

Huafeng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,219
citations

94433

37
h-index

114465

63
g-index

65
all docs

65
docs citations

65
times ranked

7039
citing authors

#	ARTICLE	IF	CITATIONS
1	Reprogramming of glucose, fatty acid and amino acid metabolism for cancer progression. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 377-392.	5.4	473
2	Soft fibrin gels promote selection and growth of tumorigenic cells. <i>Nature Materials</i> , 2012, 11, 734-741.	27.5	384
3	Chloroquine modulates antitumor immune response by resetting tumor-associated macrophages toward M1 phenotype. <i>Nature Communications</i> , 2018, 9, 873.	12.8	324
4	Tumor-Repopulating Cells Induce PD-1 Expression in CD8+ T Cells by Transferring Kynurenine and AhR Activation. <i>Cancer Cell</i> , 2018, 33, 480-494.e7.	16.8	318
5	Metabolic reprogramming for cancer cells and their microenvironment: Beyond the Warburg Effect. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 51-66.	7.4	241
6	Intracellular Self-Assembly of Taxol Nanoparticles for Overcoming Multidrug Resistance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9700-9704.	13.8	184
7	Reversing drug resistance of soft tumor-repopulating cells by tumor cell-derived chemotherapeutic microparticles. <i>Cell Research</i> , 2016, 26, 713-727.	12.0	183
8	IL-2 regulates tumor-reactive CD8+ T cell exhaustion by activating the aryl hydrocarbon receptor. <i>Nature Immunology</i> , 2021, 22, 358-369.	14.5	170
9	Mitochondrial fragmentation limits NK cell-based tumor immunosurveillance. <i>Nature Immunology</i> , 2019, 20, 1656-1667.	14.5	156
10	Blockade of IDO-kynurenine-AhR metabolic circuitry abrogates IFN- γ -induced immunologic dormancy of tumor-repopulating cells. <i>Nature Communications</i> , 2017, 8, 15207.	12.8	147
11	A Pck1-directed glycogen metabolic program regulates formation and maintenance of memory CD8+ T cells. <i>Nature Cell Biology</i> , 2018, 20, 21-27.	10.3	130
12	Glycogen metabolism regulates macrophage-mediated acute inflammatory responses. <i>Nature Communications</i> , 2020, 11, 1769.	12.8	114
13	Cell-free Tumor Microparticle Vaccines Stimulate Dendritic Cells via cGAS/STING Signaling. <i>Cancer Immunology Research</i> , 2015, 3, 196-205.	3.4	104
14	Ketogenesis-generated β -hydroxybutyrate is an epigenetic regulator of CD8+ T-cell memory development. <i>Nature Cell Biology</i> , 2020, 22, 18-25.	10.3	104
15	Polo-like kinase 1 coordinates biosynthesis during cell cycle progression by directly activating pentose phosphate pathway. <i>Nature Communications</i> , 2017, 8, 1506.	12.8	100
16	Hypoxia regulates the mitochondrial activity of hepatocellular carcinoma cells through HIF/HEY1/PINK1 pathway. <i>Cell Death and Disease</i> , 2019, 10, 934.	6.3	98
17	Methotrexate-loaded tumour-cell-derived microvesicles can relieve biliary obstruction in patients with extrahepatic cholangiocarcinoma. <i>Nature Biomedical Engineering</i> , 2020, 4, 743-753.	22.5	94
18	STAT3/p53 pathway activation disrupts IFN- γ -induced dormancy in tumor-repopulating cells. <i>Journal of Clinical Investigation</i> , 2018, 128, 1057-1073.	8.2	86

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19	Tumor cell-derived microparticles polarize M2 tumor-associated macrophages for tumor progression. <i>Oncolmmunology</i> , 2016, 5, e1118599.	4.6	85
20	Delivery of oncolytic adenovirus into the nucleus of tumorigenic cells by tumor microparticles for virotherapy. <i>Biomaterials</i> , 2016, 89, 56-66.	11.4	83
21	miR-290/371-Mbd2-Myc circuit regulates glycolytic metabolism to promote pluripotency. <i>EMBO Journal</i> , 2015, 34, 609-623.	7.8	82
22	Cell softness regulates tumorigenicity and stemness of cancer cells. <i>EMBO Journal</i> , 2021, 40, e106123.	7.8	77
23	Fibrin Stiffness Mediates Dormancy of Tumor-Repopulating Cells via a Cdc42-Driven Tet2 Epigenetic Program. <i>Cancer Research</i> , 2018, 78, 3926-3937.	0.9	74
24	Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2019, 29, 979-992.e4.	16.2	72
25	Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumour immunity. <i>Nature Cell Biology</i> , 2020, 22, 716-727.	10.3	70
26	Upregulation of Cytosolic Phosphoenolpyruvate Carboxykinase Is a Critical Metabolic Event in Melanoma Cells That Repopulate Tumors. <i>Cancer Research</i> , 2015, 75, 1191-1196.	0.9	69
27	Aurora-A mediated phosphorylation of LDHB promotes glycolysis and tumor progression by relieving the substrate-inhibition effect. <i>Nature Communications</i> , 2019, 10, 5566.	12.8	66
28	Hypoxia-reprogrammed tricarboxylic acid cycle promotes the growth of human breast tumorigenic cells. <i>Oncogene</i> , 2019, 38, 6970-6984.	5.9	60
29	Hypoxia and Metabolism in Metastasis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1136, 87-95.	1.6	58
30	ENO1 suppresses cancer cell ferroptosis by degrading the mRNA of iron regulatory protein 1. <i>Nature Cancer</i> , 2022, 3, 75-89.	13.2	58
31	Lipid mediator lipoxin A4 inhibits tumor growth by targeting IL-10-producing regulatory B (Breg) cells. <i>Cancer Letters</i> , 2015, 364, 118-124.	7.2	55
32	Cell Softness Prevents Cytolytic T-cell Killing of Tumor-Repopulating Cells. <i>Cancer Research</i> , 2021, 81, 476-488.	0.9	54
33	Mechanisms by Which Dendritic Cells Present Tumor Microparticle Antigens to CD8+ T Cells. <i>Cancer Immunology Research</i> , 2018, 6, 1057-1068.	3.4	49
34	Intracellular Self-Assembly of Cyclic α -Luciferin Nanoparticles for Persistent Bioluminescence Imaging of Fatty Acid Amide Hydrolase. <i>ACS Nano</i> , 2016, 10, 7147-7153.	14.6	48
35	Bioluminescence Sensing of β -Glutamyltranspeptidase Activity In Vitro and In Vivo. <i>Analytical Chemistry</i> , 2017, 89, 7017-7021.	6.5	48
36	Circulating Tumor Microparticles Promote Lung Metastasis by Reprogramming Inflammatory and Mechanical Niches via a Macrophage-Dependent Pathway. <i>Cancer Immunology Research</i> , 2018, 6, 1046-1056.	3.4	47

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37	Efficient extravasation of tumor-repopulating cells depends on cell deformability. <i>Scientific Reports</i> , 2016, 6, 19304.	3.3	46
38	Macrophages reprogrammed by lung cancer microparticles promote tumor development via release of IL-1 β . <i>Cellular and Molecular Immunology</i> , 2020, 17, 1233-1244.	10.5	41
39	Chemotherapeutic Tumor Microparticles Elicit a Neutrophil Response Targeting Malignant Pleural Effusions. <i>Cancer Immunology Research</i> , 2020, 8, 1193-1205.	3.4	40
40	Hypoxia Promotes Breast Cancer Cell Growth by Activating a Glycogen Metabolic Program. <i>Cancer Research</i> , 2021, 81, 4949-4963.	0.9	40
41	Autosomal dominant retinitis pigmentosa-associated gene <i>PRPF8</i> is essential for hypoxia-induced mitophagy through regulating <i>ULK1</i> mRNA splicing. <i>Autophagy</i> , 2018, 14, 1818-1830.	9.1	35
42	Hydrazide d-luciferin for in vitro selective detection and intratumoral imaging of Cu ²⁺ . <i>Biosensors and Bioelectronics</i> , 2016, 83, 200-204.	10.1	34
43	Structural insights into dimethylation of 12S rRNA by TFB1M: indispensable role in translation of mitochondrial genes and mitochondrial function. <i>Nucleic Acids Research</i> , 2019, 47, 7648-7665.	14.5	33
44	Myc-mediated SDHA acetylation triggers epigenetic regulation of gene expression and tumorigenesis. <i>Nature Metabolism</i> , 2020, 2, 256-269.	11.9	33
45	Pre-instillation of tumor microparticles enhances intravesical chemotherapy of nonmuscle-invasive bladder cancer through a lysosomal pathway. <i>Biomaterials</i> , 2017, 113, 93-104.	11.4	31
46	Chemotherapeutic tumor microparticles combining low-dose irradiation reprogram tumor-promoting macrophages through a tumor-repopulating cell-curtailing pathway. <i>Oncolmmunology</i> , 2017, 6, e1309487.	4.6	30
47	Tumor-derived microparticles in tumor immunology and immunotherapy. <i>European Journal of Immunology</i> , 2020, 50, 1653-1662.	2.9	29
48	Oral delivery of tumor microparticle vaccines activates NOD2 signaling pathway in ileac epithelium rendering potent antitumor T cell immunity. <i>Oncolmmunology</i> , 2017, 6, e1282589.	4.6	27
49	Beyond energy storage: roles of glycogen metabolism in health and disease. <i>FEBS Journal</i> , 2021, 288, 3772-3783.	4.7	27
50	Artemin is hypoxia responsive and promotes oncogenicity and increased tumor initiating capacity in hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 3267-3282.	1.8	25
51	Tumor cell-derived microparticles: a new form of cancer vaccine. <i>Oncolmmunology</i> , 2015, 4, e1017704.	4.6	23
52	CUE domain-containing protein 2 promotes the Warburg effect and tumorigenesis. <i>EMBO Reports</i> , 2017, 18, 809-825.	4.5	22
53	HIF-1 suppresses lipid catabolism to promote cancer progression. <i>Molecular and Cellular Oncology</i> , 2015, 2, e980184.	0.7	21
54	Gasdermin E mediates resistance of pancreatic adenocarcinoma to enzymatic digestion through a YBX1 mucin pathway. <i>Nature Cell Biology</i> , 2022, 24, 364-372.	10.3	19

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55	TCR activation directly stimulates PYGB-dependent glycogenolysis to fuel the early recall response in CD8+ memory T cells. <i>Molecular Cell</i> , 2022, 82, 3077-3088.e6.	9.7	14
56	Brief Report: Human Mesenchymal Stem-Like Cells Facilitate Floating Tumorigenic Cell Growth via Glutamine-Ammonium Cycle. <i>Stem Cells</i> , 2015, 33, 2877-2884.	3.2	6
57	Microparticles mediate human papillomavirus type 6 or 11 infection of human macrophages. <i>Cellular and Molecular Immunology</i> , 2017, 14, 395-397.	10.5	6
58	Enhanced Glycogen Metabolism Supports the Survival and Proliferation of HPV-Infected Keratinocytes in Condylomata Acuminata. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1513-1523.e5.	0.7	6
59	Characterization and Functional Analysis of Tumor-Derived Microparticles. <i>Current Protocols</i> , 2021, 1, e144.	2.9	5
60	CDC5L drives FAH expression to promote metabolic reprogramming in melanoma. <i>Oncotarget</i> , 2017, 8, 114328-114343.	1.8	3