

Jia-Hong Lu

List of Publications by Year in descending order

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118
papers

11,125
citations

81900

39
h-index

31849

101
g-index

122
all docs

122
docs citations

122
times ranked

20717
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	1,430
3	Berberine ameliorates β -amyloid pathology, gliosis, and cognitive impairment in an Alzheimer's disease transgenic mouse model. <i>Neurobiology of Aging</i> , 2012, 33, 2903-2919.	3.1	229
4	Selective autophagy of intracellular organelles: Recent research advances. <i>Theranostics</i> , 2021, 11, 222-256.	10.0	207
5	Isorhynchophylline, a natural alkaloid, promotes the degradation of alpha-synuclein in neuronal cells via inducing autophagy. <i>Autophagy</i> , 2012, 8, 98-108.	9.1	156
6	Balancing mTOR Signaling and Autophagy in the Treatment of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 728.	4.1	151
7	A novel curcumin analog binds to and activates TFEB in vitro and in vivo independent of MTOR inhibition. <i>Autophagy</i> , 2016, 12, 1372-1389.	9.1	141
8	Baicalein Inhibits Formation of β -Synuclein Oligomers within Living Cells and Prevents $A\beta$ Peptide Fibrillation and Oligomerisation. <i>ChemBioChem</i> , 2011, 12, 615-624.	2.6	140
9	Autophagy and Macrophage Functions: Inflammatory Response and Phagocytosis. <i>Cells</i> , 2020, 9, 70.	4.1	134
10	HMGB1 is involved in autophagy inhibition caused by SNCA/ β -synuclein overexpression. <i>Autophagy</i> , 2014, 10, 144-154.	9.1	133
11	NRBF2 regulates autophagy and prevents liver injury by modulating Atg14L-linked phosphatidylinositol-3 kinase III activity. <i>Nature Communications</i> , 2014, 5, 3920.	12.8	117
12	Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow. <i>Nature Biomedical Engineering</i> , 2022, 6, 76-93.	22.5	110
13	A small molecule transcription factor EB activator ameliorates beta-amyloid precursor protein and Tau pathology in Alzheimer's disease models. <i>Aging Cell</i> , 2020, 19, e13069.	6.7	101
14	Cystatin C as a potential therapeutic mediator against Parkinson's disease via VEGF-induced angiogenesis and enhanced neuronal autophagy in neurovascular units. <i>Cell Death and Disease</i> , 2017, 8, e2854-e2854.	6.3	99
15	Autophagy in ageing and ageing-associated diseases. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 605-611.	6.1	94
16	Ginsenoside Rb1 inhibits fibrillation and toxicity of alpha-synuclein and disaggregates preformed fibrils. <i>Neurobiology of Disease</i> , 2015, 74, 89-101.	4.4	90
17	Neuroprotective effects of Astragaloside IV in 6-hydroxydopamine-treated primary nigral cell culture. <i>Neurochemistry International</i> , 2009, 55, 414-422.	3.8	89
18	Predicting physical stability of solid dispersions by machine learning techniques. <i>Journal of Controlled Release</i> , 2019, 311-312, 16-25.	9.9	86

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19	Pharmacological enhancement of TFEB-mediated autophagy alleviated neuronal death in oxidative stress-induced Parkinson's disease models. <i>Cell Death and Disease</i> , 2020, 11, 128.	6.3	82
20	Corni Fructus: a review of chemical constituents and pharmacological activities. <i>Chinese Medicine</i> , 2018, 13, 34.	4.0	79
21	Corynoxine, a Natural Autophagy Enhancer, Promotes the Clearance of Alpha-Synuclein via Akt/mTOR Pathway. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 380-387.	4.1	78
22	Neuroprotective effects of berberine in animal models of Alzheimer's disease: a systematic review of pre-clinical studies. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 109.	3.7	78
23	Chemical characterization and immunomodulatory activity of acetylated polysaccharides from <i>Dendrobium devonianum</i> . <i>Carbohydrate Polymers</i> , 2018, 180, 238-245.	10.2	76
24	ATP13A2 facilitates HDAC6 recruitment to lysosome to promote autophagosome-lysosome fusion. <i>Journal of Cell Biology</i> , 2019, 218, 267-284.	5.2	73
25	Autophagy and Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1207, 21-51.	1.6	70
26	Autophagy modulators from traditional Chinese medicine: Mechanisms and therapeutic potentials for cancer and neurodegenerative diseases. <i>Journal of Ethnopharmacology</i> , 2016, 194, 861-876.	4.1	68
27	Autophagy protein NRBF2 has reduced expression in Alzheimer's brains and modulates memory and amyloid-beta homeostasis in mice. <i>Molecular Neurodegeneration</i> , 2019, 14, 43.	10.8	63
28	Efficacy and Safety of Acupuncture for Idiopathic Parkinson's Disease: A Systematic Review. <i>Journal of Alternative and Complementary Medicine</i> , 2008, 14, 663-671.	2.1	62
29	Quercetin in Animal Models of Alzheimer's Disease: A Systematic Review of Preclinical Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 493.	4.1	60
30	Induction of C/EBP homologous protein-mediated apoptosis and autophagy by licochalcone A in non-small cell lung cancer cells. <i>Scientific Reports</i> , 2016, 6, 26241.	3.3	57
31	NRBF2 is involved in the autophagic degradation process of APP-CTFs in Alzheimer disease models. <i>Autophagy</i> , 2017, 13, 2028-2040.	9.1	57
32	Tianma Gouteng Yin, a Traditional Chinese Medicine decoction, exerts neuroprotective effects in animal and cellular models of Parkinson's disease. <i>Scientific Reports</i> , 2015, 5, 16862.	3.3	53
33	Roles of Nitric Oxide Synthase Isoforms in Neurogenesis. <i>Molecular Neurobiology</i> , 2018, 55, 2645-2652.	4.0	53
34	Induction of reactive oxygen species-stimulated distinctive autophagy by chelerythrine in non-small cell lung cancer cells. <i>Redox Biology</i> , 2017, 12, 367-376.	9.0	52
35	Traditional Chinese medicine compounds regulate autophagy for treating neurodegenerative disease: A mechanism review. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110968.	5.6	51
36	Phosphoproteome-based kinase activity profiling reveals the critical role of MAP2K2 and PLK1 in neuronal autophagy. <i>Autophagy</i> , 2017, 13, 1969-1980.	9.1	48

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37	Pharmacological activities of dihydrotanshinone I, a natural product from <i>Salvia miltiorrhiza</i> Bunge. <i>Pharmacological Research</i> , 2019, 145, 104254.	7.1	48
38	Presenilin 1 deficiency suppresses autophagy in human neural stem cells through reducing β -secretase-independent ERK/CREB signaling. <i>Cell Death and Disease</i> , 2018, 9, 879.	6.3	47
39	PI3KC3 complex subunit NRBF2 is required for apoptotic cell clearance to restrict intestinal inflammation. <i>Autophagy</i> , 2021, 17, 1096-1111.	9.1	46
40	Systematic Review on the Efficacy and Safety of Herbal Medicines for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2008, 14, 209-223.	2.6	45
41	Corynoxine Protects Dopaminergic Neurons Through Inducing Autophagy and Diminishing Neuroinflammation in Rotenone-Induced Animal Models of Parkinson's Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 642900.	3.5	44
42	Glycyrrhetic acid induces cytoprotective autophagy via the inositol-requiring enzyme 1-c-Jun N-terminal kinase cascade in non-small cell lung cancer cells. <i>Oncotarget</i> , 2015, 6, 43911-43926.	1.8	43
43	The pharmacological activity of epigallocatechin-3-gallate (EGCG) on Alzheimer's disease animal model: A systematic review. <i>Phytomedicine</i> , 2020, 79, 153316.	5.3	42
44	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models. <i>Redox Biology</i> , 2022, 51, 102280.	9.0	41
45	Selective autophagy: The new player in the fight against neurodegenerative diseases?. <i>Brain Research Bulletin</i> , 2018, 137, 79-90.	3.0	37
46	Resveratrol in experimental Alzheimer's disease models: A systematic review of preclinical studies. <i>Pharmacological Research</i> , 2019, 150, 104476.	7.1	37
47	Treatment of Idiopathic Parkinson's Disease with Traditional Chinese Herbal Medicine: A Randomized Placebo-Controlled Pilot Clinical Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-8.	1.2	36
48	Identification of a novel autophagic inhibitor cepharanthine to enhance the anti-cancer property of dacomitinib in non-small cell lung cancer. <i>Cancer Letters</i> , 2018, 412, 1-9.	7.2	36
49	Targeting ATG4 in Cancer Therapy. <i>Cancers</i> , 2019, 11, 649.	3.7	36
50	A Curcumin Derivative Activates TFEB and Protects Against Parkinsonian Neurotoxicity in Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1515.	4.1	36
51	Natural autophagy blockers, dauricine (DAC) and daurisoline (DAS), sensitize cancer cells to camptothecin-induced toxicity. <i>Oncotarget</i> , 2017, 8, 77673-77684.	1.8	34
52	NeuroDefend, a novel Chinese medicine, attenuates amyloid- β^2 and tau pathology in experimental Alzheimer's disease models. <i>Journal of Food and Drug Analysis</i> , 2020, 28, 132-146.	1.9	34
53	Neuroprotective effects of baicalein in animal models of Parkinson's disease: A systematic review of experimental studies. <i>Phytomedicine</i> , 2019, 55, 302-309.	5.3	33
54	An integrative multi-omics approach uncovers the regulatory role of CDK7 and CDK4 in autophagy activation induced by silica nanoparticles. <i>Autophagy</i> , 2021, 17, 1426-1447.	9.1	33

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55	Baicalein Induces Beclin 1- and Extracellular Signal-Regulated Kinase-Dependent Autophagy in Ovarian Cancer Cells. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 123-136.	3.8	32
56	Oxyphylla A ameliorates cognitive deficits and alleviates neuropathology via the Akt-GSK3 β and Nrf2-Keap1-HO-1 pathways in vitro and in vivo murine models of Alzheimer's disease. <i>Journal of Advanced Research</i> , 2021, 34, 1-12.	9.5	30
57	Protopine promotes the proteasomal degradation of pathological tau in Alzheimer's disease models via HDAC6 inhibition. <i>Phytomedicine</i> , 2022, 96, 153887.	5.3	30
58	Targeting Aggrephagy for the Treatment of Alzheimer's Disease. <i>Cells</i> , 2020, 9, 311.	4.1	29
59	Selective autophagy of AKAP11 activates cAMP/PKA to fuel mitochondrial metabolism and tumor cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
60	In vitro screening on amyloid precursor protein modulation of plants used in Ayurvedic and Traditional Chinese medicine for memory improvement. <i>Journal of Ethnopharmacology</i> , 2012, 141, 754-760.	4.1	26
61	NRBF2 is a RAB7 effector required for autophagosome maturation and mediates the association of APP-CTFs with active form of RAB7 for degradation. <i>Autophagy</i> , 2021, 17, 1112-1130.	9.1	25
62	BAG5 Interacts with DJ-1 and Inhibits the Neuroprotective Effects of DJ-1 to Combat Mitochondrial Oxidative Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-10.	4.0	24
63	Tetramethylpyrazine Analogue T-006 Promotes the Clearance of Alpha-synuclein by Enhancing Proteasome Activity in Parkinson's Disease Models. <i>Neurotherapeutics</i> , 2019, 16, 1225-1236.	4.4	24
64	High content screening for drug discovery from traditional Chinese medicine. <i>Chinese Medicine</i> , 2019, 14, 5.	4.0	24
65	Yuan-Hu Zhi Tong Prescription Mitigates Tau Pathology and Alleviates Memory Deficiency in the Preclinical Models of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2020, 11, 584770.	3.5	24
66	Systematic Review on the Efficacy and Safety of Herbal Medicines for Vascular Dementia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-22.	1.2	23
67	Natural alkaloid harmine promotes degradation of alpha-synuclein via PKA-mediated ubiquitin-proteasome system activation. <i>Phytomedicine</i> , 2019, 61, 152842.	5.3	23
68	Inhibition of alpha-synuclein seeded fibril formation and toxicity by herbal medicinal extracts. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 73.	2.7	22
69	Can We Use Ginkgo biloba Extract to Treat Alzheimer's Disease? Lessons from Preclinical and Clinical Studies. <i>Cells</i> , 2022, 11, 479.	4.1	22
70	Ferulic Acid in Animal Models of Alzheimer's Disease: A Systematic Review of Preclinical Studies. <i>Cells</i> , 2021, 10, 2653.	4.1	21
71	XIAOPI formula promotes breast cancer chemosensitivity via inhibiting CXCL1/HMGB1-mediated autophagy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 120, 109519.	5.6	20
72	Lysosomal TPCN (two pore segment channel) inhibition ameliorates beta-amyloid pathology and mitigates memory impairment in Alzheimer disease. <i>Autophagy</i> , 2022, 18, 624-642.	9.1	20

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73	Stimulation of Non-Amyloidogenic Processing of Amyloid- β Protein Precursor by Cryptotanshinone Involves Activation and Translocation of ADAM10 and PKC- ζ . <i>Journal of Alzheimer's Disease</i> , 2011, 25, 245-262.	2.6	19
74	Natural Alkaloid Compounds as Inhibitors for Alpha-Synuclein Seeded Fibril Formation and Toxicity. <i>Molecules</i> , 2021, 26, 3736.	3.8	19
75	Corynoxine B derivative CB6 prevents Parkinsonian toxicity in mice by inducing PIK3C3 complex-dependent autophagy. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 2511-2526.	6.1	19
76	Autophagy deficiency in neurodevelopmental disorders. <i>Cell and Bioscience</i> , 2021, 11, 214.	4.8	19
77	Novel mutations m.3959G>A and m.3995A>G in mitochondrial gene <i>MT-ND1</i> associated with MELAS. <i>Mitochondrial DNA</i> , 2014, 25, 56-62.	0.6	18
78	iNOS Interacts with Autophagy Receptor p62 and is Degraded by Autophagy in Macrophages. <i>Cells</i> , 2019, 8, 1255.	4.1	18
79	Canthin-6-One Accelerates Alpha-Synuclein Degradation by Enhancing UPS Activity: Drug Target Identification by CRISPR-Cas9 Whole Genome-Wide Screening Technology. <i>Frontiers in Pharmacology</i> , 2019, 10, 16.	3.5	18
80	GNE myopathy in Chinese population: hotspot and novel mutations. <i>Journal of Human Genetics</i> , 2019, 64, 11-16.	2.3	18
81	Azoramide protects iPSC-derived dopaminergic neurons with PLA2G6 D331Y mutation through restoring ER function and CREB signaling. <i>Cell Death and Disease</i> , 2020, 11, 130.	6.3	18
82	TFEB, a master regulator of autophagy and biogenesis, unexpectedly promotes apoptosis in response to the cyclopentenone prostaglandin 15d-PGJ2. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1251-1263.	6.1	17
83	Risk factors in development of motor complications in Chinese patients with idiopathic Parkinson's disease. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1034-1037.	1.5	15
84	The effect of salvianolic acid B combined with laminar shear stress on TNF- α -stimulated adhesion molecule expression in human aortic endothelial cells. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 44, 245-258.	1.7	15
85	AAV'sBTLA facilitates HSP70 vaccine-triggered prophylactic antitumor immunity against a murine melanoma pulmonary metastasis model in vivo. <i>Cancer Letters</i> , 2014, 354, 398-406.	7.2	15
86	Baicalein prevents 6-OHDA/ascorbic acid-induced calcium-dependent dopaminergic neuronal cell death. <i>Scientific Reports</i> , 2017, 7, 8398.	3.3	14
87	Autophagy modulator scoring system: a user-friendly tool for quantitative analysis of methodological integrity of chemical autophagy modulator studies. <i>Autophagy</i> , 2020, 16, 195-202.	9.1	14
88	Fish oil protects the blood-brain barrier integrity in a mouse model of Alzheimer's disease. <i>Chinese Medicine</i> , 2020, 15, 29.	4.0	14
89	The effect and underlying mechanisms of garlic extract against cognitive impairment and Alzheimer's disease: A systematic review and meta-analysis of experimental animal studies. <i>Journal of Ethnopharmacology</i> , 2021, 280, 114423.	4.1	14
90	Mechanistic Insights into Selective Autophagy Subtypes in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3609.	4.1	14

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91	A Randomized Controlled Trial of Chinese Medicine on Nonmotor Symptoms in Parkinson's Disease. <i>Parkinson's Disease</i> , 2017, 2017, 1-8.	1.1	13
92	Experimental characterization and molecular dynamic simulation of ketoprofen-cyclodextrin complexes. <i>Chemical Physics Letters</i> , 2019, 736, 136802.	2.6	13
93	Identification of novel oligopeptides from the simulated digestion of sea cucumber (<i>Stichopus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.4	13
94	Experimental alcoholism primes structural and functional impairment of the glymphatic pathway. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 106-119.	4.1	13
95	Lycorine, a natural alkaloid, promotes the degradation of alpha-synuclein via PKA-mediated UPS activation in transgenic Parkinson's disease models. <i>Phytomedicine</i> , 2021, 87, 153578.	5.3	13
96	Enhancing autophagy maturation with CCZ1-MON1A complex alleviates neuropathology and memory defects in Alzheimer disease models. <i>Theranostics</i> , 2022, 12, 1738-1755.	10.0	13
97	Pharmacological modulation of autophagy for Alzheimer's disease therapy: Opportunities and obstacles. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1688-1706.	12.0	13
98	The efficacy and safety of the Chinese herbal medicine Di-Tan decoction for treating Alzheimer's disease: protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 199.	1.6	12
99	Pharmacological insights into autophagy modulation in autoimmune diseases. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3364-3378.	12.0	12
100	Comprehensive Perspectives on Experimental Models for Parkinson's Disease. , 2021, 12, 223.		12
101	Oxyphylla A Promotes Degradation of α -Synuclein for Neuroprotection via Activation of Immunoproteasome. , 2020, 11, 559.		12
102	Toosendanin, a novel potent vacuolar-type H ⁺ -translocating ATPase inhibitor, sensitizes cancer cells to chemotherapy by blocking protective autophagy. <i>International Journal of Biological Sciences</i> , 2022, 18, 2684-2702.	6.4	12
103	A synergized machine learning plus cross-species wet-lab validation approach identifies neuronal mitophagy inducers inhibiting Alzheimer disease. <i>Autophagy</i> , 2022, 18, 939-941.	9.1	11
104	Insight into the Dissolution Molecular Mechanism of Ternary Solid Dispersions by Combined Experiments and Molecular Simulations. <i>AAPS PharmSciTech</i> , 2019, 20, 274.	3.3	10
105	Predictive Score for In-Hospital Mortality of Myasthenic Crisis: A Retrospective Chinese Cohort Study. <i>European Neurology</i> , 2019, 81, 287-293.	1.4	10
106	Toosendanin, a late-stage autophagy inhibitor, sensitizes triple-negative breast cancer to irinotecan chemotherapy. <i>Chinese Medicine</i> , 2022, 17, 55.	4.0	10
107	Research and development of anti-Parkinson's drugs: an analysis from the perspective of technology flows measured by patent citations. <i>Expert Opinion on Therapeutic Patents</i> , 2019, 29, 127-135.	5.0	9
108	Danlou Tablets Inhibit Atherosclerosis in Apolipoprotein E-Deficient Mice by Inducing Macrophage Autophagy: The Role of the PI3K-Akt-mTOR Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 724670.	3.5	8

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109	Hydroxyurea Facilitates Manifestation of Disease Relevant Phenotypes in Patients-Derived iPSCs-Based Modeling of Late-Onset Parkinson's Disease. , 2019, 10, 1037.		8
110	c-MYC-mediated TRIB3/P62+ aggresomes accumulation triggers paraptosis upon the combination of everolimus and ginsenoside Rh2. Acta Pharmaceutica Sinica B, 2022, 12, 1240-1253.	12.0	6
111	Active Substances from Callicarpa nudiflora Exert Anti-Cervicitis Effects and Regulate NLRP3-Associated Inflammation. Molecules, 2021, 26, 6217.	3.8	6
112	Application of the modified cytosine base-editing in the cultured cells of bama minipig. Biotechnology Letters, 2021, 43, 1699-1714.	2.2	4
113	Adenine base-editing-mediated exon skipping induces gene knockout in cultured pig cells. Biotechnology Letters, 2022, 44, 59-76.	2.2	4
114	Î±-mangostin derivative 4e as a PDE4 inhibitor promote proteasomal degradation of alpha-synuclein in Parkinson's disease models through PKA activation. Phytomedicine, 2022, 101, 154125.	5.3	4
115	Efficacy of classic Chinese medicine formula Ditan Decoction (æŕç—°æ±) for Alzheimer's disease. Chinese Journal of Integrative Medicine, 2014, , 1.	1.6	2
116	Editorial: Assessing the Pharmacological Effects and Therapeutic Potential of Traditional Chinese Medicine in Neurological Disease Models: An Update. Frontiers in Pharmacology, 2022, 13, 909153.	3.5	2
117	Chinese Medicines in Neurological Diseases: Pharmacological Perspective. , 2016, , 147-185.		0
118	Emerging roles of NRBF2/PI3KC3 axis in maintaining homeostasis of brain and guts. Neural Regeneration Research, 2022, 17, 323.	3.0	0