041-26050.	3.4	331
6	The role of NF-κB in the regulation of cell stress responses. International Immunopharmacology, 2002, 2, 1509-1520.	3.8	298
7	The proteasome inhibitor PS-341 sensitizes neoplastic cells to TRAIL-mediated apoptosis by reducing levels of c-FLIP. Blood, 2003, 102, 303-310.	1.4	229
8	Tumour-associated macrophages secrete pleiotrophin to promote PTPRZ1 signalling in glioblastoma stem cells for tumour growth. Nature Communications, 2017, 8, 15080.	12.8	219
9	ERK Activation Following Macrophage FcγR Ligation Leads to Chromatin Modifications at the IL-10 Locus. Journal of Immunology, 2005, 175, 469-477.	0.8	190
10	Angiogenic effects of prostaglandin E2 are mediated by up-regulation of CXCR4 on human microvascular endothelial cells. Blood, 2003, 102, 1966-1977.	1.4	171
11	Metastatic Consequences of Immune Escape from NK Cell Cytotoxicity by Human Breast Cancer Stem Cells. Cancer Research, 2014, 74, 5746-5757.	0.9	163
12	Activation of Murine Macrophages. Current Protocols in Immunology, 2008, 83, Unit 14.2.	3.6	150
13	Activation of the MAPK, ERK, following <i>Leishmania amazonensis</i> Infection of Macrophages. Journal of Immunology, 2007, 178, 1077-1085.	0.8	133
14	Coactivators and Corepressors of NF-κB in IκBα Gene Promoter. Journal of Biological Chemistry, 2005, 280, 21091-21098.	3.4	125
15	Autophagy-induced KDR/VEGFR-2 activation promotes the formation of vasculogenic mimicry by glioma stem cells. Autophagy, 2017, 13, 1528-1542.	9.1	119
16	Vascular Endothelial Growth Factor Receptor 2 (VEGFR-2) Plays a Key Role in Vasculogenic Mimicry Formation, Neovascularization and Tumor Initiation by Glioma Stem-like Cells. PLoS ONE, 2013, 8, e57188.	2.5	117
17	Dynamic and Transient Remodeling of the Macrophage IL-10 Promoter during Transcription. Journal of Immunology, 2006, 177, 1282-1288.	0.8	116
18	Invasion of white matter tracts by glioma stem cells is regulated by a NOTCH1–SOX2 positive-feedback loop. Nature Neuroscience, 2019, 22, 91-105.	14.8	116

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19	Formylpeptide Receptor FPR and the Rapid Growth of Malignant Human Gliomas. Journal of the National Cancer Institute, 2005, 97, 823-835.	6.3	115
20	Platelet activation attracts a subpopulation of effector monocytes to sites of *Leishmania major* infection. Journal of Experimental Medicine, 2011, 208, 1253-1265.	8.5	115
21	Endothelial cells promote stem‐like phenotype of glioma cells through activating the Hedgehog pathway. Journal of Pathology, 2014, 234, 11-22.	4.5	112
22	Genome-wide Analysis Identifies Bcl6-Controlled Regulatory Networks during T Follicular Helper Cell Differentiation. Cell Reports, 2016, 14, 1735-1747.	6.4	110
23	ALDH1A1 defines invasive cancer stem-like cells and predicts poor prognosis in patients with esophageal squamous cell carcinoma. Modern Pathology, 2014, 27, 775-783.	5.5	106
24	Tamoxifen enhances stemness and promotes metastasis of ERα36+ breast cancer by upregulating ALDH1A1 in cancer cells. Cell Research, 2018, 28, 336-358.	12.0	98
25	Differential Regulation of Chemokine Gene Expression by 15-Deoxy-Δ12,1412,14 Prostaglandin J2. Journal of Immunology, 2001, 166, 7104-7111.	0.8	95
26	PPAR and immune system—what do we know?. International Immunopharmacology, 2002, 2, 1029-1044.	3.8	95
27	CCL8 secreted by tumor-associated macrophages promotes invasion and stemness of glioblastoma cells via ERK1/2 signaling. Laboratory Investigation, 2020, 100, 619-629.	3.7	91
28	Primate-Specific miR-663 Functions as a Tumor Suppressor by Targeting *PIK3CD* and Predicts the Prognosis of Human Glioblastoma. Clinical Cancer Research, 2014, 20, 1803-1813.	7.0	90
29	A Novel Zebrafish Xenotransplantation Model for Study of Glioma Stem Cell Invasion. PLoS ONE, 2013, 8, e61801.	2.5	87
30	β-Catenin/POU5F1/SOX2 Transcription Factor Complex Mediates IGF-I Receptor Signaling and Predicts Poor Prognosis in Lung Adenocarcinoma. Cancer Research, 2013, 73, 3181-3189.	0.9	85
31	High‐mobility group box 1 released by autophagic cancer‐associated fibroblasts maintains the stemness of luminal breast cancer cells. Journal of Pathology, 2017, 243, 376-389.	4.5	84
32	ALDH1A1 expression correlates with clinicopathologic features and poor prognosis of breast cancer patients: a systematic review and meta-analysis. BMC Cancer, 2014, 14, 444.	2.6	81
33	Connexin 43 Reverses Malignant Phenotypes of Glioma Stem Cells by Modulating E-Cadherin. Stem Cells, 2012, 30, 108-120.	3.2	79
34	The Expression of Exogenous Genes in Macrophages: Obstacles and Opportunities. Methods in Molecular Biology, 2009, 531, 123-143.	0.9	76
35	Strategies for Isolating and Enriching Cancer Stem Cells: Well Begun Is Half Done. Stem Cells and Development, 2013, 22, 2221-2239.	2.1	74
36	Histone deacetylase 3 participates in self-renewal of liver cancer stem cells through histone modification. Cancer Letters, 2013, 339, 60-69.	7.2	73

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37	A three-dimensional collagen scaffold cell culture system for screening anti-glioma therapeutics. Oncotarget, 2016, 7, 56904-56914.	1.8	64
38	TLRs, macrophages, and NK cells: Our understandings of their functions in uterus and ovary. International Immunopharmacology, 2011, 11, 1442-1450.	3.8	61
39	Sympathetic nervous system promotes hepatocarcinogenesis by modulating inflammation through activation of alpha1-adrenergic receptors of Kupffer cells. Brain, Behavior, and Immunity, 2017, 59, 118-134.	4.1	61
40	TGF-β1 Disrupts Endotoxin Signaling in Microglial Cells through Smad3 and MAPK Pathways. Journal of Immunology, 2004, 173, 962-968.	0.8	59
41	Panton-Valentine Leukocidin (PVL)-Positive Health Care-Associated Methicillin-Resistant Staphylococcus aureus Isolates Are Associated with Skin and Soft Tissue Infections and Colonized Mainly by Infective PVL-Encoding Bacteriophages. Journal of Clinical Microbiology, 2015, 53, 67-72.	3.9	57
42	Insights into the post-translational modification and its emerging role in shaping the tumor microenvironment. Signal Transduction and Targeted Therapy, 2021, 6, 422.	17.1	57
43	Cripto-1 acts as a functional marker of cancer stem-like cells and predicts prognosis of the patients in esophageal squamous cell carcinoma. Molecular Cancer, 2017, 16, 81.	19.2	56
44	Angiogenic Deficiency and Adipose Tissue Dysfunction Are Associated with Macrophage Malfunction in SIRT1$\hat{a}$'/$\hat{a}$' Mice. Endocrinology, 2012, 153, 1706-1716.	2.8	54
45	miR-663 Suppresses Oncogenic Function of <i>CXCR4</i> in Glioblastoma. Clinical Cancer Research, 2015, 21, 4004-4013.	7.0	53
46	A four-gene signature-derived risk score for glioblastoma: prospects for prognostic and response predictive analyses. Cancer Biology and Medicine, 2019, 16, 595-605.	3.0	53
47	Peroxisome Proliferator-Activated Receptor-$\hat{I}^3$ Regulates the Expression of Alveolar Macrophage Macrophage Colony-Stimulating Factor. Journal of Immunology, 2008, 181, 235-242.	0.8	51
48	Kir2.1 Interaction with Stk38 Promotes Invasion and Metastasis of Human Gastric Cancer by Enhancing MEKK2â€"MEK1/2â€"ERK1/2 Signaling. Cancer Research, 2018, 78, 3041-3053.	0.9	49
49	The Expression of Heparin-Binding Epidermal Growth Factor-Like Growth Factor by Regulatory Macrophages. Journal of Immunology, 2009, 182, 1929-1939.	0.8	48
50	VDAC2 interacts with PFKP to regulate glucose metabolism and phenotypic reprogramming of glioma stem cells. Cell Death and Disease, 2018, 9, 988.	6.3	48
51	RAC1-GTP promotes epithelial-mesenchymal transition and invasion of colorectal cancer by activation of STAT3. Laboratory Investigation, 2018, 98, 989-998.	3.7	48
52	Angiogenesis as an immunopharmacologic target in inflammation and cancer. International Immunopharmacology, 2004, 4, 1537-1547.	3.8	47
53	Tumor mutational burden is associated with poor outcomes in diffuse glioma. BMC Cancer, 2020, 20, 213.	2.6	46
54	Transcription factor RUNX2 up-regulates chemokine receptor CXCR4 to promote invasive and metastatic potentials of human gastric cancer. Oncotarget, 2016, 7, 20999-21012.	1.8	46

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55	Scinderin promotes the invasion and metastasis of gastric cancer cells and predicts the outcome of patients. Cancer Letters, 2016, 376, 110-117.	7.2	43
56	Stanniocalcin-1 augments stem-like traits of glioblastoma cells through binding and activating NOTCH1. Cancer Letters, 2018, 416, 66-74.	7.2	43
57	Peroxisome proliferator-activated receptor-Î³ and its ligands attenuate biologic functions of human natural killer cells. Blood, 2004, 104, 3276-3284.	1.4	42
58	The Regulation of Th1 Responses by the p38 MAPK. Journal of Immunology, 2010, 185, 6205-6213.	0.8	42
59	TGF-Î²1 enhances tumor-induced angiogenesis via JNK pathway and macrophage infiltration in an improved zebrafish embryo/xenograft glioma model. International Immunopharmacology, 2013, 15, 191-198.	3.8	42
60	Combined Therapy with Cytokine-Induced Killer Cells and Oncolytic Adenovirus Expressing IL-12 Induce Enhanced Antitumor Activity in Liver Tumor Model. PLoS ONE, 2012, 7, e44802.	2.5	41
61	Semaphorin-3F suppresses the stemness of colorectal cancer cells by inactivating Rac1. Cancer Letters, 2015, 358, 76-84.	7.2	38
62	The landscape of immune microenvironment in lung adenocarcinoma and squamous cell carcinoma based on PDâ€L1 expression and tumorâ€infiltrating lymphocytes. Cancer Medicine, 2019, 8, 7207-7218.	2.8	35
63	SEMA3F prevents metastasis of colorectal cancer by PI3Kâ€"AKTâ€dependent downâ€regulation of the ASCL2â€"CXCR4 axis. Journal of Pathology, 2015, 236, 467-478.	4.5	34
64	Capillary morphogenesis gene 2 maintains gastric cancer stem-like cell phenotype by activating a Wnt/Î²-catenin pathway. Oncogene, 2018, 37, 3953-3966.	5.9	34
65	IL-4 Inhibits the Expression of Mouse Formyl Peptide Receptor 2, a Receptor for Amyloid Î²1â€"42, in TNF-Î±-Activated Microglia. Journal of Immunology, 2005, 175, 6100-6106.	0.8	32
66	First report of a sequence type 239 vancomycin-intermediate Staphylococcus aureus isolate in Mainland China. Diagnostic Microbiology and Infectious Disease, 2013, 77, 64-68.	1.8	31
67	SOSTDC1-producing follicular helper T cells promote regulatory follicular T cell differentiation. Science, 2020, 369, 984-988.	12.6	31
68	Cancer stem cells and their vascular niche: Do they benefit from each other?. Cancer Letters, 2016, 380, 561-567.	7.2	30
69	Complete Genome Sequence of Staphylococcus aureus XN108, an ST239-MRSA-SCC <i>mec</i> III Strain with Intermediate Vancomycin Resistance Isolated in Mainland China. Genome Announcements, 2014, 2, .	0.8	29
70	Phosphorylated mTOR and YAP serve as prognostic markers and therapeutic targets in gliomas. Laboratory Investigation, 2017, 97, 1354-1363.	3.7	29
71	IL-4 Down-Regulates Lipopolysaccharide-Induced Formyl Peptide Receptor 2 in Murine Microglial Cells by Inhibiting the Activation of Mitogen-Activated Protein Kinases. Journal of Immunology, 2003, 171, 5482-5488.	0.8	28
72	ARL4C stabilized by AKT/mTOR pathway promotes the invasion of PTENâ€deficient primary human glioblastoma. Journal of Pathology, 2019, 247, 266-278.	4.5	27

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73	ATG4A promotes tumor metastasis by inducing the epithelial-mesenchymal transition and stem-like properties in gastric cells. Oncotarget, 2016, 7, 39279-39292.	1.8	27
74	PTP1B promotes aggressiveness of breast cancer cells by regulating PTEN but not EMT. Tumor Biology, 2016, 37, 13479-13487.	1.8	26
75	Measuring Opsonic Phagocytosis via Fcγ Receptors and Complement Receptors on Macrophages. Current Protocols in Immunology, 2011, 95, Unit 14.27.	3.6	24
76	POU5F1 Enhances the Invasiveness of Cancer Stem-Like Cells in Lung Adenocarcinoma by Upregulation of MMP-2 Expression. PLoS ONE, 2013, 8, e83373.	2.5	24
77	Hostile Takeover: Glioma Stem Cells Recruit TAMs to Support Tumor Progression. Cell Stem Cell, 2015, 16, 219-220.	11.1	24
78	Blockading a new NSCLC immunosuppressive target by pluripotent autologous tumor vaccines magnifies sequential immunotherapy. Bioactive Materials, 2022, 13, 223-238.	15.6	24
79	Microvascular fractal dimension predicts prognosis and response to chemotherapy in glioblastoma: an automatic image analysis study. Laboratory Investigation, 2018, 98, 924-934.	3.7	23
80	A Synthetic dl-Nordihydroguaiaretic acid (Nordy), Inhibits Angiogenesis, Invasion and Proliferation of Glioma Stem Cells within a Zebrafish Xenotransplantation Model. PLoS ONE, 2014, 9, e85759.	2.5	22
81	Hybrids by tumor-associated macrophages Ã— glioblastoma cells entail nuclear reprogramming and glioblastoma invasion. Cancer Letters, 2019, 442, 445-452.	7.2	22
82	Stromal PD-1+ tumor-associated macrophages predict poor prognosis in lung adenocarcinoma. Human Pathology, 2020, 97, 68-79.	2.0	22
83	MPC1 deficiency accelerates lung adenocarcinoma progression through the STAT3 pathway. Cell Death and Disease, 2019, 10, 148.	6.3	21
84	Regulation of human apolipoprotein A-I gene expression by equine estrogens. Journal of Lipid Research, 2001, 42, 1789-1800.	4.2	21
85	Elevated expression of ASCL2 is an independent prognostic indicator in lung squamous cell carcinoma. Journal of Clinical Pathology, 2016, 69, 313-318.	2.0	20
86	Zyxin (ZYX) promotes invasion and acts as a biomarker for aggressive phenotypes of human glioblastoma multiforme. Laboratory Investigation, 2020, 100, 812-823.	3.7	20
87	Regulation of Human Apolipoprotein A-I Gene Expression by Gramoxone. Journal of Biological Chemistry, 1997, 272, 14954-14960.	3.4	19
88	Downregulation of Ezh2 methyltransferase by FOXP3: New insight of FOXP3 into chromatin remodeling?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2190-2200.	4.1	19
89	Activation of toll-like receptor 2 promotes invasion by upregulating MMPs in glioma stem cells. American Journal of Translational Research (discontinued), 2015, 7, 607-15.	0.0	19
90	Protein-DNA Interactions at a Drug-responsive Element of the Human Apolipoprotein A-I Gene. Journal of Biological Chemistry, 1996, 271, 27152-27160.	3.4	17

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91	ERBB3, IGF1R, and TGFBR2 expression correlate with PDGFR expression in glioblastoma and participate in PDGFR inhibitor resistance of glioblastoma cells. American Journal of Cancer Research, 2018, 8, 792-809.	1.4	17
92	Aldehyde dehydrogenase 1A1 circumscribes high invasive glioma cells and predicts poor prognosis. American Journal of Cancer Research, 2015, 5, 1471-83.	1.4	16
93	Effects of IL-7 and dexamethasone: Induction of CD25, the high affinity IL-2 receptor, on human CD4+ cells. Cellular Immunology, 2004, 232, 57-63.	3.0	15
94	Combination of p38 MAPK inhibitor with PD-L1 antibody effectively prolongs survivals of temozolomide-resistant glioma-bearing mice via reduction of infiltrating glioma-associated macrophages and PD-L1 expression on resident glioma-associated microglia. Brain Tumor Pathology, 2021, 38, 189-200.	1.7	15
95	Human S mu binding protein-2 binds to the drug response element and transactivates the human apoA-I promoter: role of gemfibrozil. Journal of Lipid Research, 1998, 39, 255-267.	4.2	15
96	Distinct patterns of ALDH1A1 expression predict metastasis and poor outcome of colorectal carcinoma. International Journal of Clinical and Experimental Pathology, 2014, 7, 2976-86.	0.5	15
97	Large Intergenic Non-coding RNA-RoR Inhibits Aerobic Glycolysis of Glioblastoma Cells via Akt Pathway. Journal of Cancer, 2018, 9, 880-889.	2.5	14
98	SOX5 interacts with YAP1 to drive malignant potential of non-small cell lung cancer cells. American Journal of Cancer Research, 2018, 8, 866-878.	1.4	14
99	<i>In vitro</i> investigation of a tissue-engineered cell-tendon complex mimicking the transitional architecture at the ligament-bone interface. Journal of Biomaterials Applications, 2015, 29, 1180-1192.	2.4	13
100	Integrated analysis identified core signal pathways and hypoxic characteristics of human glioblastoma. Journal of Cellular and Molecular Medicine, 2019, 23, 6228-6237.	3.6	13
101	Silencing the Formylpeptide Receptor FPR by Short-Interfering RNA. Molecular Pharmacology, 2004, 66, 1022-1028.	2.3	12
102	Increased pro-angiogenic factors, infiltrating neutrophils and CD163+ macrophages in bronchoalveolar lavage fluid from lung cancer patients. International Immunopharmacology, 2014, 20, 74-80.	3.8	12
103	ATPase inhibitory factor 1 expression is an independent prognostic factor in non-small cell lung cancer. American Journal of Cancer Research, 2016, 6, 1141-8.	1.4	12
104	EPHA2 mediates PDGFA activity and functions together with PDGFRA as prognostic marker and therapeutic target in glioblastoma. Signal Transduction and Targeted Therapy, 2022, 7, 33.	17.1	12
105	Direct Anterior Approach in Crowe Type <scp>III–IV</scp> Developmental Dysplasia of the Hip: Surgical Technique and 2‰years Follow‐up from Southwest China. Orthopaedic Surgery, 2020, 12, 1140-1152.	1.8	9
106	Oral administration of prednisone effectively reduces subacute pain after total knee arthroplasty. Orthopaedics and Traumatology: Surgery and Research, 2021, 107, 102770.	2.0	9
107	Selection of reference genes suitable for normalization of RT-qPCR data in glioma stem cells. BioTechniques, 2020, 68, 130-137.	1.8	8
108	The E3 ubiquitin ligase HUWE1 acts through the N‐Myc‐DLL1‐NOTCH1 signaling axis to suppress glioblastoma progression. Cancer Communications, 2022, 42, 868-886.	9.2	8

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109	ADP-Ribosylation Factor Like GTPase 4C (ARL4C) augments stem-like traits of glioblastoma cells by upregulating ALDH1A3. Journal of Cancer, 2021, 12, 818-826.	2.5	6
110	NDGA-P21, a novel derivative of nordihydroguaiaretic acid, inhibits glioma cell proliferation and stemness. Laboratory Investigation, 2017, 97, 1180-1187.	3.7	4
111	Tightening medial collateral ligament during total knee arthroplasty for patients with fixed valgus deformity: A novel technique. Journal of Orthopaedic Surgery, 2019, 27, 230949901983469.	1.0	4
112	Elevated ASCL2 expression in breast cancer is associated with the poor prognosis of patients. American Journal of Cancer Research, 2017, 7, 955-961.	1.4	4
113	Elevated Kir2.1/nuclear N2ICD defines a highly malignant subtype of non-WNT/SHH medulloblastomas. Signal Transduction and Targeted Therapy, 2022, 7, 72.	17.1	4
114	Murine immune response induced by Leishmania major during the implantation of paraffin tablets. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2010, 457, 609-618.	2.8	3
115	Subtrochanteric Osteotomy in Direct Anterior Approach Total Hip Arthroplasty. Orthopaedic Surgery, 2020, 12, 2041-2047.	1.8	3
116	Direct Anterior Approach: The Outlook of Total Hip Arthroplasty in Crowe Type <scp>III–IV</scp> Hip Dysplasia. Orthopaedic Surgery, 2020, 12, 1016-1018.	1.8	3
117	Restoration of Constitutional Alignment in TKA with a Novel Osteotomy Technique. Journal of Knee Surgery, 2020, 33, 190-199.	1.6	2
118	Predictive factors associated with the clinical outcome of intertrochanteric hip fracture in high-risk elderly patients treated with total hip arthroplasty versus percutaneous external fixation. Annals of Translational Medicine, 2021, 9, 740-740.	1.7	1
119	The Functional Heterogeneity of Activated Macrophages. , 0, , 325-340.		0