

# Hsi-Lung Hsieh

## List of Publications by Citations

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76  
papers

2,764  
citations

35  
h-index

50  
g-index

81  
ext. papers

3,049  
ext. citations

6.2  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
76	Role of redox signaling in neuroinflammation and neurodegenerative diseases. <i>BioMed Research International</i> , <b>2013</b> , 2013, 484613	3	239
75	Transforming growth factor- $\beta$ 1 induces matrix metalloproteinase-9 and cell migration in astrocytes: roles of ROS-dependent ERK- and JNK-NF- $\kappa$ B pathways. <i>Journal of Neuroinflammation</i> , <b>2010</b> , 7, 88	10.1	127
74	Involvement of p42/p44 MAPK, p38 MAPK, JNK and nuclear factor-kappa B in interleukin-1beta-induced matrix metalloproteinase-9 expression in rat brain astrocytes. <i>Journal of Neurochemistry</i> , <b>2004</b> , 90, 1477-88	6	119
73	Bradykinin induces matrix metalloproteinase-9 expression and cell migration through a PKC-delta-dependent ERK/Elk-1 pathway in astrocytes. <i>Glia</i> , <b>2008</b> , 56, 619-32	9	84
72	Enterovirus 71 induces COX-2 expression via MAPKs, NF-kappaB, and AP-1 in SK-N-SH cells: Role of PGE(2) in viral replication. <i>Cellular Signalling</i> , <b>2010</b> , 22, 234-46	4.9	73
71	IL-1 beta promotes A549 cell migration via MAPKs/AP-1- and NF-kappaB-dependent matrix metalloproteinase-9 expression. <i>Cellular Signalling</i> , <b>2009</b> , 21, 1652-62	4.9	69
70	IL-1beta induces MMP-9 expression via a Ca <sup>2+</sup> -dependent CaMKII/JNK/c-JUN cascade in rat brain astrocytes. <i>Glia</i> , <b>2009</b> , 57, 1775-89	9	64
69	Interleukin-1beta induces ICAM-1 expression enhancing leukocyte adhesion in human rheumatoid arthritis synovial fibroblasts: involvement of ERK, JNK, AP-1, and NF-kappaB. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 224, 516-26	7	63
68	BK-induced COX-2 expression via PKC-delta-dependent activation of p42/p44 MAPK and NF-kappaB in astrocytes. <i>Cellular Signalling</i> , <b>2007</b> , 19, 330-40	4.9	63
67	Sphingosine-1-phosphate induces COX-2 expression via PI3K/Akt and p42/p44 MAPK pathways in rat vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 207, 757-66	7	61
66	Intracellular signalings underlying bradykinin-induced matrix metalloproteinase-9 expression in rat brain astrocyte-1. <i>Cellular Signalling</i> , <b>2004</b> , 16, 1163-76	4.9	61
65	IL-1beta induces expression of matrix metalloproteinase-9 and cell migration via a c-Src-dependent, growth factor receptor transactivation in A549 cells. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 1595-610	8.6	58
64	Enterovirus 71 induces integrin $\beta$ 1/EGFR-Rac1-dependent oxidative stress in SK-N-SH cells: role of HO-1/CO in viral replication. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 3316-29	7	57
63	PKC-delta/c-Src-mediated EGF receptor transactivation regulates thrombin-induced COX-2 expression and PGE(2) production in rat vascular smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2008</b> , 1783, 1563-75	4.9	57
62	Reactive Oxygen Species-Dependent c-Fos/Activator Protein 1 Induction Upregulates Heme Oxygenase-1 Expression by Bradykinin in Brain Astrocytes. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 1829-44	8.4	56
61	NADPH oxidase 2-derived reactive oxygen species signal contributes to bradykinin-induced matrix metalloproteinase-9 expression and cell migration in brain astrocytes. <i>Cell Communication and Signaling</i> , <b>2012</b> , 10, 35	7.5	51
60	Involvement of MAPKs and NF-kappaB in tumor necrosis factor alpha-induced vascular cell adhesion molecule 1 expression in human rheumatoid arthritis synovial fibroblasts. <i>Arthritis and Rheumatism</i> , <b>2010</b> , 62, 105-16		51

59	Tumor necrosis factor-alpha induces MMP-9 expression via p42/p44 MAPK, JNK, and nuclear factor-kappaB in A549 cells. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 229, 386-98	4.6	51
58	Cigarette smoke extract induces cytosolic phospholipase A2 expression via NADPH oxidase, MAPKs, AP-1, and NF-kappaB in human tracheal smooth muscle cells. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 948-60	7.8	50
57	IL-1 beta induces urokinase-plasminogen activator expression and cell migration through PKC alpha, JNK1/2, and NF-kappaB in A549 cells. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 219, 183-93	7	49
56	NADPH oxidase-mediated redox signal contributes to lipoteichoic acid-induced MMP-9 upregulation in brain astrocytes. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 110	10.1	48
55	Oxidized low-density lipoprotein induces matrix metalloproteinase-9 expression via a p42/p44 and JNK-dependent AP-1 pathway in brain astrocytes. <i>Glia</i> , <b>2009</b> , 57, 24-38	9	48
54	PI3-K/Akt/JNK/NF-B is essential for MMP-9 expression and outgrowth in human limbal epithelial cells on intact amniotic membrane. <i>Stem Cell Research</i> , <b>2012</b> , 9, 9-23	1.6	47
53	Nitric oxide production by endothelin-1 enhances astrocytic migration via the tyrosine nitration of matrix metalloproteinase-9. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 2244-56	7	47
52	EV71 induces COX-2 expression via c-Src/PDGFR/PI3K/Akt/p42/p44 MAPK/AP-1 and NF-kappaB in rat brain astrocytes. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 224, 376-86	7	47
51	Up-regulation of COX-2/PGE2 by endothelin-1 via MAPK-dependent NF-B pathway in mouse brain microvascular endothelial cells. <i>Cell Communication and Signaling</i> , <b>2013</b> , 11, 8	7.5	46
50	Thrombin induces EGF receptor expression and cell proliferation via a PKC(delta)/c-Src-dependent pathway in vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1594-601	9.4	46
49	IL-1 beta induces proMMP-9 expression via c-Src-dependent PDGFR/PI3K/Akt/p300 cascade in rat brain astrocytes. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 1499-512	6	46
48	Sphingosine 1-phosphate induces EGFR expression via Akt/NF-kappaB and ERK/AP-1 pathways in rat vascular smooth muscle cells. <i>Journal of Cellular Biochemistry</i> , <b>2008</b> , 103, 1732-46	4.7	46
47	c-Src-dependent EGF receptor transactivation contributes to ET-1-induced COX-2 expression in brain microvascular endothelial cells. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 152	10.1	45
46	Japanese encephalitis virus induces matrix metalloproteinase-9 in rat brain astrocytes via NF-B signalling dependent on MAPKs and reactive oxygen species. <i>British Journal of Pharmacology</i> , <b>2010</b> , 161, 1566-83	8.6	44
45	Bradykinin-induced p42/p44 MAPK phosphorylation and cell proliferation via Src, EGF receptors, and PI3-K/Akt in vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 203, 538-46	7	43
44	TNF- $\alpha$ induces matrix metalloproteinase-9-dependent soluble intercellular adhesion molecule-1 release via TRAF2-mediated MAPKs and NF-B activation in osteoblast-like MC3T3-E1 cells. <i>Journal of Biomedical Science</i> , <b>2014</b> , 21, 12	13.3	42
43	BK-induced cytosolic phospholipase A2 expression via sequential PKC-delta, p42/p44 MAPK, and NF-kappaB activation in rat brain astrocytes. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 206, 246-54	7	42
42	Enterovirus 71 modulates a COX-2/PGE2/cAMP-dependent viral replication in human neuroblastoma cells: role of the c-Src/EGFR/p42/p44 MAPK/CREB signaling pathway. <i>Journal of Cellular Biochemistry</i> , <b>2011</b> , 112, 559-70	4.7	39

41	IL-1 $\beta$ Induces MMP-9-Dependent Brain Astrocytic Migration via Transactivation of PDGF Receptor/NADPH Oxidase 2-Derived Reactive Oxygen Species Signals. <i>Molecular Neurobiology</i> , <b>2015</b> , 52, 303-17	6.2	29
40	Calmodulin kinase II-dependent transactivation of PDGF receptors mediates astrocytic MMP-9 expression and cell motility induced by lipoteichoic acid. <i>Journal of Neuroinflammation</i> , <b>2010</b> , 7, 84	10.1	29
39	High-Glucose-Derived Oxidative Stress-Dependent Heme Oxygenase-1 Expression from Astrocytes Contributes to the Neuronal Apoptosis. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 470-483	6.2	27
38	Cigarette smoke extract induces HO-1 expression in mouse cerebral vascular endothelial cells: involvement of c-Src/NADPH oxidase/PDGFR/JAK2/STAT3 pathway. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 225, 741-50	7	26
37	Dehydroepiandrosterone sulfate inhibition of catecholamine secretion from bovine adrenal chromaffin cells. <i>Neuroscience Letters</i> , <b>1996</b> , 204, 181-4	3.3	26
36	Multiple factors from bradykinin-challenged astrocytes contribute to the neuronal apoptosis: involvement of astroglial ROS, MMP-9, and HO-1/CO system. <i>Molecular Neurobiology</i> , <b>2013</b> , 47, 1020-33	6.2	25
35	Cytosolic phospholipase A2 induction and prostaglandin E2 release by interleukin-1 $\beta$ via the myeloid differentiation factor 88-dependent pathway and cooperation of p300, Akt, and NF- $\kappa$ B activity in human rheumatoid arthritis synovial fibroblasts. <i>Arthritis and Rheumatism</i> , <b>2011</b> , 63, 2905-17		25
34	C-Src/Jak2/PDGFR/PKC $\delta$ -dependent MMP-9 induction is required for thrombin-stimulated rat brain astrocytes migration. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 658-72	6.2	24
33	Up-regulation of ROS-dependent matrix metalloproteinase-9 from high-glucose-challenged astrocytes contributes to the neuronal apoptosis. <i>Molecular Neurobiology</i> , <b>2014</b> , 50, 520-33	6.2	24
32	EV71 induces VCAM-1 expression via PDGF receptor, PI3-K/Akt, p38 MAPK, JNK and NF-kappaB in vascular smooth muscle cells. <i>Cellular Signalling</i> , <b>2007</b> , 19, 2127-37	4.9	24
31	Thrombin mediates migration of rat brain astrocytes via PLC, Ca $^{2+}$ , CaMKII, PKC $\delta$ and AP-1-dependent matrix metalloproteinase-9 expression. <i>Molecular Neurobiology</i> , <b>2013</b> , 48, 616-30	6.2	23
30	c-Src-dependent transactivation of EGFR mediates CORM-2-induced HO-1 expression in human tracheal smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 2351-61	7	23
29	Oxidized low-density lipoprotein-induced matrix metalloproteinase-9 expression via PKC-delta/p42/p44 MAPK/Elk-1 cascade in brain astrocytes. <i>Neurotoxicity Research</i> , <b>2010</b> , 17, 50-65	4.3	23
28	Lipoteichoic acid induces matrix metalloproteinase-9 expression via transactivation of PDGF receptors and NF-kappaB activation in rat brain astrocytes. <i>Neurotoxicity Research</i> , <b>2010</b> , 17, 344-59	4.3	23
27	Tumor progression-dependent angiogenesis in gastric cancer and its potential application. <i>World Journal of Gastrointestinal Oncology</i> , <b>2019</b> , 11, 686-704	3.4	21
26	Evaluation of Anti-Inflammatory Effects of Helminthostachys zeylanica Extracts via Inhibiting Bradykinin-Induced MMP-9 Expression in Brain Astrocytes. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 5995-6005	6.2	20
25	TLR4-dependent induction of vascular adhesion molecule-1 in rheumatoid arthritis synovial fibroblasts: Roles of cytosolic phospholipase A(2)alpha/cyclooxygenase-2. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 223, 480-91	7	20
24	High glucose induces reactive oxygen species-dependent matrix metalloproteinase-9 expression and cell migration in brain astrocytes. <i>Molecular Neurobiology</i> , <b>2013</b> , 48, 601-14	6.2	19

23	Endothelin-1 enhances cell migration via matrix metalloproteinase-9 up-regulation in brain astrocytes. <i>Journal of Neurochemistry</i> , <b>2010</b> , 113, 1133-49	6	19
22	Upregulation of COX-2/PGE2 by ET-1 mediated through Ca <sup>2+</sup> -dependent signals in mouse brain microvascular endothelial cells. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 1256-69	6.2	16
21	PAR1-dependent COX-2/PGE2 production contributes to cell proliferation via EP2 receptors in primary human cardiomyocytes. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 4504-19	8.6	14
20	Astragaloside IV suppresses inflammatory response via suppression of NF- $\kappa$ B, and MAPK signalling in human bronchial epithelial cells. <i>Archives of Physiology and Biochemistry</i> , <b>2020</b> , 1-10	2.2	12
19	Protein kinase C-delta transactivates platelet-derived growth factor receptor-alpha in mechanical strain-induced collagenase 3 (matrix metalloproteinase-13) expression by osteoblast-like cells. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 26040-50	5.4	11
18	Dehydroepiandrosterone sulfate (DHEAS) suppresses P2X purinoceptor-coupled responses in PC12 cells. <i>Neurochemistry International</i> , <b>2001</b> , 39, 193-8	4.4	11
17	Novel laminin 5 gamma 2-chain fragments potentiating the limbal epithelial cell outgrowth on amniotic membrane <b>2009</b> , 50, 4631-9		9
16	Palbociclib induces DNA damage and inhibits DNA repair to induce cellular senescence and apoptosis in oral squamous cell carcinoma. <i>Journal of the Formosan Medical Association</i> , <b>2021</b> , 120, 1695-1705	3.7	8
15	DEK Is a Potential Biomarker Associated with Malignant Phenotype in Gastric Cancer Tissues and Plasma. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
14	Rottlerin, a natural polyphenol compound, inhibits upregulation of matrix metalloproteinase-9 and brain astrocytic migration by reducing PKC-dependent ROS signal. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 177	10.1	7
13	H NMR-Based Isolation of Anti-Inflammatory 9,11-Secosteroids from the Octocoral. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	6
12	Neuroprotective Effects of Dehydroepiandrosterone Sulfate Through Inhibiting Expression of Matrix Metalloproteinase-9 From Bradykinin-Challenged Astroglia. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 736-747	6.2	5
11	Lophatherum gracile Brongn. attenuates neutrophilic inflammation through inhibition of JNK and calcium. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 264, 113224	5	5
10	BK Induces cPLA2 Expression via an Autocrine Loop Involving COX-2-Derived PGE2 in Rat Brain Astrocytes. <i>Molecular Neurobiology</i> , <b>2015</b> , 51, 1103-15	6.2	4
9	The COX-2-derived PGE autocrine contributes to bradykinin-induced matrix metalloproteinase-9 expression and astrocytic migration via STAT3 signaling. <i>Cell Communication and Signaling</i> , <b>2020</b> , 18, 185	7.5	3
8	Bradykinin, as a Reprogramming Factor, Induces Transdifferentiation of Brain Astrocytes into Neuron-like Cells. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2
7	Brain Protective Effect of Resveratrol via Ameliorating Interleukin-1 $\beta$ -Induced MMP-9-Mediated Disruption of ZO-1 Arranged Integrity. <i>Biomedicines</i> , <b>2022</b> , 10, 1270	4.8	2
6	Induced pluripotent stem cells can improve thrombolytic effect of low-dose rt-PA after acute carotid thrombosis in rat. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 549	8.3	1

5	Upregulation of miR-210-5p impairs dead cell clearance by macrophages through the inhibition of Sp1-and HSCARG-dependent NADPH oxidase pathway. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 172, 441-450	7.8	1
4	Quercetin exerts anti-inflammatory effects inhibiting tumor necrosis factor- $\beta$ -induced matrix metalloproteinase-9 expression in normal human gastric epithelial cells.. <i>World Journal of Gastroenterology</i> , <b>2022</b> , 28, 1139-1158	5.6	1
3	Roles of Heme Oxygenase-1 in Neuroinflammation and Brain Disorders. <i>Antioxidants</i> , <b>2022</b> , 11, 923	7.1	1
2	Expression of tissue factor and TF-mediated integrin regulation in HTR-8/SVneo trophoblast cells.. <i>Journal of Reproductive Immunology</i> , <b>2022</b> , 150, 103473	4.2	0
1	The survival outcome of nasopharyngeal cancer patients with traditional Chinese medicine external use: A hospital-based study. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 279, 114380	5	0