

# Ling-Qiang Zhu

## List of Publications by Year in descending order

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79  
papers

3,483  
citations

117625

34  
h-index

149698

56  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of ferroportin induces memory impairment by promoting ferroptosis in Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2021, 28, 1548-1562.	11.2	275
2	Activation of Glycogen Synthase Kinase-3 Inhibits Long-Term Potentiation with Synapse-Associated Impairments. <i>Journal of Neuroscience</i> , 2007, 27, 12211-12220.	3.6	213
3	EPAC Null Mutation Impairs Learning and Social Interactions via Aberrant Regulation of miR-124 and Zif268 Translation. <i>Neuron</i> , 2012, 73, 774-788.	8.1	163
4	A Novel MicroRNA-124/PTPN1 Signal Pathway Mediates Synaptic and Memory Deficits in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2018, 83, 395-405.	1.3	153
5	DAPK1-p53 Interaction Converges Necrotic and Apoptotic Pathways of Ischemic Neuronal Death. <i>Journal of Neuroscience</i> , 2014, 34, 6546-6556.	3.6	99
6	Targeting miR-124/Ferroportin signaling ameliorated neuronal cell death through inhibiting apoptosis and ferroptosis in aged intracerebral hemorrhage murine model. <i>Aging Cell</i> , 2020, 19, e13235.	6.7	97
7	MicroRNA-26a/Death-Associated Protein Kinase-1 Signaling Induces Synucleinopathy and Dopaminergic Neuron Degeneration in Parkinson's Disease. <i>Biological Psychiatry</i> , 2019, 85, 769-781.	1.3	92
8	GSK-3 $\beta$ Inhibits Presynaptic Vesicle Exocytosis by Phosphorylating P/Q-Type Calcium Channel and Interrupting SNARE Complex Formation. <i>Journal of Neuroscience</i> , 2010, 30, 3624-3633.	3.6	88
9	Impairments of spatial memory in an Alzheimer's disease model via degeneration of hippocampal cholinergic synapses. <i>Nature Communications</i> , 2017, 8, 1676.	12.8	88
10	Melatonin Attenuates Scopolamine-Induced Memory/Synaptic Disorder by Rescuing EPACs/miR-124/Egr1 Pathway. <i>Molecular Neurobiology</i> , 2013, 47, 373-381.	4.0	84
11	Targeting the HDAC2/HNF-4A/miR-101b/AMPK Pathway Rescues Tauopathy and Dendritic Abnormalities in Alzheimer's Disease. <i>Molecular Therapy</i> , 2017, 25, 752-764.	8.2	82
12	Diverse Functions and Mechanisms of Pericytes in Ischemic Stroke. <i>Current Neuropharmacology</i> , 2017, 15, 892-905.	2.9	82
13	The Physiology of BDNF and Its Relationship with ADHD. <i>Molecular Neurobiology</i> , 2015, 52, 1467-1476.	4.0	76
14	Disease-modified glycogen synthase kinase-3 $\beta$ intervention by melatonin arrests the pathology and memory deficits in an Alzheimer's animal model. <i>Neurobiology of Aging</i> , 2013, 34, 1555-1563.	3.1	73
15	Synaptic Dysfunction in Alzheimer's Disease: A $\beta$ , Tau, and Epigenetic Alterations. <i>Molecular Neurobiology</i> , 2018, 55, 3021-3032.	4.0	73
16	Melatonin attenuates isoproterenol-induced protein kinase A overactivation and tau hyperphosphorylation in rat brain. <i>Journal of Pineal Research</i> , 2004, 37, 11-16.	7.4	71
17	Protein Phosphatase 2A Facilitates Axonogenesis by Dephosphorylating CRMP2. <i>Journal of Neuroscience</i> , 2010, 30, 3839-3848.	3.6	70
18	A Novel Mechanism of Spine Damages in Stroke via DAPK1 and Tau. <i>Cerebral Cortex</i> , 2015, 25, 4559-4571.	2.9	70

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19	Long Non-coding RNAs, Novel Culprits, or Bodyguards in Neurodegenerative Diseases. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 10, 269-276.	5.1	70
20	Neuroglobin attenuates Alzheimer-like tau hyperphosphorylation by activating Akt signaling. <i>Journal of Neurochemistry</i> , 2012, 120, 157-164.	3.9	64
21	High Serum MiR-130a Levels Are Associated with Severe Perihematomal Edema and Predict Adverse Outcome in Acute ICH. <i>Molecular Neurobiology</i> , 2016, 53, 1310-1321.	4.0	59
22	Serotonin receptor 2c-expressing cells in the ventral CA1 control attention via innervation of the Edinger-Westphal nucleus. <i>Nature Neuroscience</i> , 2018, 21, 1239-1250.	14.8	52
23	Estradiol Attenuates Tau Hyperphosphorylation Induced by Upregulation of Protein Kinase-A. <i>Neurochemical Research</i> , 2008, 33, 1811-1820.	3.3	51
24	Acetyl-L-Carnitine Attenuates Okadaic Acid Induced Tau Hyperphosphorylation and Spatial Memory Impairment in Rats. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 735-746.	2.6	49
25	Stimulation of EphB2 attenuates tau phosphorylation through PI3K/Akt-mediated inactivation of glycogen synthase kinase-3 $\beta$ . <i>Scientific Reports</i> , 2015, 5, 11765.	3.3	47
26	miR-135a-5p mediates memory and synaptic impairments via the Rock2/Adducin1 signaling pathway in a mouse model of Alzheimer's disease. <i>Nature Communications</i> , 2021, 12, 1903.	12.8	46
27	Intraperitoneal Administration of a Novel TAT-BDNF Peptide Ameliorates Cognitive Impairments via Modulating Multiple Pathways in Two Alzheimer's Rodent Models. <i>Scientific Reports</i> , 2015, 5, 15032.	3.3	43
28	Expression of BC1 Impairs Spatial Learning and Memory in Alzheimer's Disease Via APP Translation. <i>Molecular Neurobiology</i> , 2018, 55, 6007-6020.	4.0	43
29	Correcting abnormalities in miR-124/PTPN1 signaling rescues tau pathology in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020, 154, 441-457.	3.9	43
30	Ferroptosis, a Potential Therapeutic Target in Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 704298.	3.7	42
31	17 $\beta$ -estradiol attenuates glycogen synthase kinase-3 $\beta$ activation and tau hyperphosphorylation in Akt-independent manner. <i>Journal of Neural Transmission</i> , 2008, 115, 879-888.	2.8	41
32	Selective Degeneration of Entorhinal-CA1 Synapses in Alzheimer's Disease via Activation of DAPK1. <i>Journal of Neuroscience</i> , 2016, 36, 10843-10852.	3.6	41
33	Opposite effects of two estrogen receptors on tau phosphorylation through disparate effects on the miR-218/PTPA pathway. <i>Aging Cell</i> , 2015, 14, 867-877.	6.7	40
34	Acetyl-L-Carnitine Attenuates Homocysteine-Induced Alzheimer-Like Histopathological and Behavioral Abnormalities. <i>Rejuvenation Research</i> , 2011, 14, 669-679.	1.8	39
35	NGF promotes long-term memory formation by activating poly(ADP-ribose)polymerase-1. <i>Neuropharmacology</i> , 2012, 63, 1085-1092.	4.1	37
36	$\beta$ -Amyloid triggers aberrant over-scaling of homeostatic synaptic plasticity. <i>Acta Neuropathologica Communications</i> , 2016, 4, 131.	5.2	35

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37	Temporal correlation of the memory deficit with Alzheimer-like lesions induced by activation of glycogen synthase kinase-3. <i>Journal of Neurochemistry</i> , 2008, 106, 2364-2374.	3.9	34
38	The Association of SNAP25 Gene Polymorphisms in Attention Deficit/Hyperactivity Disorder: a Systematic Review and Meta-Analysis. <i>Molecular Neurobiology</i> , 2017, 54, 2189-2200.	4.0	34
39	MiR-181b Antagonizes Atherosclerotic Plaque Vulnerability Through Modulating Macrophage Polarization by Directly Targeting Notch1. <i>Molecular Neurobiology</i> , 2017, 54, 6329-6341.	4.0	34
40	NEXMIF/KIDLIA Knock-out Mouse Demonstrates Autism-Like Behaviors, Memory Deficits, and Impairments in Synapse Formation and Function. <i>Journal of Neuroscience</i> , 2020, 40, 237-254.	3.6	33
41	MiR-21-5p/dual-specificity phosphatase 8 signalling mediates the anti-inflammatory effect of haem oxygenase-1 in aged intracerebral haemorrhage rats. <i>Aging Cell</i> , 2019, 18, e13022.	6.7	32
42	Activation of MT2 receptor ameliorates dendritic abnormalities in Alzheimer's disease via C/EBP $\beta$ /miR-125b pathway. <i>Aging Cell</i> , 2019, 18, e12902.	6.7	32
43	A novel pathway regulates social hierarchy via lncRNA AtLAS and postsynaptic synapsin IIb. <i>Cell Research</i> , 2020, 30, 105-118.	12.0	32
44	Acetyl-L-carnitine ameliorates spatial memory deficits induced by inhibition of phosphoinositide 3-kinase and protein kinase C. <i>Journal of Neurochemistry</i> , 2011, 118, 864-878.	3.9	30
45	Lithium Attenuates Scopolamine-Induced Memory Deficits with Inhibition of GSK-3 $\beta$ and Preservation of Postsynaptic Components. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 515-527.	2.6	30
46	Acetyl-L-carnitine rescues scopolamine-induced memory deficits by restoring insulin-like growth factor II via decreasing p53 oxidation. <i>Neuropharmacology</i> , 2014, 76, 80-87.	4.1	30
47	ATF4: a Novel Potential Therapeutic Target for Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2015, 52, 1765-1770.	4.0	30
48	GSK-3 $\beta$ Polymorphism Discriminates Bipolar Disorder and Schizophrenia: A Systematic Meta-Analysis. <i>Molecular Neurobiology</i> , 2013, 48, 404-411.	4.0	29
49	Inhibition of Melatonin Biosynthesis Induces Neurofilament Hyperphosphorylation with Activation of Cyclin-dependent Kinase 5. <i>Neurochemical Research</i> , 2007, 32, 1329-1335.	3.3	24
50	Activation of Glycogen Synthase Kinase-3 Mediates the Olfactory Deficit-Induced Hippocampal Impairments. <i>Molecular Neurobiology</i> , 2015, 52, 1601-1617.	4.0	22
51	The Peptide-Directed Lysosomal Degradation of CDK5 Exerts Therapeutic Effects against Stroke. , 2019, 10, 1140.		22
52	cGAS-STING-mediated IFN-I Response in Host Defense and Neuroinflammatory Diseases. <i>Current Neuropharmacology</i> , 2022, 20, 362-371.	2.9	22
53	Reprogramming astrocytes to motor neurons by activation of endogenous Ngn2 and Isl1. <i>Stem Cell Reports</i> , 2021, 16, 1777-1791.	4.8	20
54	Tau overexpression impairs neuronal endocytosis by decreasing the GTPase dynamin 1 through the miR-132/MeCP2 pathway. <i>Aging Cell</i> , 2019, 18, e12929.	6.7	19

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55	Olfactory deficits induce neurofilament hyperphosphorylation. <i>Neuroscience Letters</i> , 2012, 506, 180-183.	2.1	18
56	Emerging Perspectives on DNA Double-strand Breaks in Neurodegenerative Diseases. <i>Current Neuropharmacology</i> , 2019, 17, 1146-1157.	2.9	15
57	Role of Grin1/Nmdar1 in the Central Nervous System Diseases. <i>Current Neuropharmacology</i> , 2020, 18, 861-867.	2.9	13
58	Cnga2 Knockout Mice Display Alzheimer's-Like Behavior Abnormalities and Pathological Changes. <i>Molecular Neurobiology</i> , 2016, 53, 4992-4999.	4.0	12
59	A circuit of COCH neurons encodes social-stress-induced anxiety via MTF1 activation of Cacna1h. <i>Cell Reports</i> , 2021, 37, 110177.	6.4	12
60	In vivo imaging of astrocytes in the whole brain with engineered AAVs and diffusion-weighted magnetic resonance imaging. <i>Molecular Psychiatry</i> , 2022, , .	7.9	12
61	Elevated Levels of miR-144-3p Induce Cholinergic Degeneration by Impairing the Maturation of NGF in Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 667412.	3.7	11
62	Longitudinal neural connection detection using a ferritin-encoding adeno-associated virus vector and in vivo MRI method. <i>Human Brain Mapping</i> , 2021, 42, 5010-5022.	3.6	11
63	Olfactory Deprivation Hastens Alzheimer-Like Pathologies in a Human Tau-Overexpressed Mouse Model via Activation of cdk5. <i>Molecular Neurobiology</i> , 2016, 53, 391-401.	4.0	10
64	Social isolation reinforces aging-related behavioral inflexibility by promoting neuronal necroptosis in basolateral amygdala. <i>Molecular Psychiatry</i> , 2022, 27, 4050-4063.	7.9	9
65	Enriched odor exposure decrease tau phosphorylation in the rat hippocampus and cortex. <i>Neuroscience Letters</i> , 2012, 507, 22-26.	2.1	8
66	Inhibition of Glycogen Synthase Kinase-3 Reverses Tau Hyperphosphorylation Induced by Pin1 Down-Regulation. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 436-443.	1.4	8
67	Targeting the Neuronal Activity of Prefrontal Cortex: New Directions for the Therapy of Depression. <i>Current Neuropharmacology</i> , 2020, 18, 332-346.	2.9	8
68	VGLUT3 neurons in median raphe control the efficacy of spatial memory retrieval via ETV4 regulation of VGLUT3 transcription. <i>Science China Life Sciences</i> , 2022, 65, 1590-1607.	4.9	8
69	A Systematic Analysis of Genomic Changes in Tg2576 Mice. <i>Molecular Neurobiology</i> , 2013, 47, 883-891.	4.0	4
70	Inhibition of melatonin biosynthesis activates protein kinase a and induces Alzheimer-like tau hyperphosphorylation in rats. <i>Chinese Medical Sciences Journal</i> , 2005, 20, 83-7.	0.4	4
71	Infralimbic Endothelin1 Is Critical for the Modulation of Anxiety-Like Behaviors. <i>Molecular Neurobiology</i> , 2016, 53, 2054-2064.	4.0	2
72	P3-051: Opposite effects of two estrogen receptors on tau phosphorylation regulation through disparate effects on the MIR-218/PTPA pathway. , 2015, 11, P638-P638.		1

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73	The Comprehensive Neural Mechanism of Oxytocin in Analgesia. <i>Current Neuropharmacology</i> , 2022, 20, 147-157.	2.9	1
74	P1-042: Activation of glycogen synthase kinase-3 mediates the olfactory deficit-induced hippocampal impairments. , 2015, 11, P354-P354.		0
75	P2-053: Olfactory deprivation hastens Alzheimer-like pathologies in a human tau overexpressed mouse model via activation of cdk5. , 2015, 11, P502-P503.		0
76	P1-080: Cnga2 ko mice show Alzheimer's-like behavioral abnormalities and pathological changes. , 2015, 11, P368-P370.		0
77	[P4â€“112]: ROLE AND MECHANISMS OF MICRORNAâ€“124 IN THE PATHOGENESIS OF ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1300.	0.8	0
78	[P4â€“100]: TARGETING THE HDAC2/HNFâ€“4A/MIRâ€“101B/AMPK PATHWAY RESCUES TAUOPATHY AND DENDRITIC ABNORMALITIES IN ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1296.	0.8	0
79	P3â€“174: A NOVEL MIRâ€“124/PTPN1 SIGNAL PATHWAY MEDIATES SYNAPTIC AND MEMORY DEFICITS IN ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1134.	0.8	0