

# Jia-Hong Lu

## List of Publications by Citations

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115  
papers

7,074  
citations

33  
h-index

83  
g-index

122  
ext. papers

9,285  
ext. citations

7.2  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
115	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
114	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
113	Berberine ameliorates $\beta$ amyloid pathology, gliosis, and cognitive impairment in an Alzheimer's disease transgenic mouse model. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 2903-19	5.6	176
112	Isorhynchophylline, a natural alkaloid, promotes the degradation of alpha-synuclein in neuronal cells via inducing autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 98-108	10.2	125
111	Baicalein inhibits formation of $\beta$ synuclein oligomers within living cells and prevents A $\beta$ peptide fibrillation and oligomerisation. <i>ChemBioChem</i> , <b>2011</b> , 12, 615-24	3.8	110
110	HMGB1 is involved in autophagy inhibition caused by SNCA/ $\beta$ synuclein overexpression: a process modulated by the natural autophagy inducer corynoxine B. <i>Autophagy</i> , <b>2014</b> , 10, 144-54	10.2	102
109	A novel curcumin analog binds to and activates TFEB in vitro and in vivo independent of MTOR inhibition. <i>Autophagy</i> , <b>2016</b> , 12, 1372-89	10.2	97
108	Neuroprotective effects of Astragaloside IV in 6-hydroxydopamine-treated primary nigral cell culture. <i>Neurochemistry International</i> , <b>2009</b> , 55, 414-22	4.4	78
107	NRBF2 regulates autophagy and prevents liver injury by modulating Atg14L-linked phosphatidylinositol-3 kinase III activity. <i>Nature Communications</i> , <b>2014</b> , 5, 3920	17.4	76
106	Autophagy in ageing and ageing-associated diseases. <i>Acta Pharmacologica Sinica</i> , <b>2013</b> , 34, 605-11	8	72
105	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> , <b>2017</b> , 8, e2854	9.8	69
104	Balancing mTOR Signaling and Autophagy in the Treatment of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	68
103	Ginsenoside Rb1 inhibits fibrillation and toxicity of alpha-synuclein and disaggregates preformed fibrils. <i>Neurobiology of Disease</i> , <b>2015</b> , 74, 89-101	7.5	67
102	Corynoxine, a natural autophagy enhancer, promotes the clearance of alpha-synuclein via Akt/mTOR pathway. <i>Journal of NeuroImmune Pharmacology</i> , <b>2014</b> , 9, 380-7	6.9	64
101	Autophagy and Macrophage Functions: Inflammatory Response and Phagocytosis. <i>Cells</i> , <b>2019</b> , 9,	7.9	55
100	Efficacy and safety of acupuncture for idiopathic Parkinson's disease: a systematic review. <i>Journal of Alternative and Complementary Medicine</i> , <b>2008</b> , 14, 663-71	2.4	54
99	Autophagy modulators from traditional Chinese medicine: Mechanisms and therapeutic potentials for cancer and neurodegenerative diseases. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 194, 861-876	5	53

98	A small molecule transcription factor EB activator ameliorates beta-amyloid precursor protein and Tau pathology in Alzheimer's disease models. <i>Aging Cell</i> , <b>2020</b> , 19, e13069	9.9	52
97	Predicting physical stability of solid dispersions by machine learning techniques. <i>Journal of Controlled Release</i> , <b>2019</b> , 311-312, 16-25	11.7	51
96	ATP13A2 facilitates HDAC6 recruitment to lysosome to promote autophagosome-lysosome fusion. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 267-284	7.3	49
95	a review of chemical constituents and pharmacological activities. <i>Chinese Medicine</i> , <b>2018</b> , 13, 34	4.7	47
94	Selective autophagy of intracellular organelles: recent research advances. <i>Theranostics</i> , <b>2021</b> , 11, 222-256	11.1	45
93	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> , <b>2019</b> , 19, 109	4.7	44
92	Chemical characterization and immunomodulatory activity of acetylated polysaccharides from <i>Dendrobium devonianum</i> . <i>Carbohydrate Polymers</i> , <b>2018</b> , 180, 238-245	10.3	42
91	NRBF2 is involved in the autophagic degradation process of APP-CTFs in Alzheimer disease models. <i>Autophagy</i> , <b>2017</b> , 13, 2028-2040	10.2	41
90	Induction of C/EBP homologous protein-mediated apoptosis and autophagy by licochalcone A in non-small cell lung cancer cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 26241	4.9	38
89	Systematic review on the efficacy and safety of herbal medicines for Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2008</b> , 14, 209-23	4.3	38
88	Tianma Gouteng Yin, a Traditional Chinese Medicine decoction, exerts neuroprotective effects in animal and cellular models of Parkinson's disease. <i>Scientific Reports</i> , <b>2015</b> , 5, 16862	4.9	36
87	Induction of reactive oxygen species-stimulated distinctive autophagy by chelerythrine in non-small cell lung cancer cells. <i>Redox Biology</i> , <b>2017</b> , 12, 367-376	11.3	35
86	Pharmacological enhancement of TFEB-mediated autophagy alleviated neuronal death in oxidative stress-induced Parkinson's disease models. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 128	9.8	35
85	Glycyrrhetic acid induces cytoprotective autophagy via the inositol-requiring enzyme 1 $\epsilon$ -Jun N-terminal kinase cascade in non-small cell lung cancer cells. <i>Oncotarget</i> , <b>2015</b> , 6, 43911-26	3.3	34
84	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> , <b>2011</b> , 2011, 724353	2.3	33
83	Presenilin 1 deficiency suppresses autophagy in human neural stem cells through reducing $\beta$ -secretase-independent ERK/CREB signaling. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 879	9.8	32
82	Quercetin in Animal Models of Alzheimer's Disease: A Systematic Review of Preclinical Studies. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	31
81	Phosphoproteome-based kinase activity profiling reveals the critical role of MAP2K2 and PLK1 in neuronal autophagy. <i>Autophagy</i> , <b>2017</b> , 13, 1969-1980	10.2	31

80	Autophagy protein NRBF2 has reduced expression in Alzheimer's brains and modulates memory and amyloid-beta homeostasis in mice. <i>Molecular Neurodegeneration</i> , <b>2019</b> , 14, 43	19	29
79	Roles of Nitric Oxide Synthase Isoforms in Neurogenesis. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2645-2652	6.2	27
78	Pharmacological activities of dihydrotanshinone I, a natural product from <i>Salvia miltiorrhiza</i> Bunge. <i>Pharmacological Research</i> , <b>2019</b> , 145, 104254	10.2	26
77	Natural autophagy blockers, dauricine (DAC) and daurisoline (DAS), sensitize cancer cells to camptothecin-induced toxicity. <i>Oncotarget</i> , <b>2017</b> , 8, 77673-77684	3.3	24
76	Autophagy and Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1207, 21-51	3.6	24
75	Baicalein Induces Beclin 1- and Extracellular Signal-Regulated Kinase-Dependent Autophagy in Ovarian Cancer Cells. <i>The American Journal of Chinese Medicine</i> , <b>2017</b> , 45, 123-136	6	23
74	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> , <b>2018</b> , 412, 1-9	9.9	23
73	Resveratrol in experimental Alzheimer's disease models: A systematic review of preclinical studies. <i>Pharmacological Research</i> , <b>2019</b> , 150, 104476	10.2	23
72	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> , <b>2012</b> , 141, 754-605		23
71	Targeting ATG4 in Cancer Therapy. <i>Cancers</i> , <b>2019</b> , 11,	6.6	20
70	A Curcumin Derivative Activates TFEB and Protects Against Parkinsonian Neurotoxicity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	20
69	Neuroprotective effects of baicalein in animal models of Parkinson's disease: A systematic review of experimental studies. <i>Phytomedicine</i> , <b>2019</b> , 55, 302-309	6.5	19
68	The pharmacological activity of epigallocatechin-3-gallate (EGCG) on Alzheimer's disease animal model: A systematic review. <i>Phytomedicine</i> , <b>2020</b> , 79, 153316	6.5	17
67	Selective autophagy: The new player in the fight against neurodegenerative diseases?. <i>Brain Research Bulletin</i> , <b>2018</b> , 137, 79-90	3.9	17
66	Natural alkaloid harmine promotes degradation of alpha-synuclein via PKA-mediated ubiquitin-proteasome system activation. <i>Phytomedicine</i> , <b>2019</b> , 61, 152842	6.5	16
65	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> , <b>2017</b> , 2017, 5094934	6.7	16
64	Stimulation of non-amyloidogenic processing of amyloid- $\beta$ protein precursor by cryptotanshinone involves activation and translocation of ADAM10 and PKC- $\zeta$ . <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 25, 245-62	4.3	16
63	Systematic review on the efficacy and safety of herbal medicines for vascular dementia. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2012</b> , 2012, 426215	2.3	16

62	PI3KC3 complex subunit NRBF2 is required for apoptotic cell clearance to restrict intestinal inflammation. <i>Autophagy</i> , <b>2021</b> , 17, 1096-1111	10.2	16
61	Tetramethylpyrazine Analogue T-006 Promotes the Clearance of Alpha-synuclein by Enhancing Proteasome Activity in Parkinson's Disease Models. <i>Neurotherapeutics</i> , <b>2019</b> , 16, 1225-1236	6.4	15
60	Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow.. <i>Nature Biomedical Engineering</i> , <b>2022</b> , 6, 76-93	19	14
59	Targeting Aggrephagy for the Treatment of Alzheimer's Disease. <i>Cells</i> , <b>2020</b> , 9,	7.9	13
58	AAV-sBTLA facilitates HSP70 vaccine-triggered prophylactic antitumor immunity against a murine melanoma pulmonary metastasis model in vivo. <i>Cancer Letters</i> , <b>2014</b> , 354, 398-406	9.9	13
57	The effect of salvianolic acid B combined with laminar shear stress on TNF-alpha-stimulated adhesion molecule expression in human aortic endothelial cells. <i>Clinical Hemorheology and Microcirculation</i> , <b>2010</b> , 44, 245-58	2.5	13
56	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> , <b>2019</b> , 10, 16	5.6	13
55	NeuroDefend, a novel Chinese medicine, attenuates amyloid- $\beta$ and tau pathology in experimental Alzheimer's disease models. <i>Journal of Food and Drug Analysis</i> , <b>2020</b> , 28, 132-146	7	13
54	Traditional Chinese medicine compounds regulate autophagy for treating neurodegenerative disease: A mechanism review. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 133, 110968	7.5	13
53	High content screening for drug discovery from traditional Chinese medicine. <i>Chinese Medicine</i> , <b>2019</b> , 14, 5	4.7	12
52	Inhibition of alpha-synuclein seeded fibril formation and toxicity by herbal medicinal extracts. <i>BMC Complementary Medicine and Therapies</i> , <b>2020</b> , 20, 73	2.9	12
51	Risk factors in development of motor complications in Chinese patients with idiopathic Parkinson's disease. <i>Journal of Clinical Neuroscience</i> , <b>2009</b> , 16, 1034-7	2.2	12
50	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> , <b>2020</b> , 11, 584770	5.6	12
49	GNE myopathy in Chinese population: hotspot and novel mutations. <i>Journal of Human Genetics</i> , <b>2019</b> , 64, 11-16	4.3	12
48	Novel mutations m.3959G>A and m.3995A>G in mitochondrial gene MT-ND1 associated with MELAS. <i>Mitochondrial DNA</i> , <b>2014</b> , 25, 56-62		11
47	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> , <b>2021</b> , 17, 1112-1130	10.2	11
46	Corynoxine Protects Dopaminergic Neurons Through Inducing Autophagy and Diminishing Neuroinflammation in Rotenone-Induced Animal Models of Parkinson's Disease. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 642900	5.6	10
45	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> , <b>2015</b> , 16, 199	2.8	9

44	iNOS Interacts with Autophagy Receptor p62 and is Degraded by Autophagy in Macrophages. <i>Cells</i> , <b>2019</b> , 8,	7.9	9
43	Baicalein prevents 6-OHDA/ascorbic acid-induced calcium-dependent dopaminergic neuronal cell death. <i>Scientific Reports</i> , <b>2017</b> , 7, 8398	4.9	9
42	Autophagy modulator scoring system: a user-friendly tool for quantitative analysis of methodological integrity of chemical autophagy modulator studies. <i>Autophagy</i> , <b>2020</b> , 16, 195-202	10.2	9
41	Experimental characterization and molecular dynamic simulation of ketoprofen-cyclodextrin complexes. <i>Chemical Physics Letters</i> , <b>2019</b> , 736, 136802	2.5	8
40	Oxyphylla A Promotes Degradation of $\beta$ -Synuclein for Neuroprotection Activation of Immunoproteasome <b>2020</b> , 11, 559-574		8
39	An integrative multi-omics approach uncovers the regulatory role of CDK7 and CDK4 in autophagy activation induced by silica nanoparticles. <i>Autophagy</i> , <b>2021</b> , 17, 1426-1447	10.2	8
38	Identification of novel oligopeptides from the simulated digestion of sea cucumber ( <i>Stichopus japonicus</i> ) to alleviate A $\beta$ aggregation progression. <i>Journal of Functional Foods</i> , <b>2019</b> , 60, 103412	5.1	7
37	Azoramide protects iPSC-derived dopaminergic neurons with PLA2G6 D331Y mutation through restoring ER function and CREB signaling. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 130	9.8	7
36	XIAOPI formula promotes breast cancer chemosensitivity via inhibiting CXCL1/HMGB1-mediated autophagy. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 120, 109519	7.5	7
35	Experimental alcoholism primes structural and functional impairment of the glymphatic pathway. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 85, 106-119	16.6	7
34	Lysosomal TPCN (two pore segment channel) inhibition ameliorates beta-amyloid pathology and mitigates memory impairment in Alzheimer disease. <i>Autophagy</i> , <b>2021</b> , 1-19	10.2	7
33	Insight into the Dissolution Molecular Mechanism of Ternary Solid Dispersions by Combined Experiments and Molecular Simulations. <i>AAPS PharmSciTech</i> , <b>2019</b> , 20, 274	3.9	6
32	Hydroxyurea Facilitates Manifestation of Disease Relevant Phenotypes in Patients-Derived iPSCs-Based Modeling of Late-Onset Parkinson's Disease <b>2019</b> , 10, 1037-1048		6
31	Fish oil protects the blood-brain barrier integrity in a mouse model of Alzheimer's disease. <i>Chinese Medicine</i> , <b>2020</b> , 15, 29	4.7	5
30	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> , <b>2021</b> , 118,	11.5	5
29	Natural Alkaloid Compounds as Inhibitors for Alpha-Synuclein Seeded Fibril Formation and Toxicity. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
28	Protopine promotes the proteasomal degradation of pathological tau in Alzheimer's disease models via HDAC6 inhibition.. <i>Phytomedicine</i> , <b>2021</b> , 96, 153887	6.5	4
27	Lycorine, a natural alkaloid, promotes the degradation of alpha-synuclein via PKA-mediated UPS activation in transgenic Parkinson's disease models. <i>Phytomedicine</i> , <b>2021</b> , 87, 153578	6.5	4

26	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> , <b>2019</b> , 29, 127-135	6.8	4
25	Toosendanin, a late-stage autophagy inhibitor, sensitizes triple-negative breast cancer to irinotecan chemotherapy.. <i>Chinese Medicine</i> , <b>2022</b> , 17, 55	4.7	4
24	Ferulic Acid in Animal Models of Alzheimer's Disease: A Systematic Review of Preclinical Studies. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
23	Oxyphylla A ameliorates cognitive deficits and alleviates neuropathology via the Akt-GSK3 $\beta$ and Nrf2-Keap1-HO-1 pathways in and in murine models of Alzheimer's disease.. <i>Journal of Advanced Research</i> , <b>2021</b> , 34, 1-12	13	3
22	Autophagy deficiency in neurodevelopmental disorders.. <i>Cell and Bioscience</i> , <b>2021</b> , 11, 214	9.8	3
21	Predictive Score for In-Hospital Mortality of Myasthenic Crisis: A Retrospective Chinese Cohort Study. <i>European Neurology</i> , <b>2019</b> , 81, 287-293	2.1	2
20	A Randomized Controlled Trial of Chinese Medicine on Nonmotor Symptoms in Parkinson's Disease. <i>Parkinsons Disease</i> , <b>2017</b> , 2017, 1902708	2.6	2
19	Can We Use Extract to Treat Alzheimer's Disease? Lessons from Preclinical and Clinical Studies.. <i>Cells</i> , <b>2022</b> , 11,	7.9	2
18	Pharmacological insights into autophagy modulation in autoimmune diseases.. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 3364-3378	15.5	2
17	TFEB, a master regulator of autophagy and biogenesis, unexpectedly promotes apoptosis in response to the cyclopentenone prostaglandin 15d-PGJ2. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> ,	8	2
16	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> , <b>2021</b> , 12, 724670	5.6	2
15	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> , <b>2021</b> , 280, 114423	5	2
14	Comprehensive Perspectives on Experimental Models for Parkinson's Disease <b>2021</b> , 12, 223-246		2
13	Corynoxine B derivative CB6 prevents Parkinsonian toxicity in mice by inducing PI3K3 complex-dependent autophagy.. <i>Acta Pharmacologica Sinica</i> , <b>2022</b> ,	8	2
12	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models.. <i>Redox Biology</i> , <b>2022</b> , 51, 102280	11.3	2
11	Efficacy of classic Chinese medicine formula Ditan Decoction ( ) for Alzheimer's disease. <i>Chinese Journal of Integrative Medicine</i> , <b>2014</b> , 1	2.9	1
10	Enhancing autophagy maturation with CCZ1-MON1A complex alleviates neuropathology and memory defects in Alzheimer disease models.. <i>Theranostics</i> , <b>2022</b> , 12, 1738-1755	12.1	1
9	Application of the modified cytosine base-editing in the cultured cells of bama minipig. <i>Biotechnology Letters</i> , <b>2021</b> , 43, 1699-1714	3	1

8	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> , <b>2022</b> , 18, 2684-2702	11.2	1
7	Pharmacological modulation of autophagy for Alzheimer's disease therapy: Opportunities and obstacles. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> ,	15.5	1
6	A synergized machine learning plus cross-species wet-lab validation approach identifies neuronal mitophagy inducers inhibiting Alzheimer disease.. <i>Autophagy</i> , <b>2022</b> , 1-3	10.2	0
5	Adenine base-editing-mediated exon skipping induces gene knockout in cultured pig cells.. <i>Biotechnology Letters</i> , <b>2022</b> , 1	3	0
4	c-MYC-mediated TRIB3/P62 aggresomes accumulation triggers paraptosis upon the combination of everolimus and ginsenoside Rh2.. <i>Acta Pharmaceutica Sinica B</i> , <b>2022</b> , 12, 1240-1253	15.5	0
3	Emangostin derivative 4e as a PDE4 inhibitor promote proteasomal degradation of alpha-synuclein in Parkinson's disease models through PKA activation.. <i>Phytomedicine</i> , <b>2022</b> , 101, 154125	6.5	0
2	Chinese Medicines in Neurological Diseases: Pharmacological Perspective <b>2016</b> , 147-185		
1	Emerging roles of NRBF2/PI3KC3 axis in maintaining homeostasis of brain and guts. <i>Neural Regeneration Research</i> , <b>2022</b> , 17, 323-324	4.5	