

Siyuan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

5,019
citations

230014

27
h-index

206121

51
g-index

65
all docs

65
docs citations

65
times ranked

9796
citing authors

#	ARTICLE	IF	CITATIONS
1	Microenvironment-induced PTEN loss by exosomal microRNA primes brain metastasis outgrowth. <i>Nature</i> , 2015, 527, 100-104.	13.7	966
2	Combating trastuzumab resistance by targeting SRC, a common node downstream of multiple resistance pathways. <i>Nature Medicine</i> , 2011, 17, 461-469.	15.2	466
3	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. <i>Cancer Letters</i> , 2004, 208, 143-153.	3.2	440
4	Anti-Cancer Potential of Sesquiterpene Lactones: Bioactivity and Molecular Mechanisms. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2005, 5, 239-249.	7.0	309
5	PTEN, PIK3CA, p-AKT, and p-p70S6K Status. <i>American Journal of Pathology</i> , 2010, 177, 1647-1656.	1.9	276
6	Targeting Src family kinases in anti-cancer therapies: turning promise into triumph. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 122-128.	4.0	254
7	PI(3)K Apart PTEN's Role in Cancer. <i>Clinical Cancer Research</i> , 2010, 16, 4325-4330.	3.2	221
8	Phase I/II Study of Trastuzumab in Combination With Everolimus (RAD001) in Patients With HER2-Overexpressing Metastatic Breast Cancer Who Progressed on Trastuzumab-Based Therapy. <i>Journal of Clinical Oncology</i> , 2011, 29, 3126-3132.	0.8	207
9	The glutathione peroxidase Gpx4 prevents lipid peroxidation and ferroptosis to sustain Treg cell activation and suppression of antitumor immunity. <i>Cell Reports</i> , 2021, 35, 109235.	2.9	187
10	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2006, 72, 132-144.	2.0	153
11	Selective glutamine metabolism inhibition in tumor cells improves antitumor T lymphocyte activity in triple-negative breast cancer. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	144
12	Src Family Kinases as Novel Therapeutic Targets to Treat Breast Cancer Brain Metastases. <i>Cancer Research</i> , 2013, 73, 5764-5774.	0.4	108
13	Suppressed NF- κ B and sustained JNK activation contribute to the sensitization effect of parthenolide to TNF- α -induced apoptosis in human cancer cells. <i>Carcinogenesis</i> , 2004, 25, 2191-2199.	1.3	99
14	c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. <i>Cell Death and Differentiation</i> , 2007, 14, 1001-1010.	5.0	90
15	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10. <i>Cell</i> , 2020, 183, 1234-1248.e25.	13.5	79
16	A Poisson-Gaussian Denoising Dataset With Real Fluorescence Microscopy Images. , 2019, , .		78
17	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. <i>Cancer Letters</i> , 2004, 211, 175-188.	3.2	77
18	Stromal cell-laden 3D hydrogel microwell arrays as tumor microenvironment model for studying stiffness dependent stromal cell-cancer interactions. <i>Biomaterials</i> , 2018, 170, 37-48.	5.7	77

#	ARTICLE	IF	CITATIONS
19	3D hydrogel-based microwell arrays as a tumor microenvironment model to study breast cancer growth. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025009.	1.7	62
20	Oncogenic Ras differentially regulates metabolism and anoikis in extracellular matrix-detached cells. <i>Cell Death and Differentiation</i> , 2016, 23, 1271-1282.	5.0	61
21	Single-cell profiling guided combinatorial immunotherapy for fast-evolving CDK4/6 inhibitor-resistant HER2-positive breast cancer. <i>Nature Communications</i> , 2019, 10, 3817.	5.8	61
22	Evolving concepts of tumor heterogeneity. <i>Cell and Bioscience</i> , 2014, 4, 69.	2.1	59
23	Multi-modal Single-Cell Analysis Reveals Brain Immune Landscape Plasticity during Aging and Gut Microbiota Dysbiosis. <i>Cell Reports</i> , 2020, 33, 108438.	2.9	46
24	The Role of Multicellular Aggregation in the Survival of ErbB2-positive Breast Cancer Cells during Extracellular Matrix Detachment. <i>Journal of Biological Chemistry</i> , 2015, 290, 8722-8733.	1.6	39
25	Rab11b-mediated integrin recycling promotes brain metastatic adaptation and outgrowth. <i>Nature Communications</i> , 2020, 11, 3017.	5.8	38
26	Down-regulation of c-FLIP contributes to the sensitization effect of 3,3'-diindolylmethane on TRAIL-induced apoptosis in cancer cells. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1972-1981.	1.9	37
27	GAD1 Upregulation Programs Aggressive Features of Cancer Cell Metabolism in the Brain Metastatic Microenvironment. <i>Cancer Research</i> , 2017, 77, 2844-2856.	0.4	33
28	Host Wnt5a Potentiates Microenvironmental Regulation of Ovarian Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 1156-1170.	0.4	31
29	Cell surface GRP78 promotes stemness in normal and neoplastic cells. <i>Scientific Reports</i> , 2020, 10, 3474.	1.6	30
30	14-3-3 η Orchestrates Mammary Tumor Onset and Progression via miR-221-Mediated Cell Proliferation. <i>Cancer Research</i> , 2014, 74, 363-373.	0.4	28
31	Methyl-3-indolylacetate inhibits cancer cell invasion by targeting the MEK1/2-ERK1/2 signaling pathway. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 3285-3293.	1.9	22
32	Signaling pathways from membrane lipid rafts to JNK1 activation in reactive nitrogen species-induced non-apoptotic cell death. <i>Cell Death and Differentiation</i> , 2008, 15, 386-397.	5.0	22
33	Aged Breast Extracellular Matrix Drives Mammary Epithelial Cells to an Invasive and Cancer-Like Phenotype. <i>Advanced Science</i> , 2021, 8, e2100128.	5.6	19
34	Death effector domain-containing protein induces vulnerability to cell cycle inhibition in triple-negative breast cancer. <i>Nature Communications</i> , 2019, 10, 2860.	5.8	18
35	Tumor-induced Stromal STAT1 Accelerates Breast Cancer via Deregulating Tissue Homeostasis. <i>Molecular Cancer Research</i> , 2017, 15, 585-597.	1.5	17
36	A sparse differential clustering algorithm for tracing cell type changes via single-cell RNA-sequencing data. <i>Nucleic Acids Research</i> , 2018, 46, e14-e14.	6.5	17

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37	Compressed Sensing-Based Super-Resolution Ultrasound Imaging for Faster Acquisition and High Quality Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3317-3326.	2.5	15
38	An Integrative Platform for Three-dimensional Quantitative Analysis of Spatially Heterogeneous Metastasis Landscapes. <i>Scientific Reports</i> , 2016, 6, 24201.	1.6	13
39	3D Segmentation of Glial Cells Using Fully Convolutional Networks and k-Terminal Cut. <i>Lecture Notes in Computer Science</i> , 2016, , 658-666.	1.0	13
40	Selective inhibition of mTORC1 in tumor vessels increases antitumor immunity. <i>JCI Insight</i> , 2020, 5, .	2.3	12
41	Combined Scaffold Evaluation and Systems-Level Transcriptome-Based Analysis for Accelerated Lead Optimization Reveals Ribosomal Targeting Spirooxindole Cyclopropanes. <i>ChemMedChem</i> , 2019, 14, 1653-1661.	1.6	11
42	Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	11
43	In vivo selection of highly metastatic human ovarian cancer sublines reveals role for AMIGO2 in intra-peritoneal metastatic regulation. <i>Cancer Letters</i> , 2021, 503, 163-173.	3.2	11
44	Isolation of mouse brain-infiltrating leukocytes for single cell profiling of epitopes and transcriptomes. <i>STAR Protocols</i> , 2021, 2, 100537.	0.5	11
45	Phase I/II Study of Trastuzumab in Combination With Everolimus (RAD001) in Patients With HER2-Overexpressing Metastatic Breast Cancer Who Progressed on Trastuzumab-Based Therapy. <i>Journal of Clinical Oncology</i> , 2011, 29, 3126-3132.	0.8	10
46	A journey to uncharted territory: new technical frontiers in studying tumor-stromal cell interactions. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 153-161.	0.6	9
47	Engineering bioactive nanoparticles to rejuvenate vascular progenitor cells. <i>Communications Biology</i> , 2022, 5, .	2.0	7
48	Fast Background Removal in 3D Fluorescence Microscopy Images Using One-Class Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 292-299.	1.0	4
49	Multiplexed Ultrasound Imaging Using Spectral Analysis on Gas Vesicles. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	4
50	ErbB4 Signaling: an overlooked backup system?. <i>Cell Cycle</i> , 2015, 14, 1623-1623.	1.3	3
51	On-chip three-dimensional tissue histology for microbiopsies. <i>Biomicrofluidics</i> , 2016, 10, .	1.2	3
52	Three-dimensional deep tissue multiphoton frequency-domain fluorescence lifetime imaging microscopy via phase multiplexing and adaptive optics. , 2019, , .		3
53	Targeting the EGFR family of receptor tyrosine kinases. , 0, , 843-853.		0