

# Dah-Yuu Lu

## List of Publications by Year in descending order

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70  
papers

3,064  
citations

117625

34  
h-index

168389

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Docosahexaenoic Acid Suppresses Neuroinflammatory Responses and Induces Heme Oxygenase-1 Expression in BV-2 Microglia: Implications of Antidepressant Effects for Omega-3 Fatty Acids. <i>Neuropsychopharmacology</i> , 2010, 35, 2238-2248.	5.4	163
2	Ultrasound Stimulates Cyclooxygenase-2 Expression and Increases Bone Formation through Integrin, Focal Adhesion Kinase, Phosphatidylinositol 3-Kinase, and Akt Pathway in Osteoblasts. <i>Molecular Pharmacology</i> , 2006, 69, 2047-2057.	2.3	154
3	Inhibition of Hypoxia-Induced Increase of Blood-Brain Barrier Permeability by YC-1 through the Antagonism of HIF-1 $\alpha$ Accumulation and VEGF Expression. <i>Molecular Pharmacology</i> , 2007, 72, 440-449.	2.3	133
4	Berberine suppresses neuroinflammatory responses through AMP-activated protein kinase activation in BV-2 microglia. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 697-705.	2.6	124
5	SDF-1 $\alpha$ up-regulates interleukin-6 through CXCR4, PI3K/Akt, ERK, and NF- $\kappa$ B-dependent pathway in microglia. <i>European Journal of Pharmacology</i> , 2009, 613, 146-154.	3.5	119
6	Hypoxia-induced iNOS expression in microglia is regulated by the PI3-kinase/Akt/mTOR signaling pathway and activation of hypoxia inducible factor-1 $\alpha$ . <i>Biochemical Pharmacology</i> , 2006, 72, 992-1000.	4.4	99
7	Naringenin Suppresses Neuroinflammatory Responses Through Inducing Suppressor of Cytokine Signaling 3 Expression. <i>Molecular Neurobiology</i> , 2016, 53, 1080-1091.	4.0	97
8	Antineuroinflammatory effects of lycopene via activation of adenosine monophosphate-activated protein kinase-1/heme oxygenase-1 pathways. <i>Neurobiology of Aging</i> , 2014, 35, 191-202.	3.1	88
9	Leptin induces migration and invasion of glioma cells through MMP-13 production. <i>Glia</i> , 2009, 57, 454-464.	4.9	86
10	Regulatory Effects of Quercetin on M1/M2 Macrophage Polarization and Oxidative/Antioxidative Balance. <i>Nutrients</i> , 2022, 14, 67.	4.1	83
11	Wogonin Induces Reactive Oxygen Species Production and Cell Apoptosis in Human Glioma Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9877-9892.	4.1	81
12	Glial cell line-derived neurotrophic factor induces cell migration and matrix metalloproteinase-13 expression in glioma cells. <i>Biochemical Pharmacology</i> , 2010, 80, 1201-1209.	4.4	71
13	Ultrasound Induces Hypoxia-inducible Factor-1 Activation and Inducible Nitric-oxide Synthase Expression through the Integrin/Integrin-linked Kinase/Akt/Mammalian Target of Rapamycin Pathway in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2007, 282, 25406-25415.	3.4	69
14	Regulatory Effects of Caffeic Acid Phenethyl Ester on Neuroinflammation in Microglial Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5572-5589.	4.1	69
15	Hypoxia-induced matrix metalloproteinase-13 expression in astrocytes enhances permeability of brain endothelial cells. <i>Journal of Cellular Physiology</i> , 2009, 220, 163-173.	4.1	63
16	Osteopontin increases heme oxygenase-1 expression and subsequently induces cell migration and invasion in glioma cells. <i>Neuro-Oncology</i> , 2012, 14, 1367-1378.	1.2	62
17	Mesenchymal Stem Cell-Induced Doxorubicin Resistance in Triple Negative Breast Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	62
18	Peptidoglycan induces interleukin-6 expression through the TLR2 receptor, JNK, c-Jun, and AP-1 pathways in microglia. <i>Journal of Cellular Physiology</i> , 2011, 226, 1573-1582.	4.1	60

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19	Ghrelin induces cell migration through GHS-R, CaMKII, AMPK, and NF- $\kappa$ B signaling pathway in glioma cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2931-2941.	2.6	57
20	Berberine induces heme oxygenase-1 up-regulation through phosphatidylinositol 3-kinase/AKT and NF-E2-related factor-2 signaling pathway in astrocytes. <i>International Immunopharmacology</i> , 2012, 12, 94-100.	3.8	56
21	Bradykinin-induced cell migration and COX-2 production mediated by the bradykinin B1 receptor in glioma cells. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 141-150.	2.6	55
22	Anti-Neuroinflammatory Effects of the Calcium Channel Blocker Nicardipine on Microglial Cells: Implications for Neuroprotection. <i>PLoS ONE</i> , 2014, 9, e91167.	2.5	54
23	Regulatory Effects of Neuroinflammatory Responses Through Brain-Derived Neurotrophic Factor Signaling in Microglial Cells. <i>Molecular Neurobiology</i> , 2018, 55, 7487-7499.	4.0	53
24	Peptidoglycan enhances proinflammatory cytokine expression through the TLR2 receptor, MyD88, phosphatidylinositol 3-kinase/AKT and NF-kappaB pathways in BV-2 microglia. <i>International Immunopharmacology</i> , 2010, 10, 883-891.	3.8	49
25	Desipramine Protects Neuronal Cell Death and Induces Heme Oxygenase-1 Expression in Mes23.5 Dopaminergic Neurons. <i>PLoS ONE</i> , 2012, 7, e50138.	2.5	45
26	Effects of Paeonol on Anti-Neuroinflammatory Responses in Microglial Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8844-8860.	4.1	45
27	Characterization of a novel adult murine immortalized microglial cell line and its activation by amyloid-beta. <i>Journal of Neuroinflammation</i> , 2016, 13, 21.	7.2	44
28	A forward loop between glioma and microglia: Glioma-derived extracellular matrix-activated microglia secrete IL-18 to enhance the migration of glioma cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 558-568.	4.1	43
29	Ceramide and Toll-Like Receptor 4 Are Mobilized into Membrane Rafts in Response to Helicobacter pylori Infection in Gastric Epithelial Cells. <i>Infection and Immunity</i> , 2012, 80, 1823-1833.	2.2	42
30	Regulatory Effects of Fisetin on Microglial Activation. <i>Molecules</i> , 2014, 19, 8820-8839.	3.8	42
31	GDNF increases cell motility in human colon cancer through VEGF-VEGFR1 interaction. <i>Endocrine-Related Cancer</i> , 2014, 21, 73-84.	3.1	40
32	Fisetin inhibits cell migration via inducing HO-1 and reducing MMPs expression in breast cancer cell lines. <i>Food and Chemical Toxicology</i> , 2018, 120, 528-535.	3.6	39
33	The novel phloroglucinol derivative BFP induces apoptosis of glioma cancer through reactive oxygen species and endoplasmic reticulum stress pathways. <i>Phytomedicine</i> , 2012, 19, 1093-1100.	5.3	38
34	Phloroglucinol derivative MCPP induces cell apoptosis in human colon cancer. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 643-652.	2.6	37
35	Glial cell line-derived neurotrophic factor induces cell migration in human oral squamous cell carcinoma. <i>Oral Oncology</i> , 2013, 49, 1103-1112.	1.5	35
36	Interferon- $\gamma$ induces nitric oxide synthase expression and haem oxygenase-1 down-regulation in microglia: implications of cellular mechanism of IFN- $\gamma$ -induced depression. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 433-444.	2.1	33

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37	Resistin protects against 6- <i>hydroxydopamine</i> -induced cell death in dopaminergic-like MES23.5 cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 563-571.	4.1	32
38	Inhibition of estrogen receptor reduces connexin 43 expression in breast cancers. <i>Toxicology and Applied Pharmacology</i> , 2018, 338, 182-190.	2.8	32
39	Glial cell-derived neurotrophic factor increases migration of human chondrosarcoma cells via ERK and NF- $\kappa$ B pathways. <i>Journal of Cellular Physiology</i> , 2009, 220, 499-507.	4.1	31
40	Anti-neuroinflammatory Effect of a Novel Caffeamide Derivative, KS370G, in Microglial cells. <i>Molecular Neurobiology</i> , 2013, 48, 863-874.	4.0	30
41	Melatonin Modulates the Microenvironment of Glioblastoma Multiforme by Targeting Sirtuin 1. <i>Nutrients</i> , 2019, 11, 1343.	4.1	29
42	Differential Characterization of Temozolomide-Resistant Human Glioma Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 127.	4.1	28
43	Migration-prone glioma cells show curcumin resistance associated with enhanced expression of miR-21 and invasion/anti-apoptosis-related proteins. <i>Oncotarget</i> , 2015, 6, 37770-37781.	1.8	27
44	Lumbrokinase attenuates myocardial ischemia-reperfusion injury by inhibiting TLR4 signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 99, 113-122.	1.9	26
45	Interaction of inflammatory and anti-inflammatory responses in microglia by <i>Staphylococcus aureus</i> -derived lipoteichoic acid. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 43-50.	2.8	25
46	Bradykinin B1 receptor contributes to interleukin-8 production and glioblastoma migration through interaction of STAT3 and SP-1. <i>Neuropharmacology</i> , 2019, 144, 143-154.	4.1	25
47	Regulatory effects of IL-1 $\beta$ in the interaction of GBM and tumor-associated monocyte through VCAM-1 and ICAM-1. <i>European Journal of Pharmacology</i> , 2021, 905, 174216.	3.5	24
48	Osthole Suppresses the Migratory Ability of Human Glioblastoma Multiforme Cells via Inhibition of Focal Adhesion Kinase-Mediated Matrix Metalloproteinase-13 Expression. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3889-3903.	4.1	23
49	Curcumin Promotes Connexin 43 Degradation and Temozolomide-Induced Apoptosis in Glioblastoma Cells. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 657-674.	3.8	23
50	<i>Helicobacter pylori</i> attenuates lipopolysaccharide-induced nitric oxide production by murine macrophages. <i>Innate Immunity</i> , 2012, 18, 406-417.	2.4	18
51	Exogenous endothelin-1 induces cell migration and matrix metalloproteinase expression in U251 human glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2014, 118, 257-269.	2.9	18
52	EGFR is a pivotal regulator of thrombin-mediated inflammation in primary human nucleus pulposus culture. <i>Scientific Reports</i> , 2017, 7, 8578.	3.3	18
53	CAIX Regulates GBM Motility and TAM Adhesion and Polarization through EGFR/STAT3 under Hypoxic Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5838.	4.1	17
54	SIRT1 activation by minocycline on regulation of microglial polarization homeostasis. <i>Aging</i> , 2020, 12, 17990-18007.	3.1	17

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55	Cobalt Protoporphyrin Upregulates Cyclooxygenase-2 Expression Through a Heme Oxygenase-Independent Mechanism. <i>Molecular Neurobiology</i> , 2016, 53, 4497-4508.	4.0	16
56	Pro-Inflammatory Stimuli Influence Expression of Intercellular Adhesion Molecule 1 in Human Anulus Fibrosus Cells through FAK/ERK/GSK3 and PKC $\gamma$ Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 77.	4.1	14
57	Monocarboxylate Transporter 4 Regulates Glioblastoma Motility and Monocyte Binding Ability. <i>Cancers</i> , 2020, 12, 380.	3.7	14
58	Porphyromonas gingivalis Induces Proinflammatory Cytokine Expression Leading to Apoptotic Death through the Oxidative Stress/NF- $\kappa$ B Pathway in Brain Endothelial Cells. <i>Cells</i> , 2021, 10, 3033.	4.1	13
59	Integrin-linked kinase is involved in TNF $\alpha$ -induced inducible nitric oxide synthase expression in myoblasts. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 1244-1253.	2.6	11
60	Interlukin-18 Is a Pivot Regulatory Factor on Matrix Metalloproteinase-13 Expression and Brain Astrocytic Migration. <i>Molecular Neurobiology</i> , 2016, 53, 6218-6227.	4.0	11
61	Electroacupuncture Reduces Cocaine-Induced Seizures and Mortality in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	1.2	10
62	Paliperidone Inhibits Glioblastoma Growth in Mouse Brain Tumor Model and Reduces PD-L1 Expression. <i>Cancers</i> , 2021, 13, 4357.	3.7	8
63	SUMO E3 ligase PIAS1 is a potential biomarker indicating stress susceptibility. <i>Psychoneuroendocrinology</i> , 2020, 120, 104800.	2.7	7
64	Fenofibrate inhibits hypoxia-inducible factor-1 $\alpha$ and carbonic anhydrase expression through activation of AMP-activated protein kinase/HO-1/Sirt1 pathway in glioblastoma cells. <i>Environmental Toxicology</i> , 2021, 36, 2551-2561.	4.0	7
65	Electroacupuncture improves repeated social defeat stress-elicited social avoidance and anxiety-like behaviors by reducing Lipocalin-2 in the hippocampus. <i>Molecular Brain</i> , 2021, 14, 150.	2.6	7
66	Targeted Ubiquitin-Proteasomal Proteolysis Pathway in Chronic Social Defeat Stress. <i>Journal of Proteome Research</i> , 2019, 18, 182-190.	3.7	5
67	2, 3, 5, 4 <sup>TM</sup> -tetrahydroxystilbene-2-O-beta-D-glucoside protects against neuronal cell death and traumatic brain injury-induced pathophysiology. <i>Aging</i> , 2022, 14, 2607-2627.	3.1	5
68	Deficiency in Androgen Receptor Aggravates Traumatic Brain Injury-Induced Pathophysiology and Motor Deficits in Mice. <i>Molecules</i> , 2021, 26, 6250.	3.8	3
69	The Establishment of a Noninvasive Bioluminescence-Specific Viral Encephalitis Model by Pseudorabies Virus-Infected NF- $\kappa$ Bp-Luciferase Mice. <i>Veterinary Sciences</i> , 2022, 9, 113.	1.7	0
70	2,3,5,4 <sup>2</sup> -Tetrahydroxystilbene-2-O- $\beta$ -glucoside Attenuates Reactive Oxygen Species-Dependent Inflammation and Apoptosis in Porphyromonas gingivalis-Infected Brain Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 740.	5.1	0