

Bo Liu

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

3,187
citations

159585

30
h-index

155660

55
g-index

56
all docs

56
docs citations

56
times ranked

4059
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-target inhibitors of bromodomain-containing protein 4 (BRD4) in cancer therapy: Current situation and future directions. <i>Drug Discovery Today</i> , 2022, 27, 246-256.	6.4	17
2	Repurposing non-oncology small-molecule drugs to improve cancer therapy: Current situation and future directions. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 532-557.	12.0	26
3	Dual-target inhibitors of bromodomain and extra-terminal proteins in cancer: A review from medicinal chemistry perspectives. <i>Medicinal Research Reviews</i> , 2022, 42, 710-743.	10.5	27
4	Targeting regulated cell death (RCD) with small-molecule compounds in cancer therapy: A revisited review of apoptosis, autophagy-dependent cell death and necroptosis. <i>Drug Discovery Today</i> , 2022, 27, 612-625.	6.4	22
5	Main active components of Si-Miao-Yong-An decoction (SMYAD) attenuate autophagy and apoptosis via the PDE5A-AKT and TLR4-NOX4 pathways in isoproterenol (ISO)-induced heart failure models. <i>Pharmacological Research</i> , 2022, 176, 106077.	7.1	29
6	Designing strategies of small-molecule compounds for modulating non-coding RNAs in cancer therapy. <i>Journal of Hematology and Oncology</i> , 2022, 15, 14.	17.0	45
7	Targeting Regulated Cell Death with Pharmacological Small Molecules: An Update on Autophagy-Dependent Cell Death, Ferroptosis, and Necroptosis in Cancer. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2989-3001.	6.4	32
8	Unraveling the Roles of Protein Kinases in Autophagy: An Update on Small-Molecule Compounds for Targeted Therapy. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5870-5885.	6.4	2
9	Repurposing small-molecule drugs for modulating toxic protein aggregates in neurodegenerative diseases. <i>Drug Discovery Today</i> , 2022, 27, 1994-2007.	6.4	15
10	Targeting regulated cell death (RCD) with small-molecule compounds in triple-negative breast cancer: a revisited perspective from molecular mechanisms to targeted therapies. <i>Journal of Hematology and Oncology</i> , 2022, 15, 44.	17.0	44
11	Autophagy and beyond: Unraveling the complexity of UNC-51-like kinase 1 (ULK1) from biological functions to therapeutic implications. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3743-3782.	12.0	21
12	Design, synthesis, and biological evaluation of quinazolin-4(3H)-one derivatives co-targeting poly(ADP-ribose) polymerase-1 and bromodomain containing protein 4 for breast cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 156-180.	12.0	49
13	Discovery of a novel small-molecule inhibitor of Fam20C that induces apoptosis and inhibits migration in triple negative breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 113088.	5.5	14
14	Targeting Atg4B for cancer therapy: Chemical mediators. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112917.	5.5	17
15	The emerging role of long noncoding RNAs in esophageal carcinoma: from underlying mechanisms to clinical implications. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3403-3422.	5.4	8
16	Targeting autophagy using small-molecule compounds to improve potential therapy of Parkinson's disease. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3015-3034.	12.0	54
17	Small-Molecule Drug Discovery in Triple Negative Breast Cancer: Current Situation and Future Directions. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 2382-2418.	6.4	61
18	Multi-omics approaches identify SF3B3 and SIRT3 as candidate autophagic regulators and druggable targets in invasive breast carcinoma. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1227-1245.	12.0	26

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19	Inhibiting Eukaryotic Elongation Factor 2 Kinase: An Update on Pharmacological Small-Molecule Compounds in Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8870-8883.	6.4	8
20	Targeting cancer epigenetic pathways with small-molecule compounds: Therapeutic efficacy and combination therapies. <i>Pharmacological Research</i> , 2021, 173, 105702.	7.1	15
21	Identification of autophagic target RAB13 with small-molecule inhibitor in low-grade glioma via integrated multi-omics approaches coupled with virtual screening of traditional Chinese medicine databases. <i>Cell Proliferation</i> , 2021, 54, e13135.	5.3	10
22	Structure-Guided Design of a Small-Molecule Activator of Sirtuin-3 that Modulates Autophagy in Triple Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14192-14216.	6.4	26
23	Discovery of Novel Dual-Target Inhibitor of Bromodomain-Containing Protein 4/Casein Kinase 2 Inducing Apoptosis and Autophagy-Associated Cell Death for Triple-Negative Breast Cancer Therapy. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 18025-18053.	6.4	19
24	Targeting autophagy-related protein kinases for potential therapeutic purpose. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 569-581.	12.0	142
25	Dual-target kinase drug design: Current strategies and future directions in cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112025.	5.5	42
26	Designing an eEF2K-Targeting PROTAC small molecule that induces apoptosis in MDA-MB-231 cells. <i>European Journal of Medicinal Chemistry</i> , 2020, 204, 112505.	5.5	17
27	Discovery of Thieno[2,3- <i>d</i>]pyrimidine-Based Hydroxamic Acid Derivatives as Bromodomain-Containing Protein 4/Histone Deacetylase Dual Inhibitors Induce Autophagic Cell Death in Colorectal Carcinoma Cells. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3678-3700.	6.4	56
28	Deciphering the Rules of in Silico Autophagy Methods for Expediting Medicinal Research. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6831-6842.	6.4	7
29	The protective effects of citrullus colocynthis on inhibiting oxidative damage and autophagy-associated cell death in Parkinson's disease. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 18-25.	5.3	6
30	Targeting Autophagy with Small-Molecule Modulators in Immune-Related Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1209, 181-203.	1.6	2
31	UNC-51-like Kinase 1: From an Autophagic Initiator to Multifunctional Drug Target. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6491-6500.	6.4	27
32	Mechanisms of autophagy and relevant small-molecule compounds for targeted cancer therapy. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1803-1826.	5.4	46
33	Small-Molecule Activator of UNC-51-Like Kinase 1 (ULK1) That Induces Cytoprotective Autophagy for Parkinson's Disease Treatment. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2776-2792.	6.4	46
34	Autophagic compound database: A resource connecting autophagy-modulating compounds, their potential targets and relevant diseases. <i>Cell Proliferation</i> , 2018, 51, e12403.	5.3	36
35	Design, synthesis and structure-activity relationship of β^2 -phenylalanine derivatives as novel eEF2K inhibitors with apoptosis-inducing mechanisms in breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 402-418.	5.5	24
36	Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer in vitro and in vivo. <i>Chemical Science</i> , 2017, 8, 2687-2701.	7.4	120

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37	A small-molecule activator induces ULK1-modulating autophagy-associated cell death in triple negative breast cancer. <i>Autophagy</i> , 2017, 13, 777-778.	9.1	37
38	Discovery of a Small-Molecule Bromodomain-Containing Protein 4 (BRD4) Inhibitor That Induces AMP-Activated Protein Kinase-Modulated Autophagy-Associated Cell Death in Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9990-10012.	6.4	103
39	Targeting Programmed Cell Death Using Small-Molecule Compounds to Improve Potential Cancer Therapy. <i>Medicinal Research Reviews</i> , 2016, 36, 983-1035.	10.5	136
40	Systems biology-based discovery of a potential Atg4B agonist (Flubendazole) that induces autophagy in breast cancer. <i>Molecular BioSystems</i> , 2015, 11, 2860-2866.	2.9	48
41	<i>Polygonatum odoratum</i> lectin induces apoptosis and autophagy via targeting EGFR-mediated Ras-Raf-MEK-ERK pathway in human MCF-7 breast cancer cells. <i>Phytomedicine</i> , 2014, 21, 1658-1665.	5.3	57
42	Deconvoluting the role of reactive oxygen species and autophagy in human diseases. <i>Free Radical Biology and Medicine</i> , 2013, 65, 402-410.	2.9	156
43	Beclin-1: Autophagic regulator and therapeutic target in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 921-924.	2.8	186
44	An integrated proteomics and bioinformatics analyses of hepatitis B virus X interacting proteins and identification of a novel interactor apoA-I. <i>Journal of Proteomics</i> , 2013, 84, 92-105.	2.4	40
45	Network-Based Identification of Novel Connections Among Apoptotic Signaling Pathways in Cancer. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 621-631.	2.9	14
46	Plant natural compounds: targeting pathways of autophagy as anti-cancer therapeutic agents. <i>Cell Proliferation</i> , 2012, 45, 466-476.	5.3	140
47	Plant lectins: Targeting programmed cell death pathways as antitumor agents. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1442-1449.	2.8	146
48	Targeting apoptotic and autophagic pathways for cancer therapeutics. <i>Cancer Letters</i> , 2011, 300, 105-114.	7.2	149
49	Mitochondrial ROS generation for regulation of autophagic pathways in cancer. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 5-8.	2.1	206
50	In silico Analysis of Molecular Mechanisms of <i>Galanthus nivalis</i> Agglutinin-Related Lectin-Induced Cancer Cell Death from Carbohydrate-Binding Motif Evolution Hypothesis. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1037-1046.	2.9	14
51	Autophagic pathways as new targets for cancer drug development. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1154-1164.	6.1	101
52	<i>Polygonatum cyrtonema</i> lectin induces murine fibrosarcoma L929 cell apoptosis and autophagy via blocking Ras-Raf and PI3K-Akt signaling pathways. <i>Biochimie</i> , 2010, 92, 1934-1938.	2.6	51
53	Induction of apoptosis by Concanavalin A and its molecular mechanisms in cancer cells. <i>Autophagy</i> , 2009, 5, 432-433.	9.1	67
54	Molecular mechanisms of <i>Polygonatum cyrtonema</i> lectin-induced apoptosis and autophagy in cancer cells. <i>Autophagy</i> , 2009, 5, 253-255.	9.1	88

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55	Polygonatum cyrtoneura lectin induces apoptosis and autophagy in human melanoma A375 cells through a mitochondria-mediated ROSâ€“p38â€“p53 pathway. <i>Cancer Letters</i> , 2009, 275, 54-60.	7.2	195
56	Antiproliferative activity and apoptosis-inducing mechanism of Concanavalin A on human melanoma A375 cells. <i>Archives of Biochemistry and Biophysics</i> , 2009, 482, 1-6.	3.0	95