## Won-Ha Lee

## List of Publications by Year in descending order

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71061 91828 5,448 120 41 69 citations h-index g-index papers 121 121 121 7773 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	Lipocalin-2 Is an Autocrine Mediator of Reactive Astrocytosis. Journal of Neuroscience, 2009, 29, 234-249.	1.7	232
2	Functional polarization of neuroglia: Implications in neuroinflammation and neurological disorders. Biochemical Pharmacology, $2016, 103, 1-16$ .	2.0	207
3	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.	0.4	170
4	Inhibition of glial inflammatory activation and neurotoxicity by tricyclic antidepressants. Neuropharmacology, 2008, 55, 826-834.	2.0	163
5	Secreted protein lipocalinâ€2 promotes microglial M1 polarization. FASEB Journal, 2013, 27, 1176-1190.	0.2	159
6	CD4 + Tâ€cell memory: generation and multiâ€faceted roles for CD4 + T cells in protective immunity to influenza. Immunological Reviews, 2006, 211, 8-22.	2.8	154
7	A Dual Role of Lipocalin 2 in the Apoptosis and Deramification of Activated Microglia. Journal of Immunology, 2007, 179, 3231-3241.	0.4	151
8	Lipocalin-2 Is a Chemokine Inducer in the Central Nervous System. Journal of Biological Chemistry, 2011, 286, 43855-43870.	1.6	149
9	TLR4, but Not TLR2, Signals Autoregulatory Apoptosis of Cultured Microglia: A Critical Role of IFN-Î <sup>2</sup> as a Decision Maker. Journal of Immunology, 2005, 174, 6467-6476.	0.4	148
10	A Cofactor of tRNA Synthetase, p43, Is Secreted to Up-regulate Proinflammatory Genes. Journal of Biological Chemistry, 2001, 276, 23028-23033.	1.6	135
11	TWEAK Can Induce Pro-Inflammatory Cytokines and Matrix Metalloproteinase-9 in Macrophages. Circulation Journal, 2004, 68, 396-399.	0.7	128
12	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.	1.4	124
13	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.	1.1	120
14	Astrocyteâ€derived lipocalinâ€2 mediates hippocampal damage and cognitive deficits in experimental models of vascular dementia. Glia, 2017, 65, 1471-1490.	2.5	119
15	Lipocalin-2 Protein Deficiency Ameliorates Experimental Autoimmune Encephalomyelitis. Journal of Biological Chemistry, 2014, 289, 16773-16789.	1.6	116
16	Suppression of the TRIF-dependent signaling pathway of Toll-like receptors by luteolin. Biochemical Pharmacology, 2009, 77, 1391-1400.	2.0	111
17	Functional dissection of astrocyte-secreted proteins: Implications in brain health and diseases. Progress in Neurobiology, 2018, 162, 37-69.	2.8	111
18	T Cell Lymphoma in Transgenic Mice Expressing the HumanHsp70Gene. Biochemical and Biophysical Research Communications, 1996, 218, 582-587.	1.0	103

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19	Decursin Inhibits Induction of Inflammatory Mediators by Blocking Nuclear Factor-κB Activation in Macrophages. Molecular Pharmacology, 2006, 69, 1783-1790.	1.0	101
20	Rapid default transition of CD4 T cell effectors to functional memory cells. Journal of Experimental Medicine, 2007, 204, 2199-2211.	4.2	88
21	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.	1.6	81
22	Involvement of TL1A and DR3 in induction of pro-inflammatory cytokines and matrix metalloproteinase-9 in atherogenesis. Cytokine, 2005, 29, 229-235.	1.4	80
23	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.	2.8	74
24	Regulation by lipocalinâ€2 of neuronal cell death, migration, and morphology. Journal of Neuroscience Research, 2012, 90, 540-550.	1.3	73
25	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.	2.0	66
26	Macrophages express granzyme B in the lesion areas of atherosclerosis and rheumatoid arthritis. Immunology Letters, 2007, 111, 57-65.	1.1	65
27	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.	2.0	62
28	Analysis of glial secretome: The long pentraxin PTX3 modulates phagocytic activity of microglia. Journal of Neuroimmunology, 2010, 229, 63-72.	1.1	60
29	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.	2.1	59
30	The Stimulation of CD147 Induces MMP-9 Expression through ERK and NF-κB in Macrophages: Implication for Atherosclerosis. Immune Network, 2009, 9, 90.	1.6	57
31	Severe coronary artery spasm can be associated with hyperthyroidism. Coronary Artery Disease, 2005, 16, 135-139.	0.3	55
32	Reverse signaling initiated from GITRL induces NF-κB activation through ERK in the inflammatory activation of macrophages. Molecular Immunology, 2008, 45, 523-533.	1.0	54
33	The pivotal role played by lipocalin-2 in chronic inflammatory pain. Experimental Neurology, 2014, 254, 41-53.	2.0	51
34	Different expressivity of a ventricular essential myosin light chain gene Ala57Gly mutation in familial hypertrophic cardiomyopathy. American Heart Journal, 2001, 141, 184-189.	1.2	48
35	Regulation of Toll-like receptor 4 expression and its signaling by hypoxia in cultured microglia. Journal of Neuroscience Research, 2007, 85, 1989-1995.	1.3	48
36	Identification of novel cell migrationâ€promoting genes by a functional genetic screen. FASEB Journal, 2010, 24, 464-478.	0.2	48

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37	Microglia-inhibiting activity of Parkinson's disease drug amantadine. Neurobiology of Aging, 2012, 33, 2145-2159.	1.5	48
38	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.	2.0	46
39	Z39Ig is expressed on macrophages and may mediate inflammatory reactions in arthritis and atherosclerosis. Journal of Leukocyte Biology, 2006, 80, 922-928.	1.5	45
40	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.	1.0	45
41	Neuropeptide PACAP inhibits hypoxic activation of brain microglia: a protective mechanism against microglial neurotoxicity in ischemia. Brain Research, 2004, 1026, 151-156.	1.1	44
42	Role of Lipocalin-2-Chemokine Axis in the Development of Neuropathic Pain following Peripheral Nerve Injury. Journal of Biological Chemistry, 2013, 288, 24116-24127.	1.6	43
43	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.	1.1	41
44	Decursinol angelate blocks transmigration and inflammatory activation of cancer cells through inhibition of PI3K, ERK and NF-κB activation. Cancer Letters, 2010, 296, 35-42.	3.2	39
45	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.	0.4	39
46	Axon Guidance Molecules Guiding Neuroinflammation. Experimental Neurobiology, 2019, 28, 311-319.	0.7	38
47	A novel chemokine, Leukotactin-1, induces chemotaxis, pro-atherogenic cytokines, and tissue factor expression in atherosclerosis. Atherosclerosis, 2002, 161, 255-260.	0.4	36
48	Hypothalamic inflammation and malfunctioning glia in the pathophysiology of obesity and diabetes: Translational significance. Biochemical Pharmacology, 2018, 153, 123-133.	2.0	36
49	Induction of microglial apoptosis by corticotropin-releasing hormone. Journal of Neurochemistry, 2006, 98, 962-972.	2.1	35
50	NF-κB as a common signaling pathway in ganglioside-induced autophagic cell death and activation of astrocytes. Journal of Neuroimmunology, 2010, 226, 66-72.	1.1	35
51	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.	0.7	34
52	Stimulation of Fas (CD95) induces production of pro-inflammatory mediators through ERK/JNK-dependent activation of NF-κB in THP-1 cells. Cellular Immunology, 2011, 271, 157-162.	1.4	34
53	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.	1.6	34
54	Discoidin domain receptor 1 mediates collagenâ€induced inflammatory activation of microglia in culture. Journal of Neuroscience Research, 2008, 86, 1087-1095.	1.3	32

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55	Tumor Necrosis Factor Receptor Superfamily 12 may Destabilize Atherosclerotic Plaques by Inducing Matrix Metalloproteinases. Japanese Circulation Journal, 2001, 65, 136-138.	1.0	30
56	Microglia Gone Awry: Linking Immunometabolism to Neurodegeneration. Frontiers in Cellular Neuroscience, 2020, 14, 246.	1.8	30
57	Natural Flavone Jaceosidin is a Neuroinflammation Inhibitor. Phytotherapy Research, 2013, 27, 404-411.	2.8	29
58	Paradoxical role of lipocalin-2 in metabolic disorders and neurological complications. Biochemical Pharmacology, 2019, 169, 113626.	2.0	29
59	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.	1.4	27
60	Comparative Analysis of the Expression Patterns of Various TNFSF/TNFRSF in Atherosclerotic Plaques. Immunological Investigations, 2008, 37, 359-373.	1.0	26
61	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.	1.4	26
62	A Novel Pathway Responsible for Lipopolysaccharide-Induced Translational Regulation of TNF-α and IL-6 Expression Involves Protein Kinase C and Fascin. Journal of Immunology, 2011, 187, 6327-6334.	0.4	26
63	Myristoylated alanine-rich C kinase substrate (MARCKS) regulates the expression of proinflammatory cytokines in macrophages through activation of p38/JNK MAPK and NF-κB. Cellular Immunology, 2015, 296, 115-121.	1.4	26
64	Reverse Signaling of Tumor Necrosis Factor Superfamily Proteins in Macrophages and Microglia: Superfamily Portrait in the Neuroimmune Interface. Frontiers in Immunology, 2019, 10, 262.	2.2	25
65	Role of protein kinase Cl´ in paraquatâ€induced glial cell death. Journal of Neuroscience Research, 2008, 86, 2062-2070.	1.3	24
66	2′-Hydroxycinnamaldehyde targets low-density lipoprotein receptor-related protein-1 to inhibit lipopolysaccharide-induced microglial activation. Journal of Neuroimmunology, 2011, 230, 52-64.	1.1	24
67	RNAi-based functional selection identifies novel cell migration determinants dependent on PI3K and AKT pathways. Nature Communications, 2014, 5, 5217.	5.8	24
68	Macrophages express membrane bound form of APRIL that can generate immunomodulatory signals. Immunology, 2010, 131, 350-356.	2.0	22
69	BAFF and APRIL induce inflammatory activation of THP-1 cells through interaction with their conventional receptors and activation of MAPK and NF-ΰB. Inflammation Research, 2011, 60, 807-815.	1.6	22
70	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.	1.3	21
71	Activation of CD14 on circulating monocytes in patients with acute coronary syndrome. International Journal of Cardiology, 2001, 80, 135-142.	0.8	20
72	Oxidized low-density lipoproteins may induce expression of monocyte chemotactic protein-3 in atherosclerotic plaques. Biochemical and Biophysical Research Communications, 2004, 323, 898-905.	1.0	20

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73	Acute Phase Protein Lipocalin-2 Is Associated with Formalin-induced Nociception and Pathological Pain. Immune Network, 2013, 13, 289.	1.6	18
74	Cis-acting DNA elements and cell type-specific nuclear proteins which may play a role in regulation of mouse CD8α (Lyt-2) gene transcription. International Immunology, 1994, 6, 1307-1321.	1.8	17
75	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.	0.8	17
76	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.	1.1	17
77	Cell to Cell Interaction Can Activate Membrane-bound APRIL Which Are Expressed on Inflammatory Macrophages. Immune Network, 2010, 10, 173.	1.6	17
78	Modulation of Glial and Neuronal Migration by Lipocalin-2 in Zebrafish. Immune Network, 2011, 11, 342.	1.6	17
79	Pro-apoptotic role of integrin β3 in glioma cells. Journal of Neurochemistry, 2011, 117, 494-503.	2.1	17
80	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.	2.5	17
81	Lipocalin-2 in Diabetic Complications of the Nervous System: Physiology, Pathology, and Beyond. Frontiers in Physiology, 2021, 12, 638112.	1.3	17
82	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.	1.6	17
83	Stimulation of FasL Induces Production of Proinflammatory Mediators Through Activation of Mitogen-Activated Protein Kinases and Nuclear Factor-ÎB in THP-1 Cells. Inflammation, 2012, 35, 1-10.	1.7	16
84	A Bcr-Abl Inhibitor GNF-2 Attenuates Inflammatory Activation of Glia and Chronic Pain. Frontiers in Pharmacology, 2019, 10, 543.	1.6	16
85	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.	0.6	15
86	Reverse signaling from LIGHT promotes pro-inflammatory responses in the human monocytic leukemia cell line, THP-1. Cellular Immunology, 2013, 285, 10-17.	1.4	15
87	Suppression of the lipopolysaccharide-induced expression of MARCKS-related protein (MRP) affects transmigration in activated RAW264.7 cells. Cellular Immunology, 2009, 256, 92-98.	1.4	14
88	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.	1,2	14
89	A novel derivative of decursin, CSLâ€32, blocks migration and production of inflammatory mediators and modulates PI3K and NFâ€₽B activities in HT1080 cells. Cell Biology International, 2012, 36, 683-688.	1.4	13
90	Immune responses and expression of the virus-like particle antigen of the porcine encephalomyocarditis virus. Research in Veterinary Science, 2010, 89, 295-300.	0.9	12

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91	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.	1.1	12
92	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.	1.4	12
93	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.	1.6	12
94	Metabolic Control of Glia-Mediated Neuroinflammation. Current Alzheimer Research, 2016, 13, 387-402.	0.7	12
95	TL1A induces the expression of TGF- $\hat{l}^2$ -inducible gene h3 ( $\hat{l}^2$ ig-h3) through PKC, PI3K, and ERK in THP-1 cells. Cellular Immunology, 2010, 266, 61-66.	1.4	11
96	Differential antiproliferation effect of 2â€2â€benzoyloxycinnamaldehyde in Kâ€rasâ€transformed cells via downregulation of thiol antioxidants. Cancer Science, 2011, 102, 212-218.	1.7	11
97	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.	1.0	11
98	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.	1.3	11
99	Mitochondrial dysfunction regulates the JAK–STAT pathway via LKB1-mediated AMPK activation ER-stress-independent manner. Biochemistry and Cell Biology, 2020, 98, 137-144.	0.9	11
100	Development of thymic carcinoma in transgenic mice expressing SV40 T antigen. Cancer Letters, 1996, 107, 293-300.	3.2	10
101	Fascin Regulates TLR4/PKC-mediated Translational Activation Through miR-155 and miR-125b, which Targets the 3′ Untranslated Region of TNF-α mRNA. Immunological Investigations, 2015, 44, 309-320.	1.0	9
102	Sodium azide suppresses LPS-induced expression MCP-1 through regulating lκBζ and STAT1 activities in macrophages. Cellular Immunology, 2017, 315, 64-70.	1.4	9
103	LETMD1 Regulates Phagocytosis and Inflammatory Responses to Lipopolysaccharide via Reactive Oxygen Species Generation and NF-κB Activation in Macrophages. Journal of Immunology, 2020, 204, 1299-1309.	0.4	9
104	Antitumor Effects and Immunomodulating Activities of <i>Phellinus linteus </i> Extract in a CT-26 Cell-Injected Colon Cancer Mouse Model. Mycobiology, 2009, 37, 128.	0.6	9
105	Functional Selection of Phagocytosis-Promoting Genes: Cell Sorting–Based Selection. Journal of Biomolecular Screening, 2010, 15, 949-955.	2.6	8
106	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.	2.0	8
107	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.	1.6	8
108	Seroprevalence of subtype H3 influenza A virus in South Korean cats. Journal of Feline Medicine and Surgery, 2012, 14, 746-750.	0.6	7

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109	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.	0.9	7
110	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.	1.4	7
111	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.	2.0	6
112	Activation of lymphotoxin-beta receptor enhances the LPS-induced expression of IL-8 through NF- $\hat{l}^{2}$ B and IRF-1. Immunology Letters, 2015, 165, 63-69.	1.1	6
113	Correlation between Monocyte and T-lymphocyte Activation Markers in Patients with Acute Coronary Syndrome International Heart Journal, 2000, 41, 605-615.	0.6	6
114	Yeast-Based Genetic Interaction Analysis of Human Kinome. Cells, 2020, 9, 1156.	1.8	5
115	Interrogation of kinase genetic interactions provides a global view of PAK1-mediated signal transduction pathways. Journal of Biological Chemistry, 2020, 295, 16906-16919.	1.6	4
116	Proteomic examination of the neuroglial secretome: lessons for the clinic. Expert Review of Proteomics, 2020, 17, 207-220.	1.3	4
117	Alterations of the thymic selection process in transgenic mice expressing SV40 large T antigen., 1996, 67, 399-404.		3
118	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.	0.6	3
119	Optogenetics of the Spinal Cord: Use of Channelrhodopsin Proteins for Interrogation of Spinal Cord Circuits. Current Protein and Peptide Science, 2018, 19, 714-724.	0.7	3
120	Fermented bitter gourd extract differentially regulates lipopolysaccharide-induced cytokine gene expression through nuclear factor-κB and interferon regulatory factor-1. Animal Cells and Systems, 2015, 19, 194-200.	0.8	2