Won-Ha Lee

List of Publications by Year
in descending order

120 papers	5,448 citations	71102 41 h-index	91884 69 g-index
121 all docs	121 docs citations	121 times ranked	7773 citing authors

#	Article	IF	Citations
1	Satellite glia as a critical component of diabetic neuropathy: Role of lipocalinâ€2 and pyruvate dehydrogenase kinaseâ€2 axis in the dorsal root ganglion. Glia, 2021, 69, 971-996.	4.9	17
2	Lipocalin-2 in Diabetic Complications of the Nervous System: Physiology, Pathology, and Beyond. Frontiers in Physiology, 2021, 12, 638112.	2.8	17
3	Mitochondrial dysfunction regulates the JAKâ€“STAT pathway via LKB1-mediated AMPK activation ER-stress-independent manner. Biochemistry and Cell Biology, 2020, 98, 137-144.	2.0	11
4	Interrogation of kinase genetic interactions provides a global view of PAK1-mediated signal transduction pathways. Journal of Biological Chemistry, 2020, 295, 16906-16919.	3.4	4
5	Microglia Gone Awry: Linking Immunometabolism to Neurodegeneration. Frontiers in Cellular Neuroscience, 2020, 14, 246.	3.7	30
6	Yeast-Based Genetic Interaction Analysis of Human Kinome. Cells, 2020, 9, 1156.	4.1	5
7	Proteomic examination of the neuroglial secretome: lessons for the clinic. Expert Review of Proteomics, 2020, 17, 207-220.	3.0	4
8	LETMD1 Regulates Phagocytosis and Inflammatory Responses to Lipopolysaccharide via Reactive Oxygen Species Generation and NF-ÎºB Activation in Macrophages. Journal of Immunology, 2020, 204, 1299-1309.	0.8	9
9	Axon Guidance Molecules Guiding Neuroinflammation. Experimental Neurobiology, 2019, 28, 311-319.	1.6	38
10	Paradoxical role of lipocalin-2 in metabolic disorders and neurological complications. Biochemical Pharmacology, 2019, 169, 113626.	4.4	29
11	A Bcr-Abl Inhibitor GNF-2 Attenuates Inflammatory Activation of Glia and Chronic Pain. Frontiers in Pharmacology, 2019, 10, 543.	3.5	16
12	Reverse Signaling of Tumor Necrosis Factor Superfamily Proteins in Macrophages and Microglia: Superfamily Portrait in the Neuroimmune Interface. Frontiers in Immunology, 2019, 10, 262.	4.8	25
13	ER stress differentially affects proâ€inflammatory changes induced by mitochondrial dysfunction in the human monocytic leukemia cell line, THPâ€1. Cell Biology International, 2019, 43, 313-322.	3.0	7
14	Hypothalamic inflammation and malfunctioning glia in the pathophysiology of obesity and diabetes: Translational significance. Biochemical Pharmacology, 2018, 153, 123-133.	4.4	36
15	Functional dissection of astrocyte-secreted proteins: Implications in brain health and diseases. Progress in Neurobiology, 2018, 162, 37-69.	5.7	111
16	Optogenetics of the Spinal Cord: Use of Channelrhodopsin Proteins for Interrogation of Spinal Cord Circuits. Current Protein and Peptide Science, 2018, 19, 714-724.	1.4	3
17	Sodium azide suppresses LPS-induced expression MCP-1 through regulating ÎºBÎ¶ and STAT1 activities in macrophages. Cellular Immunology, 2017, 315, 64-70.	3.0	9
18	Astrocyteâ€derived lipocalinâ€2 mediates hippocampal damage and cognitive deficits in experimental models of vascular dementia. Glia, 2017, 65, 1471-1490.	4.9	119

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19	Crosstalk between signals initiated from TLR4 and cell surface BAFF results in synergistic induction of proinflammatory mediators in THP-1 cells. Scientific Reports, 2017, 7, 45826.	3.3	12
20	Pyruvate dehydrogenase kinase 2 and 4 gene deficiency attenuates nociceptive behaviors in a mouse model of acute inflammatory pain. Journal of Neuroscience Research, 2016, 94, 837-849.	2.9	11
21	Functional polarization of neuroglia: Implications in neuroinflammation and neurological disorders. Biochemical Pharmacology, 2016, 103, 1-16.	4.4	207
22	Metabolic Control of Glia-Mediated Neuroinflammation. Current Alzheimer Research, 2016, 13, 387-402.	1.4	12
23	Fermented bitter gourd extract differentially regulates lipopolysaccharide-induced cytokine gene expression through nuclear factor-Î¹B and interferon regulatory factor-1. Animal Cells and Systems, 2015, 19, 194-200.	2.2	2
24	Activation of lymphotoxin-beta receptor enhances the LPS-induced expression of IL-8 through NF-Î¹B and IRF-1. Immunology Letters, 2015, 165, 63-69.	2.5	6
25	Fascin Regulates TLR4/PKC-mediated Translational Activation Through miR-155 and miR-125b, which Targets the 3â€² Untranslated Region of TNF-Î± mRNA. Immunological Investigations, 2015, 44, 309-320.	2.0	9
26	Myristoylated alanine-rich C kinase substrate (MARCKS) regulates the expression of proinflammatory cytokines in macrophages through activation of p38/JNK MAPK and NF-Î¹B. Cellular Immunology, 2015, 296, 115-121.	3.0	26
27	RNAi-based functional selection identifies novel cell migration determinants dependent on PI3K and AKT pathways. Nature Communications, 2014, 5, 5217.	12.8	24
28	Lipocalin-2 Protein Deficiency Ameliorates Experimental Autoimmune Encephalomyelitis. Journal of Biological Chemistry, 2014, 289, 16773-16789.	3.4	116
29	The pivotal role played by lipocalin-2 in chronic inflammatory pain. Experimental Neurology, 2014, 254, 41-53.	4.1	51
30	Natural Flavone Jaceosidin is a Neuroinflammation Inhibitor. Phytotherapy Research, 2013, 27, 404-411.	5.8	29
31	SHPS-1 and a synthetic peptide representing its ITIM inhibit the MyD88, but not TRIF, pathway of TLR signaling through activation of SHP and PI3K in THP-1 cells. Inflammation Research, 2013, 62, 377-386.	4.0	8
32	Stimulation of CD107 affects LPS-induced cytokine secretion and cellular adhesion through the ERK signaling pathway in the human macrophage-like cell line, THP-1. Cellular Immunology, 2013, 281, 122-128.	3.0	12
33	Secreted protein lipocalinâ€2 promotes microglial M1 polarization. FASEB Journal, 2013, 27, 1176-1190.	0.5	159
34	Reverse signaling from LIGHT promotes pro-inflammatory responses in the human monocytic leukemia cell line, THP-1. Cellular Immunology, 2013, 285, 10-17.	3.0	15
35	Phenotypic Polarization of Activated Astrocytes: The Critical Role of Lipocalin-2 in the Classical Inflammatory Activation of Astrocytes. Journal of Immunology, 2013, 191, 5204-5219.	0.8	170
36	Role of Lipocalin-2-Chemokine Axis in the Development of Neuropathic Pain following Peripheral Nerve Injury. Journal of Biological Chemistry, 2013, 288, 24116-24127.	3.4	43

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37	Acute Phase Protein Lipocalin-2 Is Associated with Formalin-induced Nociception and Pathological Pain. Immune Network, 2013, 13, 289.	3.6	18
38	Lipocalin-type Prostaglandin D2 Synthase Protein Regulates Glial Cell Migration and Morphology through Myristoylated Alanine-rich C-Kinase Substrate. Journal of Biological Chemistry, 2012, 287, 9414-9428.	3.4	34
39	Seroprevalence of subtype H3 influenza A virus in South Korean cats. Journal of Feline Medicine and Surgery, 2012, 14, 746-750.	1.6	7
40	Synthetic Peptides Containing ITIM-Like Domains Block Expression of Inflammatory Mediators and Migration/Invasion of Cancer Cells Through Activation of SHP-1 and PI3K. Cancer Investigation, 2012, 30, 364-371.	1.3	3
41	Microglia-inhibiting activity of Parkinson's disease drug amantadine. Neurobiology of Aging, 2012, 33, 2145-2159.	3.1	48
42	The role of Roquin overexpression in the modulation of signaling during in vitro and ex vivo T-cell activation. Biochemical and Biophysical Research Communications, 2012, 417, 280-286.	2.1	11
43	A novel derivative of decursin, CSLâ€32, blocks migration and production of inflammatory mediators and modulates PI3K and NFâ€ÎºB activities in HT1080 cells. Cell Biology International, 2012, 36, 683-688.	3.0	13
44	A novel vaccine combined with an alum adjuvant for porcine encephalomyocarditis virus (EMCV)-induced reproductive failure in pregnant sows. Research in Veterinary Science, 2012, 93, 1508-1511.	1.9	7
45	Synthetic peptides containing ITIM-like sequences of IREM-1 (CD300F) differentially regulate MyD88 and TRIF-mediated TLR signalling through activation of SHP and/or PI3K. Clinical and Experimental Immunology, 2012, 167, 438-446.	2.6	12
46	CD300a and CD300f differentially regulate the MyD88 and TRIFâ€mediated TLR signalling pathways through activation of SHPâ€1 and/or SHPâ€2 in human monocytic cell lines. Immunology, 2012, 135, 226-235.	4.4	46
47	Regulation by lipocalinâ€2 of neuronal cell death, migration, and morphology. Journal of Neuroscience Research, 2012, 90, 540-550.	2.9	73
48	Stimulation of FasL Induces Production of Proinflammatory Mediators Through Activation of Mitogen-Activated Protein Kinases and Nuclear Factor-ÎºB in THP-1 Cells. Inflammation, 2012, 35, 1-10.	3.8	16
49	Modulation of Glial and Neuronal Migration by Lipocalin-2 in Zebrafish. Immune Network, 2011, 11, 342.	3.6	17
50	Differential antiproliferation effect of 2â€²â€benzoyloxycinnamaldehyde in Kâ€rasâ€transformed cells via downregulation of thiol antioxidants. Cancer Science, 2011, 102, 212-218.	3.9	11
51	Synthetic peptides containing ITIM-like sequences of IREM-1 inhibit BAFF-mediated regulation of interleukin-8 expression and phagocytosis through SHP-1 and/or PI3K. Immunology, 2011, 134, 224-233.	4.4	8
52	Pro-apoptotic role of integrin Î²3 in glioma cells. Journal of Neurochemistry, 2011, 117, 494-503.	3.9	17
53	2â€²-Hydroxycinnamaldehyde targets low-density lipoprotein receptor-related protein-1 to inhibit lipopolysaccharide-induced microglial activation. Journal of Neuroimmunology, 2011, 230, 52-64.	2.3	24
54	Comparative analysis of the role of small G proteins in cell migration and cell death: Cytoprotective and promigratory effects of RalA. Experimental Cell Research, 2011, 317, 2007-2018.	2.6	14

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55	Stimulation of Fas (CD95) induces production of pro-inflammatory mediators through ERK/JNK-dependent activation of NF-Î¹B in THP-1 cells. Cellular Immunology, 2011, 271, 157-162.	3.0	34
56	BAFF and APRIL induce inflammatory activation of THP-1 cells through interaction with their conventional receptors and activation of MAPK and NF-Î¹B. Inflammation Research, 2011, 60, 807-815.	4.0	22
57	A Novel Pathway Responsible for Lipopolysaccharide-Induced Translational Regulation of TNF-Î± and IL-6 Expression Involves Protein Kinase C and Fascin. Journal of Immunology, 2011, 187, 6327-6334.	0.8	26
58	Lipocalin-2 Is a Chemokine Inducer in the Central Nervous System. Journal of Biological Chemistry, 2011, 286, 43855-43870.	3.4	149
59	CD300F Blocks Both MyD88 and TRIF-Mediated TLR Signaling through Activation of Src Homology Region 2 Domain-Containing Phosphatase 1. Journal of Immunology, 2011, 186, 6296-6303.	0.8	39
60	NF-Î¹B as a common signaling pathway in ganglioside-induced autophagic cell death and activation of astrocytes. Journal of Neuroimmunology, 2010, 226, 66-72.	2.3	35
61	Analysis of glial secretome: The long pentraxin PTX3 modulates phagocytic activity of microglia. Journal of Neuroimmunology, 2010, 229, 63-72.	2.3	60
62	TL1A induces the expression of TGF-Î²-inducible gene h3 (Î²ig-h3) through PKC, PI3K, and ERK in THP-1 cells. Cellular Immunology, 2010, 266, 61-66.	3.0	11
63	Stimulation of glucocorticoidâ€induced tumor necrosis factor receptor familyâ€related protein ligand (GITRL) induces inflammatory activation of microglia in culture. Journal of Neuroscience Research, 2010, 88, 2188-2196.	2.9	21
64	The differential effect of high and low molecular weight fucoidans on the severity of collagenâ€induced arthritis in mice. Phytotherapy Research, 2010, 24, 1384-1391.	5.8	74
65	Macrophages express membrane bound form of APRIL that can generate immunomodulatory signals. Immunology, 2010, 131, 350-356.	4.4	22
66	Immune receptor expressed on myeloid cells 1 (IREM-1) inhibits B cell activation factor (BAFF)-mediated inflammatory regulation of THP-1 cells through modulation of the activities of extracellular regulated kinase (ERK). Clinical and Experimental Immunology, 2010, 161, 504-511.	2.6	17
67	Reverse signaling through BAFF differentially regulates the expression of inflammatory mediators and cytoskeletal movements in THPâ€1 cells. Immunology and Cell Biology, 2010, 88, 148-156.	2.3	45
68	Cell to Cell Interaction Can Activate Membrane-bound APRIL Which Are Expressed on Inflammatory Macrophages. Immune Network, 2010, 10, 173.	3.6	17
69	Functional Selection of Phagocytosis-Promoting Genes: Cell Sortingâ€“Based Selection. Journal of Biomolecular Screening, 2010, 15, 949-955.	2.6	8
70	Identification of novel cell migrationâ€promoting genes by a functional genetic screen. FASEB Journal, 2010, 24, 464-478.	0.5	48
71	Activation of CD147 with Cyclophilin A Induces the Expression of IFITM1 through ERK and PI3K in THP-1 Cells. Mediators of Inflammation, 2010, 2010, 1-9.	3.0	26
72	Decursinol angelate blocks transmigration and inflammatory activation of cancer cells through inhibition of PI3K, ERK and NF-Î¹B activation. Cancer Letters, 2010, 296, 35-42.	7.2	39

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73	Immune responses and expression of the virus-like particle antigen of the porcine encephalomyocarditis virus. Research in Veterinary Science, 2010, 89, 295-300.	1.9	12
74	The Stimulation of CD147 Induces MMP-9 Expression through ERK and NF-ÎºB in Macrophages: Implication for Atherosclerosis. Immune Network, 2009, 9, 90.	3.6	57
75	Lipocalin-2 Is an Autocrine Mediator of Reactive Astrocytosis. Journal of Neuroscience, 2009, 29, 234-249.	3.6	232
76	Suppression of the TRIF-dependent signaling pathway of Toll-like receptors by luteolin. Biochemical Pharmacology, 2009, 77, 1391-1400.	4.4	111
77	Suppression of the lipopolysaccharide-induced expression of MARCKS-related protein (MRP) affects transmigration in activated RAW264.7 cells. Cellular Immunology, 2009, 256, 92-98.	3.0	14
78	Antitumor Effects and Immunomodulating Activities ofPhellinus linteusExtract in a CT-26 Cell-Injected Colon Cancer Mouse Model. Mycobiology, 2009, 37, 128.	1.7	9
79	Discoidin domain receptor 1 mediates collagenâ€induced inflammatory activation of microglia in culture. Journal of Neuroscience Research, 2008, 86, 1087-1095.	2.9	32
80	Role of protein kinase CÎ´ in paraquatâ€induced glial cell death. Journal of Neuroscience Research, 2008, 86, 2062-2070.	2.9	24
81	The antipsychotic spiperone attenuates inflammatory response in cultured microglia via the reduction of proinflammatory cytokine expression and nitric oxide production. Journal of Neurochemistry, 2008, 107, 1225-1235.	3.9	59
82	Reverse signaling initiated from GITRL induces NF-ÎºB activation through ERK in the inflammatory activation of macrophages. Molecular Immunology, 2008, 45, 523-533.	2.2	54
83	Inhibition of glial inflammatory activation and neurotoxicity by tricyclic antidepressants. Neuropharmacology, 2008, 55, 826-834.	4.1	163
84	Comparative Analysis of the Expression Patterns of Various TNFSF/TNFRSF in Atherosclerotic Plaques. Immunological Investigations, 2008, 37, 359-373.	2.0	26
85	Rapid default transition of CD4 T cell effectors to functional memory cells. Journal of Experimental Medicine, 2007, 204, 2199-2211.	8.5	88
86	Effects of Soy Pinitol on the Pro-Inflammatory Cytokines and Scavenger Receptors in Oxidized Low-Density Lipoprotein-Treated THP-1 Macrophages. Journal of Medicinal Food, 2007, 10, 594-601.	1.5	17
87	A Dual Role of Lipocalin 2 in the Apoptosis and Deramification of Activated Microglia. Journal of Immunology, 2007, 179, 3231-3241.	0.8	151
88	Up-regulation of skeletal muscle LIM protein 1 gene by 25-hydroxycholesterol may mediate morphological changes of rat aortic smooth muscle cells. Life Sciences, 2007, 80, 460-467.	4.3	6
89	Regulation of Toll-like receptor 4 expression and its signaling by hypoxia in cultured microglia. Journal of Neuroscience Research, 2007, 85, 1989-1995.	2.9	48
90	Macrophages express granzyme B in the lesion areas of atherosclerosis and rheumatoid arthritis. Immunology Letters, 2007, 111, 57-65.	2.5	65

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91	Glucocorticoid-induced tumour necrosis factor receptor-related protein-mediated macrophage stimulation may induce cellular adhesion and cytokine expression in rheumatoid arthritis. Clinical and Experimental Immunology, 2007, 148, 410-418.	2.6	41
92	CD4 + Tâ€¢cell memory: generation and multiâ€faceted roles for CD4 + T cells in protective immunity to influenza. Immunological Reviews, 2006, 211, 8-22.	6.0	154
93	Induction of microglial apoptosis by corticotropin-releasing hormone. Journal of Neurochemistry, 2006, 98, 962-972.	3.9	35
94	Glucocorticoid-induced tumour necrosis factor receptor family related protein (GITR) mediates inflammatory activation of macrophages that can destabilize atherosclerotic plaques. Immunology, 2006, 119, 421-429.	4.4	66
95	Z39Ig is expressed on macrophages and may mediate inflammatory reactions in arthritis and atherosclerosis. Journal of Leukocyte Biology, 2006, 80, 922-928.	3.3	45
96	Decursin Inhibits Induction of Inflammatory Mediators by Blocking Nuclear Factor-ÎºB Activation in Macrophages. Molecular Pharmacology, 2006, 69, 1783-1790.	2.3	101
97	Severe coronary artery spasm can be associated with hyperthyroidism. Coronary Artery Disease, 2005, 16, 135-139.	0.7	55
98	LIGHT is involved in the pathogenesis of rheumatoid arthritis by inducing the expression of pro-inflammatory cytokines and MMP-9 in macrophages. Immunology, 2005, 114, 272-279.	4.4	62
99	Vitamin E supplementation alters HDL-cholesterol concentration and paraoxonase activity in rabbits fed high-cholesterol diet: Comparison with probucol. Journal of Biochemical and Molecular Toxicology, 2005, 19, 336-346.	3.0	27
100	TLR4, but Not TLR2, Signals Autoregulatory Apoptosis of Cultured Microglia: A Critical Role of IFN-Î² as a Decision Maker. Journal of Immunology, 2005, 174, 6467-6476.	0.8	148
101	Cyclophilin A may contribute to the inflammatory processes in rheumatoid arthritis through induction of matrix degrading enzymes and inflammatory cytokines from macrophages. Clinical Immunology, 2005, 116, 217-224.	3.2	124
102	Involvement of TL1A and DR3 in induction of pro-inflammatory cytokines and matrix metalloproteinase-9 in atherogenesis. Cytokine, 2005, 29, 229-235.	3.2	80
103	High-level expression and characterization of the recombinant enzyme, and tissue distribution of human succinic semialdehyde dehydrogenase. Protein Expression and Purification, 2005, 44, 16-22.	1.3	15
104	Neuropeptide PACAP inhibits hypoxic activation of brain microglia: a protective mechanism against microglial neurotoxicity in ischemia. Brain Research, 2004, 1026, 151-156.	2.2	44
105	Oxidized low-density lipoproteins may induce expression of monocyte chemotactic protein-3 in atherosclerotic plaques. Biochemical and Biophysical Research Communications, 2004, 323, 898-905.	2.1	20
106	TWEAK Can Induce Pro-Inflammatory Cytokines and Matrix Metalloproteinase-9 in Macrophages. Circulation Journal, 2004, 68, 396-399.	1.6	128
107	LIGHT is Expressed in Foam Cells and Involved in Destabilization of Atherosclerotic Plaques through Induction of Matrix Metalloproteinase-9 and IL-8. Immune Network, 2004, 4, 116.	3.6	17
108	A novel chemokine, Leukotactin-1, induces chemotaxis, pro-atherogenic cytokines, and tissue factor expression in atherosclerosis. Atherosclerosis, 2002, 161, 255-260.	0.8	36

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109	Different expressivity of a ventricular essential myosin light chain gene Ala57Gly mutation in familial hypertrophic cardiomyopathy. American Heart Journal, 2001, 141, 184-189.	2.7	48
110	Activation of CD14 on circulating monocytes in patients with acute coronary syndrome. International Journal of Cardiology, 2001, 80, 135-142.	1.7	20
111	A Cofactor of tRNA Synthetase, p43, Is Secreted to Up-regulate Proinflammatory Genes. Journal of Biological Chemistry, 2001, 276, 23028-23033.	3.4	135
112	Tumor Necrosis Factor Receptor Superfamily 12 may Destabilize Atherosclerotic Plaques by Inducing Matrix Metalloproteinases. Japanese Circulation Journal, 2001, 65, 136-138.	1.0	30
113	Tumor Necrosis Factor Receptor Superfamily 14 Is Involved in Atherogenesis by Inducing Proinflammatory Cytokines and Matrix Metalloproteinases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 2004-2010.	2.4	120
114	Correlation between Monocyte and T-lymphocyte Activation Markers in Patients with Acute Coronary Syndrome.. International Heart Journal, 2000, 41, 605-615.	0.6	6
115	Early expression of a malignant phenotype of familial hypertrophic cardiomyopathy associated with a Gly716Arg myosin heavy chain mutation in a Korean family. American Journal of Cardiology, 1998, 82, 1509-1513.	1.6	34
116	Interaction of the Nuclear Matrix-associated Region (MAR)-Binding Proteins, SATB1 and CDP/Cux, with a MAR Element (L2a) in an Upstream Regulatory Region of the Mouse CD8a Gene. Journal of Biological Chemistry, 1997, 272, 18440-18452.	3.4	81
117	Development of thymic carcinoma in transgenic mice expressing SV40 T antigen. Cancer Letters, 1996, 107, 293-300.	7.2	10
118	T Cell Lymphoma in Transgenic Mice Expressing the HumanHsp70Gene. Biochemical and Biophysical Research Communications, 1996, 218, 582-587.	2.1	103
119	Alterations of the thymic selection process in transgenic mice expressing SV40 large T antigen. , 1996, 67, 399-404.		3
120	Cis-acting DNA elements and cell type-specific nuclear proteins which may play a role in regulation of mouse CD8Î± (Lyt-2) gene transcription. International Immunology, 1994, 6, 1307-1321.	4.0	17