

Zhi Sheng

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,501
citations

361296

20
h-index

315616

38
g-index

61
all docs

61
docs citations

61
times ranked

4852
citing authors

#	ARTICLE	IF	CITATIONS
1	A genome-wide RNA interference screen reveals an essential CREB3L2-ATF5-MCL1 survival pathway in malignant glioma with therapeutic implications. <i>Nature Medicine</i> , 2010, 16, 671-677.	15.2	144
2	A rapid and high content assay that measures cyto-ID-stained autophagic compartments and estimates autophagy flux with potential clinical applications. <i>Autophagy</i> , 2015, 11, 560-572.	4.3	121
3	Connexin 43 Inhibition Sensitizes Chemoresistant Glioblastoma Cells to Temozolomide. <i>Cancer Research</i> , 2016, 76, 139-149.	0.4	120
4	BCR-ABL suppresses autophagy through ATF5-mediated regulation of mTOR transcription. <i>Blood</i> , 2011, 118, 2840-2848.	0.6	110
5	A therapeutically targetable mechanism of BCR-ABL-independent imatinib resistance in chronic myeloid leukemia. <i>Science Translational Medicine</i> , 2014, 6, 252ra121.	5.8	105
6	A New Interleukin-13 Amino-Coated Gadolinium Metallofullerene Nanoparticle for Targeted MRI Detection of Glioblastoma Tumor Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 7881-7888.	6.6	76
7	The Blk pathway functions as a tumor suppressor in chronic myeloid leukemia stem cells. <i>Nature Genetics</i> , 2012, 44, 861-871.	9.4	69
8	Nuclear and Nucleolar Localization of 18-kDa Fibroblast Growth Factor-2 Is Controlled by C-terminal Signals. <i>Journal of Biological Chemistry</i> , 2004, 279, 40153-40160.	1.6	66
9	Real-Time Visualization of Nanoparticles Interacting with Glioblastoma Stem Cells. <i>Nano Letters</i> , 2015, 15, 2329-2335.	4.5	52
10	Novel approach to temozolomide resistance in malignant glioma: connexin43-directed therapeutics. <i>Current Opinion in Pharmacology</i> , 2018, 41, 79-88.	1.7	50
11	Survival kinase genes present prognostic significance in glioblastoma. <i>Oncotarget</i> , 2016, 7, 20140-20151.	0.8	48
12	PIK3CB/p110 β is a selective survival factor for glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 494-505.	0.6	43
13	A Phase I Study of the Combination of Sorafenib With Temozolomide and Radiation Therapy for the Treatment of Primary and Recurrent High-Grade Gliomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 321-328.	0.4	41
14	Transcription and signalling pathways involved in BCR-ABL-mediated misregulation of 24p3 and 24p3R. <i>EMBO Journal</i> , 2009, 28, 866-876.	3.5	37
15	Direct Regulation of rRNA Transcription by Fibroblast Growth Factor 2. <i>Molecular and Cellular Biology</i> , 2005, 25, 9419-9426.	1.1	36
16	Development of PLGA nanoparticles for sustained release of a connexin43 mimetic peptide to target glioblastoma cells. <i>Materials Science and Engineering C</i> , 2020, 108, 110191.	3.8	34
17	Patient-derived glioblastoma stem cells respond differentially to targeted therapies. <i>Oncotarget</i> , 2016, 7, 86406-86419.	0.8	31
18	hnRNP A1 contacts exon 5 to promote exon 6 inclusion of apoptotic Fas gene. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 825-835.	2.2	27

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19	Exon 9 skipping of apoptotic caspase-2 pre-mRNA is promoted by SRSF3 through interaction with exon 8. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 25-32.	0.9	25
20	Casein Kinase 1 Epsilon Regulates Glioblastoma Cell Survival. <i>Scientific Reports</i> , 2018, 8, 13621.	1.6	24
21	PKC Pathways Mediate BCR-ABL-Independent Imatinib Resistance in Chronic Myeloid Leukemia. <i>Blood</i> , 2014, 124, 1790-1790.	0.6	21
22	Expression and purification of a biologically active basic fibroblast growth factor fusion protein. <i>Protein Expression and Purification</i> , 2003, 27, 267-271.	0.6	20
23	An Activating Transcription Factor 5-Mediated Survival Pathway as a Target for Cancer Therapy. <i>Oncotarget</i> , 2010, 1, 457-460.	0.8	19
24	The Role of Class IA Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunits in Glioblastoma. <i>Frontiers in Oncology</i> , 2017, 7, 312.	1.3	17
25	An integrated approach to biomarker discovery reveals gene signatures highly predictive of cancer progression. <i>Scientific Reports</i> , 2020, 10, 21246.	1.6	17
26	Structural analysis of BRCA1 reveals modification hotspot. <i>Science Advances</i> , 2017, 3, e1701386.	4.7	15
27	An activating transcription factor 5-mediated survival pathway as a target for cancer therapy?. <i>Oncotarget</i> , 2010, 1, 457-60.	0.8	14
28	A Molecular Toolkit to Visualize Native Protein Assemblies in the Context of Human Disease. <i>Scientific Reports</i> , 2015, 5, 14440.	1.6	13
29	A large-scale RNA interference screen identifies genes that regulate autophagy at different stages. <i>Scientific Reports</i> , 2018, 8, 2822.	1.6	12
30	Connexin 43 confers chemoresistance through activating PI3K. <i>Oncogenesis</i> , 2022, 11, 2.	2.1	11
31	A Tunable Approach to Visualize BRCA1 Assemblies in Hereditary Breast Cancer. <i>Microscopy and Microanalysis</i> , 2015, 21, 557-558.	0.2	10
32	A microchip platform for structural oncology applications. <i>Npj Breast Cancer</i> , 2016, 2, .	2.3	10
33	Functional Blockade of Small GTPase RAN Inhibits Glioblastoma Cell Viability. <i>Frontiers in Oncology</i> , 2018, 8, 662.	1.3	9
34	Microchip-Based Structure Determination of Disease-Relevant p53. <i>Analytical Chemistry</i> , 2020, 92, 15558-15564.	3.2	9
35	Detecting Autophagy and Autophagy Flux in Chronic Myeloid Leukemia Cells Using a Cyto-ID Fluorescence Spectrophotometric Assay. <i>Methods in Molecular Biology</i> , 2016, 1465, 95-109.	0.4	8
36	High-Resolution Imaging of Human Cancer Proteins Using Microprocessor Materials. <i>ChemBioChem</i> , 2022, 23, .	1.3	8

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37	Molecular Analysis of BRCA1 in Human Breast Cancer Cells Under Oxidative Stress. <i>Scientific Reports</i> , 2017, 7, 43435.	1.6	7
38	Cryo-EM On-Chip: Custom-Designed Substrates for the 3D Analysis of Macromolecules. <i>Small</i> , 2019, 15, 1900918.	5.2	5
39	A Diphtheria Toxin Negative Selection in RNA Interference Screening. <i>Methods in Molecular Biology</i> , 2014, 1176, 59-72.	0.4	4
40	Correcting errors in the BRCA1 warning system. <i>DNA Repair</i> , 2019, 73, 120-128.	1.3	3
41	Connexin 43 peptidic medicine for glioblastoma stem cells. <i>EBioMedicine</i> , 2021, 64, 103205.	2.7	3
42	Tunable Substrates Improve Imaging of Viruses and Cancer Proteins. <i>Microscopy Today</i> , 2017, 25, 22-27.	0.2	2
43	Abstract 4765: Targeting glioblastoma cancer stem cells with a novel Connexin43 mimetic peptide. , 2017, , .		1
44	Abstract 3862: Isolation and nanoscale visualization of glioblastoma stem-like cells utilizing the Notch1 receptor. , 2014, , .		1
45	Abstract A04: LINC00467 regulates the autophagy signaling pathway STK11/AMPK. , 2016, , .		1
46	Abstract 4284: Targeting notch signaling in glioblastoma cancer stem cells through modulation of Connexin43 function. <i>Cancer Research</i> , 2019, 79, 4284-4284.	0.4	1
47	In situ TEM imaging of Nanoparticles interacting with Glioblastoma Stem Cells. <i>Microscopy and Microanalysis</i> , 2015, 21, 1297-1298.	0.2	0
48	Structural Oncology - Determining 3D Structures of Breast Cancer Assemblies. <i>Microscopy and Microanalysis</i> , 2016, 22, 1120-1121.	0.2	0
49	TMOD-35. THERAPEUTIC APPLICATIONS OF A THREE-DIMENSIONAL ORGANOID CULTURE SYSTEM DERIVED FROM GLIOBLASTOMA STEM CELLS. <i>Neuro-Oncology</i> , 2017, 19, vi261-vi261.	0.6	0
50	226 PIK3CB/p1102 is a Selective Survival Factor for Glioblastoma. <i>Neurosurgery</i> , 2017, 64, 262.	0.6	0
51	Abstract 1671: A genome-wide RNA interference screen identifies autophagy mediators with therapeutic implications in chronic myeloid leukemia.. , 2013, , .		0
52	Abstract B21: A long noncoding RNA LINC00467 regulates autophagy in cancer. , 2016, , .		0
53	Abstract 145: PIK3CB inhibitors selectively block the survival of glioblastoma cells. , 2017, , .		0
54	Abstract 336: PIK3CB/p110B is a survival factor in glioblastoma. , 2017, , .		0

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55	Using PIK3CB and connexin-43 inhibition to sensitize pediatric glioblastoma cells to temozolomide.. Journal of Clinical Oncology, 2019, 37, e13572-e13572.	0.8	0
56	Abstract 1787: Selective activation of a PI3K catalytic isoform by G protein-coupled receptors in glioblastoma. , 2019, , .		0
57	A novel glioblastoma prognostic assay using droplet digital polymerase chain reaction.. Journal of Clinical Oncology, 2022, 40, e14026-e14026.	0.8	0