# Siyuan Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7617225/publications.pdf

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| 53 | 5,019 | 230014 | 206121 |
|---|---|---|---|
| papers | citations | 27 h-index | 51 g-index |

| 65 | 65 | 65 | 9796 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Engineering bioactive nanoparticles to rejuvenate vascular progenitor cells. Communications Biology, 2022, 5, . | 2.0 | 7 |
| 2 | Multiplexed Ultrasound Imaging Using Spectral Analysis on Gas Vesicles. Advanced Healthcare Materials, 2022, 11, . | 3.9 | 4 |
| 3 | Compressed Sensing-Based Super-Resolution Ultrasound Imaging for Faster Acquisition and High Quality Images. IEEE Transactions on Biomedical Engineering, 2021, 68, 3317-3326. | 2.5 | 15 |
| 4 | Selective glutamine metabolism inhibition in tumor cells improves antitumor T lymphocyte activity in triple-negative breast cancer. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 144 |
| 5 | In vivo selection of highly metastatic human ovarian cancer sublines reveals role for AMIGO2 in intra-peritoneal metastatic regulation. Cancer Letters, 2021, 503, 163-173. | 3.2 | 11 |
| 6 | The glutathione peroxidase Gpx4 prevents lipid peroxidation and ferroptosis to sustain Treg cell activation and suppression of antitumor immunity. Cell Reports, 2021, 35, 109235. | 2.9 | 187 |
| 7 | Isolation of mouse brain-infiltrating leukocytes for single cell profiling of epitopes and transcriptomes. STAR Protocols, 2021, 2, 100537. | 0.5 | 11 |
| 8 | Aged Breast Extracellular Matrix Drives Mammary Epithelial Cells to an Invasive and Cancerâ€Like Phenotype. Advanced Science, 2021, 8, e2100128. | 5.6 | 19 |
| 9 | Multi-modal Single-Cell Analysis Reveals Brain Immune Landscape Plasticity during Aging and Gut Microbiota Dysbiosis. Cell Reports, 2020, 33, 108438. | 2.9 | 46 |
| 10 | CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10. Cell, 2020, 183, 1234-1248.e25. | 13.5 | 79 |
| 11 | Rab11b-mediated integrin recycling promotes brain metastatic adaptation and outgrowth. Nature Communications, 2020, 11, 3017. | 5.8 | 38 |
| 12 | Cell surface GRP78 promotes stemness in normal and neoplastic cells. Scientific Reports, 2020, 10, 3474. | 1.6 | 30 |
| 13 | Host Wnt5a Potentiates Microenvironmental Regulation of Ovarian Cancer Metastasis. Cancer Research, 2020, 80, 1156-1170. | 0.4 | 31 |
| 14 | Selective inhibition of mTORC1 in tumor vessels increases antitumor immunity. JCI Insight, 2020, 5, . | 2.3 | 12 |
| 15 | Single-cell profiling guided combinatorial immunotherapy for fast-evolving CDK4/6 inhibitor-resistant HER2-positive breast cancer. Nature Communications, 2019, 10, 3817. | 5.8 | 61 |
| 16 | Death effector domain-containing protein induces vulnerability to cell cycle inhibition in triple-negative breast cancer. Nature Communications, 2019, 10, 2860. | 5.8 | 18 |
| 17 | Combined Scaffold Evaluation and Systemsâ€Level Transcriptomeâ€Based Analysis for Accelerated Lead Optimization Reveals Ribosomal Targeting Spirooxindole Cyclopropanes. ChemMedChem, 2019, 14, 1653-1661. | 1.6 | 11 |
| 18 | Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons. Development (Cambridge), 2019, 146, . | 1.2 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. Biomaterials, 2018, 170, 37-48. | 5.7 | 77 |
| 22 | A sparse differential clustering algorithm for tracing cell type changes via single-cell RNA-sequencing data. Nucleic Acids Research, 2018, 46, e14-e14. | 6.5 | 17 |
| 23 | Tumor-induced Stromal STAT1 Accelerates Breast Cancer via Deregulating Tissue Homeostasis. Molecular Cancer Research, 2017, 15, 585-597. | 1.5 | 17 |
| 24 | 3D hydrogel-based microwell arrays as a tumor microenvironment model to study breast cancer growth. Biomedical Materials (Bristol), 2017, 12, 025009. | 1.7 | 62 |
| 25 | GAD1 Upregulation Programs Aggressive Features of Cancer Cell Metabolism in the Brain Metastatic Microenvironment. Cancer Research, 2017, 77, 2844-2856. | 0.4 | 33 |
| 26 | An Integrative Platform for Three-dimensional Quantitative Analysis of Spatially Heterogeneous Metastasis Landscapes. Scientific Reports, 2016, 6, 24201. | 1.6 | 13 |
| 27 | On-chip three-dimensional tissue histology for microbiopsies. Biomicrofluidics, 2016, 10, . | 1.2 | 3 |
| 28 | Oncogenic Ras differentially regulates metabolism and anoikis in extracellular matrix-detached cells. Cell Death and Differentiation, 2016, 23, 1271-1282. | 5.0 | 61 |
| 29 | 3D Segmentation of Glial Cells Using Fully Convolutional Networks and k-Terminal Cut. Lecture Notes in Computer Science, 2016, , 658-666. | 1.0 | 13 |
| 30 | Erbb4 Signaling: an overlooked backup system?. Cell Cycle, 2015, 14, 1623-1623. | 1.3 | 3 |
| 31 | The Role of Multicellular Aggregation in the Survival of ErbB2-positive Breast Cancer Cells during Extracellular Matrix Detachment. Journal of Biological Chemistry, 2015, 290, 8722-8733. | 1.6 | 39 |
| 32 | Microenvironment-induced PTEN loss by exosomal microRNA primes brain metastasis outgrowth. Nature, 2015, 527, 100-104. | 13.7 | 966 |
| 33 | A journey to uncharted territory: new technical frontiers in studying tumorâ€“stromal cell interactions. Integrative Biology (United Kingdom), 2015, 7, 153-161. | 0.6 | 9 |
| 34 | Fast Background Removal in 3D Fluorescence Microscopy Images Using One-Class Learning. Lecture Notes in Computer Science, 2015, , 292-299. | 1.0 | 4 |
| 35 | Evolving concepts of tumor heterogeneity. Cell and Bioscience, 2014, 4, 69. | 2.1 | 59 |
| 36 | 14-3-3Î¶ Orchestrates Mammary Tumor Onset and Progression via miR-221â€“Mediated Cell Proliferation. Cancer Research, 2014, 74, 363-373. | 0.4 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Src Family Kinases as Novel Therapeutic Targets to Treat Breast Cancer Brain Metastases. Cancer Research, 2013, 73, 5764-5774. | 0.4 | 108 |
| 38 | Targeting Src family kinases in anti-cancer therapies: turning promise into triumph. Trends in Pharmacological Sciences, 2012, 33, 122-128. | 4.0 | 254 |
| 39 | Combating trastuzumab resistance by targeting SRC, a common node downstream of multiple resistance pathways. Nature Medicine, 2011, 17, 461-469. | 15.2 | 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. Journal of Clinical Oncology, 2011, 29, 3126-3132. | 0.8 | 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. Journal of Clinical Oncology, 2011, 29, 3126-3132. | 0.8 | 10 |
| 42 | PI(3)King Apart PTEN's Role in Cancer. Clinical Cancer Research, 2010, 16, 4325-4330. | 3.2 | 221 |
| 43 | PTEN, PIK3CA, p-AKT, and p-p70S6K Status. American Journal of Pathology, 2010, 177, 1647-1656. | 1.9 | 276 |
| 44 | Signaling pathways from membrane lipid rafts to JNK1 activation in reactive nitrogen species-induced non-apoptotic cell death. Cell Death and Differentiation, 2008, 15, 386-397. | 5.0 | 22 |
| 45 | c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. Cell Death and Differentiation, 2007, 14, 1001-1010. | 5.0 | 90 |
| 46 | Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. Biochemical Pharmacology, 2006, 72, 132-144. | 2.0 | 153 |
| 47 | Methyl-3-indolylacetate inhibits cancer cell invasion by targeting the MEK1/2-ERK1/2 signaling pathway. Molecular Cancer Therapeutics, 2006, 5, 3285-3293. | 1.9 | 22 |
| 48 | Anti-Cancer Potential of Sesquiterpene Lactones: Bioactivity and Molecular Mechanisms. Anti-Cancer Agents in Medicinal Chemistry, 2005, 5, 239-249. | 7.0 | 309 |
| 49 | Down-regulation of c-FLIP contributes to the sensitization effect of 3,3â€²-diindolylmethane on TRAIL-induced apoptosis in cancer cells. Molecular Cancer Therapeutics, 2005, 4, 1972-1981. | 1.9 | 37 |
| 50 | Suppressed NF-ÂB and sustained JNK activation contribute to the sensitization effect of parthenolide to TNF-Â-induced apoptosis in human cancer cells. Carcinogenesis, 2004, 25, 2191-2199. | 1.3 | 99 |
| 51 | Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. Cancer Letters, 2004, 208, 143-153. | 3.2 | 440 |
| 52 | Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. Cancer Letters, 2004, 211, 175-188. | 3.2 | 77 |
| 53 | Targeting the EGFR family of receptor tyrosine kinases. , 0, , 843-853. | | 0 |