

# Ling Zhu

## List of Publications by Year in descending order

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103  
papers

3,661  
citations

126907

33  
h-index

155660

55  
g-index

104  
all docs

104  
docs citations

104  
times ranked

5048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Magnetic Nanocatalyst-Induced Chemo- and Ferroptosis Synergistic Cancer Therapy in Combination with T <sub>1</sub> -Weighted Dual-Mode Magnetic Resonance Imaging Through Doxorubicin Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3621-3632.	8.0	20
2	Compritol solid lipid nanoparticle formulations enhance the protective effect of betulinic acid derivatives in human M $\mu$ ller cells against oxidative injury. <i>Experimental Eye Research</i> , 2022, 215, 108906.	2.6	9
3	Metabolism Dysregulation in Retinal Diseases and Related Therapies. <i>Antioxidants</i> , 2022, 11, 942.	5.1	9
4	Transketolase in human M $\mu$ ller cells is critical to resist light stress through the pentose phosphate and NRF2 pathways. <i>Redox Biology</i> , 2022, 54, 102379.	9.0	10
5	The multi-kinase inhibitor afatinib serves as a novel candidate for the treatment of human uveal melanoma. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 601-619.	4.4	1
6	Uncovering an Organ $\mu$ l's Molecular Architecture at Single-Cell Resolution by Spatially Resolved Transcriptomics. <i>Trends in Biotechnology</i> , 2021, 39, 43-58.	9.3	145
7	Assessing the magnetic resonance imaging in determining the depth of invasion of tongue cancer. <i>Oral Diseases</i> , 2021, 27, 457-463.	3.0	15
8	Impaired Transport Activity of Human Organic Anion Transporters (OATs) and Organic Anion Transporting Polypeptides (OATPs) by Wnt Inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 914-924.	3.3	5
9	Isolation, Culture, and Identification of Primary M $\mu$ ller Cells from Human Retina. <i>Bio-protocol</i> , 2021, 11, e4179.	0.4	4
10	The Potential Application of Pentacyclic Triterpenoids in the Prevention and Treatment of Retinal Diseases. <i>Planta Medica</i> , 2021, 87, 511-527.	1.3	8
11	Effect of selectively knocking down key metabolic genes in M $\mu$ ller glia on photoreceptor health. <i>Glia</i> , 2021, 69, 1966-1986.	4.9	13
12	Procyanidin B2 and rutin in Ginkgo biloba extracts protect human retinal pigment epithelial (RPE) cells from oxidative stress by modulating Nrf2 and Erk1/2 signalling. <i>Experimental Eye Research</i> , 2021, 207, 108586.	2.6	20
13	G protein-coupled estrogen receptor in the rostral ventromedial medulla contributes to the chronification of postoperative pain. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1313-1326.	3.9	10
14	Ginkgo biloba extract protects human neuroblastoma SH-SY5Y cells against oxidative glutamate toxicity by activating redoxosome-p66Shc. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 951.	1.8	3
15	ZNF655 is involved in development and progression of non-small-cell lung cancer. <i>Life Sciences</i> , 2021, 280, 119727.	4.3	6
16	An In Vitro Model of Diabetic Retinal Vascular Endothelial Dysfunction and Neuroretinal Degeneration. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-12.	2.3	3
17	A multidisciplinary collaborative model based on single-port thoracoscopy for the treatment of giant mediastinal lymph node hyperplasia: a case report. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110627.	1.0	0
18	The involvement of human organic anion transporting polypeptides (OATPs) in drug-herb/food interactions. <i>Chinese Medicine</i> , 2020, 15, 71.	4.0	21

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19	Oxygen Vacancy Defect-Induced Activity Enhancement of Gd Doping Magnetic Nanocluster for Oxygen Supplying Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36917-36927.	8.0	29
20	Interphotoreceptor Retinoid-Binding Protein (IRBP) in Retinal Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 577935.	3.7	15
21	Metabolic Features of Mouse and Human Retinas: Rods versus Cones, Macula versus Periphery, Retina versus RPE. <i>IScience</i> , 2020, 23, 101672.	4.1	37
22	FoxM1 affects adhesive, migratory, and invasive abilities of human retinoblastoma Y-79 cells by targeting matrix metalloproteinase 2. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 294-301.	2.0	4
23	&lt;p&gt;circGFRA1 Enhances NSCLC Progression by Sponging miR-188-3p&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 549-558.	2.0	35
24	miR-210 transferred by lung cancer cell-derived exosomes may act as proangiogenic factor in cancer-associated fibroblasts by modulating JAK2/STAT3 pathway. <i>Clinical Science</i> , 2020, 134, 807-825.	4.3	90
25	Differing Structural and Functional Patterns of Optic Nerve Damage in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , 2019, 126, 445-453.	5.2	69
26	A singleâ€cell transcriptome atlas of the adult human retina. <i>EMBO Journal</i> , 2019, 38, e100811.	7.8	185
27	Betulinic acid derivatives can protect human MÃ¼ller cells from glutamate-induced oxidative stress. <i>Experimental Cell Research</i> , 2019, 383, 111509.	2.6	11
28	Simvastatin protects photoreceptors from oxidative stress induced by allâ€trans â€retinal, through the upâ€regulation of interphotoreceptor retinoid binding protein. <i>British Journal of Pharmacology</i> , 2019, 176, 2063-2078.	5.4	10
29	Evidence of MÃ¼ller Glial Dysfunction in Patients with Aquaporin-4 Immunoglobulin Câ€Positive Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , 2019, 126, 801-810.	5.2	54
30	A derivative of betulinic acid protects human Retinal Pigment Epithelial (RPE) cells from cobalt chloride-induced acute hypoxic stress. <i>Experimental Eye Research</i> , 2019, 180, 92-101.	2.6	20
31	Evaluation of the dental spectral cone beam CT for metal artefact reduction. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180044.	2.7	6
32	Human macular MÃ¼ller cells rely more on serine biosynthesis to combat oxidative stress than those from the periphery. <i>ELife</i> , 2019, 8, .	6.0	38
33	Disruption of De Novo Serine Synthesis in MÃ¼ller Cells Induced Mitochondrial Dysfunction and Aggravated Oxidative Damage. <i>Molecular Neurobiology</i> , 2018, 55, 7025-7037.	4.0	49
34	The inhibitory effects of eighteen front-line antibiotics on the substrate uptake mediated by human Organic anion/cation transporters, Organic anion transporting polypeptides and Oligopeptide transporters in in vitro models. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 132-143.	4.0	10
35	The inhibitory effects of five alkaloids on the substrate transport mediated through human organic anion and cation transporters. <i>Xenobiotica</i> , 2018, 48, 197-205.	1.1	5
36	Triggering p53 activation is essential in ziyuglycoside lâ€induced human retinoblastoma WERIâ€Rbâ€1 cell apoptosis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22001.	3.0	10

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37	The 5â€²-AMP-Activated Protein Kinase Regulates the Function and Expression of Human Organic Anion Transporting Polypeptide 1A2. <i>Molecular Pharmacology</i> , 2018, 94, 1412-1420.	2.3	7
38	A Combination Therapy Targeting Endoglin and VEGF-A Prevents Subretinal Fibro-Neovascularization Caused by Induced MÃ¼ller Cell Disruption. , 2018, 59, 6075.		11
39	The evolving role of neuroâ€immune interaction in brain repair after cerebral ischemic stroke. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 1100-1114.	3.9	81
40	The FoxM1-ABCC4 axis mediates carboplatin resistance in human retinoblastoma Y-79 cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 914-920.	2.0	34
41	Corosolic acid induces cell cycle arrest and cell apoptosis in human retinoblastoma Y-79 cells via disruption of MELK-FoxM1 signaling. <i>Oncology Reports</i> , 2018, 39, 2777-2786.	2.6	14
42	Paeoniflorin attenuates atRAL-induced oxidative stress, mitochondrial dysfunction and endoplasmic reticulum stress in retinal pigment epithelial cells via triggering Ca2+/CaMKII-dependent activation of AMPK. <i>Archives of Pharmacal Research</i> , 2018, 41, 1009-1018.	6.3	37
43	Characterization of canonical Wnt signalling changes after induced disruption of MÃ¼ller cell in murine retina. <i>Experimental Eye Research</i> , 2018, 175, 173-180.	2.6	9
44	Polyphyllin I Induces Cell Cycle Arrest and Cell Apoptosis in Human Retinoblastoma Y-79 Cells through Targeting p53. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 875-881.	1.7	16
45	Recent advance in the pharmacogenomics of human Solute Carrier Transporters (SLCs) in drug disposition. <i>Advanced Drug Delivery Reviews</i> , 2017, 116, 21-36.	13.7	61
46	Magnet guidance reduces misplacement of subclavian vein catheter in internal jugular vein. <i>Intensive Care Medicine</i> , 2017, 43, 711-712.	8.2	1
47	Puerarin inhibits amyloid Î²-induced NLRP3 inflammasome activation in retinal pigment epithelial cells via suppressing ROS-dependent oxidative and endoplasmic reticulum stresses. <i>Experimental Cell Research</i> , 2017, 357, 335-340.	2.6	56
48	Amyloid Î² induces NLRP3 inflammasome activation in retinal pigment epithelial cells via NADPH oxidaseâ€ and mitochondriaâ€dependent ROS production. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21887.	3.0	53
49	Neuroprotective effect of tetramethylpyrazine against all-trans-retinal toxicity in the differentiated Y-79 cells via upregulation of IRBP expression. <i>Experimental Cell Research</i> , 2017, 359, 120-128.	2.6	12
50	Effects of Ranibizumab and Aflibercept on Human MÃ¼ller Cells and Photoreceptors under Stress Conditions. <i>International Journal of Molecular Sciences</i> , 2017, 18, 533.	4.1	8
51	Neuroprotective Effect of Puerarin on Glutamate-Induced Cytotoxicity in Differentiated Y-79 Cells via Inhibition of ROS Generation and Ca2+ Influx. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1109.	4.1	20
52	Galectin-1 knockdown in carcinoma-associated fibroblasts inhibits migration and invasion of human MDA-MB-231 breast cancer cells by modulating MMP-9 expression. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 462-467.	2.0	32
53	Puerarin Protects Human Neuroblastoma SHâ€5Y5Y Cells against Glutamateâ€Induced Oxidative Stress and Mitochondrial Dysfunction. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 22-28.	3.0	25
54	The Role of N-Glycosylation in Maintaining the Transporter Activity and Expression of Human Oligopeptide Transporter 1. <i>Molecular Pharmaceutics</i> , 2016, 13, 3449-3456.	4.6	5

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55	FoxM1 inhibition enhances chemosensitivity of docetaxel-resistant A549 cells to docetaxel via activation of JNK/mitochondrial pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 804-809.	2.0	26
56	Platelet-derived growth factor-BB attenuates titanium-particle-induced osteolysis <i>in vivo</i> . <i>Growth Factors</i> , 2016, 34, 177-186.	1.7	4
57	Induction of oxidative and nitrosative stresses in human retinal pigment epithelial cells by all-trans-retinal. <i>Experimental Cell Research</i> , 2016, 348, 87-94.	2.6	24
58	Chloroquine and Hydroxychloroquine Are Novel Inhibitors of Human Organic Anion Transporting Polypeptide 1A2. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 884-890.	3.3	61
59	The inhibitory effects of camptothecin (CPT) and its derivatives on the substrate uptakes mediated by human solute carrier transporters (SLCs). <i>Xenobiotica</i> , 2016, 46, 831-840.	1.1	12
60	Dynamic contrast-enhanced MR in the diagnosis of lympho-associated benign and malignant lesions in the parotid gland. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150343.	2.7	15
61	Casein Kinase 2 Is a Novel Regulator of the Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) Trafficking. <i>Molecular Pharmaceutics</i> , 2016, 13, 144-154.	4.6	10
62	Human oligopeptide transporter 2 (PEPT2) mediates cellular uptake of polymyxins. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 403-412.	3.0	52
63	Gas1 Knockdown Increases the Neuroprotective Effect of Glial Cell-Derived Neurotrophic Factor Against Glutamate-Induced Cell Injury in Human SH-SY5Y Neuroblastoma Cells. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 603-611.	3.3	9
64	Human organic anion transporting polypeptide 1A2 (OATP1A2) mediates cellular uptake of all-trans-retinol in human retinal pigmented epithelial cells. <i>British Journal of Pharmacology</i> , 2015, 172, 2343-2353.	5.4	30
65	Dysregulation of interphotoreceptor retinoid-binding protein (IRBP) after induced Müller cell disruption. <i>Journal of Neurochemistry</i> , 2015, 133, 909-918.	3.9	10
66	Differential Expression of IL-6/gp130 Cytokines, Jak-STAT Signaling and Neuroprotection After Müller Cell Ablation in a Transgenic Mouse Model. , 2015, 56, 2151.		10
67	Ciliary neurotrophic factor protects SH-SY5Y neuroblastoma cells against A $\beta$ 1-42 -induced neurotoxicity via activating the JAK2/STAT3 axis. <i>Folia Neuropathologica</i> , 2015, 3, 226-235.	1.2	19
68	Tetramethylpyrazine Protects Retinal Capillary Endothelial Cells (TR-iBRB2) against IL-1 $\beta$ -Induced Nitrate/Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21775-21790.	4.1	26
69	The Altered Renal and Hepatic Expression of Solute Carrier Transporters (SLCs) in Type 1 Diabetic Mice. <i>PLoS ONE</i> , 2015, 10, e0120760.	2.5	13
70	Putative Transmembrane Domain 6 of the Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) Influences Transporter Substrate Binding, Protein Trafficking, and Quality Control. <i>Molecular Pharmaceutics</i> , 2015, 12, 111-119.	4.6	20
71	Profiling of MicroRNAs Involved in Retinal Degeneration Caused by Selective Müller Cell Ablation. <i>PLoS ONE</i> , 2015, 10, e0118949.	2.5	31
72	Original article Neuroprotective properties of ciliary neurotrophic factor on retinoic acid (RA)-predifferentiated SH-SY5Y neuroblastoma cells. <i>Folia Neuropathologica</i> , 2014, 2, 121-127.	1.2	8

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73	Interactions of the active components of <i>Punica granatum</i> (pomegranate) with the essential renal and hepatic human Solute Carrier transporters. <i>Pharmaceutical Biology</i> , 2014, 52, 1510-1517.	2.9	25
74	Interaction of the Bioactive Flavonol, Icaritin, with the Essential Human Solute Carrier Transporters. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 91-97.	3.0	19
75	Investigation of Gallic Acid Induced Anticancer Effect in Human Breast Carcinoma MCF7 Cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 387-393.	3.0	81
76	High level soluble expression, purification, and characterization of human ciliary neurotrophic factor in <i>Escherichia coli</i> by single protein production system. <i>Protein Expression and Purification</i> , 2014, 96, 8-13.	1.3	4
77	Protective Effect of Paeoniflorin on $\text{H}_2\text{O}_2$ -Induced SH-SY5Y Cell Injury by Preventing Mitochondrial Dysfunction. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 227-234.	3.3	90
78	Differential gene expression in Lin <sup>-</sup> /VEGF-R2 <sup>+</sup> bone marrow-derived endothelial progenitor cells isolated from diabetic mice. <i>Cardiovascular Diabetology</i> , 2014, 13, 42.	6.8	16
79	Effect of glucocorticoids on neuronal and vascular pathology in a transgenic model of selective M $\mu$ 4/11er cell ablation. <i>Glia</i> , 2014, 62, 1110-1124.	4.9	32
80	Ziyuglycoside II induces cell cycle arrest and apoptosis through activation of ROS/JNK pathway in human breast cancer cells. <i>Toxicology Letters</i> , 2014, 227, 65-73.	0.8	62
81	Ultrasensitive detection of microRNA with isothermal amplification and a time-resolved fluorescence sensor. <i>Biosensors and Bioelectronics</i> , 2014, 57, 91-95.	10.1	35
82	PDZK1 and NHERF1 Regulate the Function of Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) by Modulating Its Subcellular Trafficking and Stability. <i>PLoS ONE</i> , 2014, 9, e94712.	2.5	24
83	Radiological and clinical features of peripheral keratocystic odontogenic tumor. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 300-6.	1.3	12
84	The effect of puerarin against IL-1 $\beta$ -mediated leukostasis and apoptosis in retinal capillary endothelial cells (TR-IBRB2). <i>Molecular Vision</i> , 2014, 20, 1815-23.	1.1	25
85	Functional Analysis of Novel Polymorphisms in the Human SLCO1A2 Gene that Encodes the Transporter OATP1A2. <i>AAPS Journal</i> , 2013, 15, 1099-1108.	4.4	41
86	Isolation and characterization of mouse bone marrow-derived Lin <sup>+</sup> /VEGF-R2 <sup>+</sup> progenitor cells. <i>Annals of Hematology</i> , 2013, 92, 1461-1472.	1.8	5
87	The Inhibitory Effects of the Bioactive Components Isolated from <i>Scutellaria Baicalensis</i> on the Cellular Uptake Mediated by the Essential Solute Carrier Transporters. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4205-4211.	3.3	35
88	Involvement of NT3 and P75NTR in photoreceptor degeneration following selective M $\mu$ 4/11er cell ablation. <i>Journal of Neuroinflammation</i> , 2013, 10, 137.	7.2	35
89	Anti-Retinal Antibodies in Patients With Macular Telangiectasia Type 2. , 2013, 54, 5675.		19
90	Conditional M $\mu$ 4/11er Cell Ablation Causes Independent Neuronal and Vascular Pathologies in a Novel Transgenic Model. <i>Journal of Neuroscience</i> , 2012, 32, 15715-15727.	3.6	207

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91	Pilot Application of iTRAQ to the Retinal Disease Macular Telangiectasia. <i>Journal of Proteome Research</i> , 2012, 11, 537-553.	3.7	22
92	The role of glia in retinal vascular disease. <i>Australasian journal of optometry, The</i> , 2012, 95, 266-281.	1.3	107
93	Protein kinase C regulates the internalization and function of the human organic anion transporting polypeptide 1A2. <i>British Journal of Pharmacology</i> , 2011, 162, 1380-1388.	5.4	41
94	Tyrosine phosphorylation of VE-cadherin and claudin-5 is associated with TGF- $\beta$ 1-induced permeability of centrally derived vascular endothelium. <i>European Journal of Cell Biology</i> , 2011, 90, 323-332.	3.6	82
95	Functional characterization of nonsynonymous single nucleotide polymorphisms in the human organic anion transporter 4 (hOAT4). <i>British Journal of Pharmacology</i> , 2010, 159, 419-427.	5.4	34
96	Noncognate Mycobacterium tuberculosis Toxin-Antitoxins Can Physically and Functionally Interact. <i>Journal of Biological Chemistry</i> , 2010, 285, 39732-39738.	3.4	82
97	<i>Staphylococcus aureus</i> MazF Specifically Cleaves a Pentad Sequence, UACAU, Which Is Unusually Abundant in the mRNA for Pathogenic Adhesive Factor SraP. <i>Journal of Bacteriology</i> , 2009, 191, 3248-3255.	2.2	96
98	Bacterial toxin YafQ is an endoribonuclease that associates with the ribosome and blocks translation elongation through sequence-specific and frame-dependent mRNA cleavage. <i>Molecular Microbiology</i> , 2009, 71, 1071-1087.	2.5	142
99	Applications of Nucleic Acid Chaperone Activity of CspA and Its Homologues. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009, 17, 110-117.	1.0	8
100	The mRNA interferases, MazF $\Delta$ 3 and MazF $\Delta$ 7 from <i>Mycobacterium tuberculosis</i> target unique pentad sequences in single-stranded RNA. <i>Molecular Microbiology</i> , 2008, 69, 559-569.	2.5	95
101	Characterization of mRNA Interferases from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 18638-18643.	3.4	124
102	Characterization of ChpBK, an mRNA Interferase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 26080-26088.	3.4	103
103	Interference of mRNA Function by Sequence-specific Endoribonuclease PemK. <i>Journal of Biological Chemistry</i> , 2004, 279, 20678-20684.	3.4	117