Huafeng Zhang

List of Publications by Year
in descending order

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60	5,219	94433 37	114465 63
papers	citations	h-index	g-index

65	65	65	7039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gasdermin E mediates resistance of pancreatic adenocarcinoma to enzymatic digestion through a YBX1â€“mucin pathway. Nature Cell Biology, 2022, 24, 364-372.	10.3	19
2	ENO1 suppresses cancer cell ferroptosis by degrading the mRNA of iron regulatory protein 1. Nature Cancer, 2022, 3, 75-89.	13.2	58
3	TCR activation directly stimulates PYGB-dependent glycogenolysis to fuel the early recall response in CD8+ memory TÂcells. Molecular Cell, 2022, 82, 3077-3088.e6.	9.7	14
4	Beyond energy storage: roles of glycogen metabolism in health and disease. FEBS Journal, 2021, 288, 3772-3783.	4.7	27
5	Cell Softness Prevents Cytolytic T-cell Killing of Tumor-Repopulating Cells. Cancer Research, 2021, 81, 476-488.	0.9	54
6	Characterization and Functional Analysis of Tumorâ€Derived Microparticles. Current Protocols, 2021, 1, e144.	2.9	5
7	Hypoxia Promotes Breast Cancer Cell Growth by Activating a Glycogen Metabolic Program. Cancer Research, 2021, 81, 4949-4963.	0.9	40
8	IL-2 regulates tumor-reactive CD8+ T cell exhaustion by activating the aryl hydrocarbon receptor. Nature Immunology, 2021, 22, 358-369.	14.5	170
9	Cell softness regulates tumorigenicity and stemness of cancer cells. EMBO Journal, 2021, 40, e106123.	7.8	77
10	Ketogenesis-generated Î²-hydroxybutyrate is an epigenetic regulator of CD8+ T-cell memory development. Nature Cell Biology, 2020, 22, 18-25.	10.3	104
11	Macrophages reprogrammed by lung cancer microparticles promote tumor development via release of IL-1Î². Cellular and Molecular Immunology, 2020, 17, 1233-1244.	10.5	41
12	Chemotherapeutic Tumor Microparticles Elicit a Neutrophil Response Targeting Malignant Pleural Effusions. Cancer Immunology Research, 2020, 8, 1193-1205.	3.4	40
13	Tumorâ€derived microparticles in tumor immunology and immunotherapy. European Journal of Immunology, 2020, 50, 1653-1662.	2.9	29
14	Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumour immunity. Nature Cell Biology, 2020, 22, 716-727.	10.3	70
15	Myc-mediated SDHA acetylation triggers epigenetic regulation of gene expression and tumorigenesis. Nature Metabolism, 2020, 2, 256-269.	11.9	33
16	Methotrexate-loaded tumour-cell-derived microvesicles can relieve biliary obstruction in patients with extrahepatic cholangiocarcinoma. Nature Biomedical Engineering, 2020, 4, 743-753.	22.5	94
17	Enhanced Glycogen Metabolism Supports the Survival and Proliferation of HPV-Infected Keratinocytes in Condylomata Acuminata. Journal of Investigative Dermatology, 2020, 140, 1513-1523.e5.	0.7	6
18	Glycogen metabolism regulates macrophage-mediated acute inflammatory responses. Nature Communications, 2020, 11, 1769.	12.8	114

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19	Hypoxia-reprogrammed tricarboxylic acid cycle promotes the growth of human breast tumorigenic cells. Oncogene, 2019, 38, 6970-6984.	5.9	60
20	Structural insights into dimethylation of 12S rRNA by TFB1M: indispensable role in translation of mitochondrial genes and mitochondrial function. Nucleic Acids Research, 2019, 47, 7648-7665.	14.5	33
21	Hypoxia and Metabolism in Metastasis. Advances in Experimental Medicine and Biology, 2019, 1136, 87-95.	1.6	58
22	Aurora-A mediated phosphorylation of LDHB promotes glycolysis and tumor progression by relieving the substrate-inhibition effect. Nature Communications, 2019, 10, 5566.	12.8	66
23	Mitochondrial fragmentation limits NK cell-based tumor immunosurveillance. Nature Immunology, 2019, 20, 1656-1667.	14.5	156
24	Hypoxia regulates the mitochondrial activity of hepatocellular carcinoma cells through HIF/HEY1/PINK1 pathway. Cell Death and Disease, 2019, 10, 934.	6.3	98
25	Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. Cell Metabolism, 2019, 29, 979-992.e4.	16.2	72
26	Chloroquine modulates antitumor immune response by resetting tumor-associated macrophages toward M1 phenotype. Nature Communications, 2018, 9, 873.	12.8	324
27	Tumor-Repopulating Cells Induce PD-1 Expression in CD8+ T Cells by Transferring Kynurenine and AhR Activation. Cancer Cell, 2018, 33, 480-494.e7.	16.8	318
28	A Pck1-directed glycogen metabolic program regulates formation and maintenance of memory CD8+ T cells. Nature Cell Biology, 2018, 20, 21-27.	10.3	130
29	Fibrin Stiffness Mediates Dormancy of Tumor-Repopulating Cells via a Cdc42-Driven Tet2 Epigenetic Program. Cancer Research, 2018, 78, 3926-3937.	0.9	74
30	Metabolic reprogramming for cancer cells and their microenvironment: Beyond the Warburg Effect. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1870, 51-66.	7.4	241
31	STAT3/p53 pathway activation disrupts IFN-Î²â€“induced dormancy in tumor-repopulating cells. Journal of Clinical Investigation, 2018, 128, 1057-1073.	8.2	86
32	Mechanisms by Which Dendritic Cells Present Tumor Microparticle Antigens to CD8+ T Cells. Cancer Immunology Research, 2018, 6, 1057-1068.	3.4	49
33	Circulating Tumor Microparticles Promote Lung Metastasis by Reprogramming Inflammatory and Mechanical Niches via a Macrophage-Dependent Pathway. Cancer Immunology Research, 2018, 6, 1046-1056.	3.4	47
34	Autosomal dominant retinitis pigmentosa-associated gene PRPF8 is essential for hypoxia-induced mitophagy through regulating ULK1 mRNA splicing. Autophagy, 2018, 14, 1818-1830.	9.1	35
35	Microparticles mediate human papillomavirus type 6 or 11 infection of human macrophages. Cellular and Molecular Immunology, 2017, 14, 395-397.	10.5	6
36	Oral delivery of tumor microparticle vaccines activates NOD2 signaling pathway in ileac epithelium rendering potent antitumor T cell immunity. OncoImmunology, 2017, 6, e1282589.	4.6	27

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37	Blockade of IDO-kynurenine-AhR metabolic circuitry abrogates IFN-Î³-induced immunologic dormancy of tumor-repopulating cells. Nature Communications, 2017, 8, 15207.	12.8	147
38	Bioluminescence Sensing of Î³-Glutamyltranspeptidase Activity In Vitro and In Vivo. Analytical Chemistry, 2017, 89, 7017-7021.	6.5	48
39	CUE domainâ€containing protein 2 promotes the Warburg effect and tumorigenesis. EMBO Reports, 2017, 18, 809-825.	4.5	22
40	Chemotherapeutic tumor microparticles combining low-dose irradiation reprogram tumor-promoting macrophages through a tumor-repopulating cell-curtailing pathway. OncoImmunology, 2017, 6, e1309487.	4.6	30
41	Polo-like kinase 1 coordinates biosynthesis during cell cycle progression by directly activating pentose phosphate pathway. Nature Communications, 2017, 8, 1506.	12.8	100
42	Pre-instillation of tumor microparticles enhances intravesical chemotherapy of nonmuscle-invasive bladder cancer through a lysosomal pathway. Biomaterials, 2017, 113, 93-104.	11.4	31
43	CDC5L drives FAH expression to promote metabolic reprogramming in melanoma. Oncotarget, 2017, 8, 114328-114343.	1.8	3
44	Hydrazide d-luciferin for in vitro selective detection and intratumoral imaging of Cu2+. Biosensors and Bioelectronics, 2016, 83, 200-204.	10.1	34
45	Reversing drug resistance of soft tumor-repopulating cells by tumor cell-derived chemotherapeutic microparticles. Cell Research, 2016, 26, 713-727.	12.0	183
46	Efficient extravasation of tumor-repopulating cells depends on cell deformability. Scientific Reports, 2016, 6, 19304.	3.3	46
47	Intracellular Self-Assembly of Cyclic <scp>d</scp>-Luciferin Nanoparticles for Persistent Bioluminescence Imaging of Fatty Acid Amide Hydrolase. ACS Nano, 2016, 10, 7147-7153.	14.6	48
48	Tumor cell-derived microparticles polarize M2 tumor-associated macrophages for tumor progression. OncoImmunology, 2016, 5, e1118599.	4.6	85
49	Delivery of oncolytic adenovirus into the nucleus of tumorigenic cells by tumor microparticles for virotherapy. Biomaterials, 2016, 89, 56-66.	11.4	83
50	Reprogramming of glucose, fatty acid and amino acid metabolism for cancer progression. Cellular and Molecular Life Sciences, 2016, 73, 377-392.	5.4	473
51	Artemin is hypoxia responsive and promotes oncogenicity and increased tumor initiating capacity in hepatocellular carcinoma. Oncotarget, 2016, 7, 3267-3282.	1.8	25
52	Brief Report: Human Mesenchymal Stem-Like Cells Facilitate Floating Tumorigenic Cell Growth via Glutamine-Ammonium Cycle. Stem Cells, 2015, 33, 2877-2884.	3.2	6
53	Intracellular Selfâ€Assembly of Taxol Nanoparticles for Overcoming Multidrug Resistance. Angewandte Chemie - International Edition, 2015, 54, 9700-9704.	13.8	184
54	HIF-1 suppresses lipid catabolism to promote cancer progression. Molecular and Cellular Oncology, 2015, 2, e980184.	0.7	21

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55	Cell-free Tumor Microparticle Vaccines Stimulate Dendritic Cells via cGAS/STING Signaling. Cancer Immunology Research, 2015, 3, 196-205.	3.4	104
56	miRâ€290/371â€Mbd2â€Myc circuit regulates glycolytic metabolism to promote pluripotency. EMBO Journal, 2015, 34, 609-623.	7.8	82
57	Upregulation of Cytosolic Phosphoenolpyruvate Carboxykinase Is a Critical Metabolic Event in Melanoma Cells That Repopulate Tumors. Cancer Research, 2015, 75, 1191-1196.	0.9	69
58	Lipid mediator lipoxin A4 inhibits tumor growth by targeting IL-10-producing regulatory B (Breg) cells. Cancer Letters, 2015, 364, 118-124.	7.2	55
59	Tumor cell-derived microparticles: a new form of cancer vaccine. OncoImmunology, 2015, 4, e1017704.	4.6	23
60	Soft fibrin gels promote selection and growth of tumorigenic cells. Nature Materials, 2012, 11, 734-741.	27.5	384