

Siyuan Zhang

List of Publications by Year in descending order

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53
papers

5,019
citations

201674

27
h-index

182427

51
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65
all docs

65
docs citations

65
times ranked

8937
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering bioactive nanoparticles to rejuvenate vascular progenitor cells. <i>Communications Biology</i> , 2022, 5, .	4.4	7
2	Multiplexed Ultrasound Imaging Using Spectral Analysis on Gas Vesicles. <i>Advanced Healthcare Materials</i> , 2022, 11, .	7.6	4
3	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.	4.2	15
4	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, .	8.2	144
5	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.	7.2	11
6	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.	6.4	187
7	Isolation of mouse brain-infiltrating leukocytes for single cell profiling of epitopes and transcriptomes. <i>STAR Protocols</i> , 2021, 2, 100537.	1.2	11
8	Aged Breast Extracellular Matrix Drives Mammary Epithelial Cells to an Invasive and Cancer-like Phenotype. <i>Advanced Science</i> , 2021, 8, e2100128.	11.2	19
9	Multi-modal Single-Cell Analysis Reveals Brain Immune Landscape Plasticity during Aging and Gut Microbiota Dysbiosis. <i>Cell Reports</i> , 2020, 33, 108438.	6.4	46
10	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10. <i>Cell</i> , 2020, 183, 1234-1248.e25.	28.9	79
11	Rab11b-mediated integrin recycling promotes brain metastatic adaptation and outgrowth. <i>Nature Communications</i> , 2020, 11, 3017.	12.8	38
12	Cell surface GRP78 promotes stemness in normal and neoplastic cells. <i>Scientific Reports</i> , 2020, 10, 3474.	3.3	30
13	Host Wnt5a Potentiates Microenvironmental Regulation of Ovarian Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 1156-1170.	0.9	31
14	Selective inhibition of mTORC1 in tumor vessels increases antitumor immunity. <i>JCI Insight</i> , 2020, 5, .	5.0	12
15	Single-cell profiling guided combinatorial immunotherapy for fast-evolving CDK4/6 inhibitor-resistant HER2-positive breast cancer. <i>Nature Communications</i> , 2019, 10, 3817.	12.8	61
16	Death effector domain-containing protein induces vulnerability to cell cycle inhibition in triple-negative breast cancer. <i>Nature Communications</i> , 2019, 10, 2860.	12.8	18
17	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.	3.2	11
18	Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	11

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19	A Poisson-Gaussian Denoising Dataset With Real Fluorescence Microscopy Images. , 2019, , .		78
20	Three-dimensional deep tissue multiphoton frequency-domain fluorescence lifetime imaging microscopy via phase multiplexing and adaptive optics. , 2019, , .		3
21	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.	11.4	77
22	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.	14.5	17
23	Tumor-induced Stromal STAT1 Accelerates Breast Cancer via Deregulating Tissue Homeostasis. <i>Molecular Cancer Research</i> , 2017, 15, 585-597.	3.4	17
24	3D hydrogel-based microwell arrays as a tumor microenvironment model to study breast cancer growth. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025009.	3.3	62
25	GAD1 Upregulation Programs Aggressive Features of Cancer Cell Metabolism in the Brain Metastatic Microenvironment. <i>Cancer Research</i> , 2017, 77, 2844-2856.	0.9	33
26	An Integrative Platform for Three-dimensional Quantitative Analysis of Spatially Heterogeneous Metastasis Landscapes. <i>Scientific Reports</i> , 2016, 6, 24201.	3.3	13
27	On-chip three-dimensional tissue histology for microbiopsies. <i>Biomicrofluidics</i> , 2016, 10, .	2.4	3
28	Oncogenic Ras differentially regulates metabolism and anoikis in extracellular matrix-detached cells. <i>Cell Death and Differentiation</i> , 2016, 23, 1271-1282.	11.2	61
29	3D Segmentation of Glial Cells Using Fully Convolutional Networks and k-Terminal Cut. <i>Lecture Notes in Computer Science</i> , 2016, , 658-666.	1.3	13
30	ErbB4 Signaling: an overlooked backup system?. <i>Cell Cycle</i> , 2015, 14, 1623-1623.	2.6	3
31	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.	3.4	39
32	Microenvironment-induced PTEN loss by exosomal microRNA primes brain metastasis outgrowth. <i>Nature</i> , 2015, 527, 100-104.	27.8	966
33	A journey to uncharted territory: new technical frontiers in studying tumorâ€‘stromal cell interactions. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 153-161.	1.3	9
34	Fast Background Removal in 3D Fluorescence Microscopy Images Using One-Class Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 292-299.	1.3	4
35	Evolving concepts of tumor heterogeneity. <i>Cell and Bioscience</i> , 2014, 4, 69.	4.8	59
36	14-3-3 β Orchestrates Mammary Tumor Onset and Progression via miR-221â€‘Mediated Cell Proliferation. <i>Cancer Research</i> , 2014, 74, 363-373.	0.9	28

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37	Src Family Kinases as Novel Therapeutic Targets to Treat Breast Cancer Brain Metastases. <i>Cancer Research</i> , 2013, 73, 5764-5774.	0.9	108
38	Targeting Src family kinases in anti-cancer therapies: turning promise into triumph. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 122-128.	8.7	254
39	Combating trastuzumab resistance by targeting SRC, a common node downstream of multiple resistance pathways. <i>Nature Medicine</i> , 2011, 17, 461-469.	30.7	466
40	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.	1.6	207
41	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.	1.6	10
42	PI(3)K/Akt/mTOR Signaling in Cancer. <i>Clinical Cancer Research</i> , 2010, 16, 4325-4330.	7.0	221
43	PTEN, PIK3CA, p-AKT, and p-p70S6K Status. <i>American Journal of Pathology</i> , 2010, 177, 1647-1656.	3.8	276
44	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.	11.2	22
45	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.	11.2	90
46	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.	4.4	153
47	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.	4.1	22
48	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
49	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.	4.1	37
50	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.	2.8	99
51	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. <i>Cancer Letters</i> , 2004, 208, 143-153.	7.2	440
52	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. <i>Cancer Letters</i> , 2004, 211, 175-188.	7.2	77
53	Targeting the EGFR family of receptor tyrosine kinases. , 0, , 843-853.		0