

# Hee-sung Chae

## List of Publications by Year in descending order

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78  
papers

1,832  
citations

236612

25  
h-index

301761

39  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-inflammatory mechanisms of resveratrol in activated HMC-1 cells: Pivotal roles of NF- $\kappa$ B and MAPK. <i>Pharmacological Research</i> , 2009, 59, 330-337.	3.1	128
2	Antibacterial Activity of Methyl Gallate Isolated from Galla Rhois or Carvacrol Combined with Nalidixic Acid Against Nalidixic Acid Resistant Bacteria. <i>Molecules</i> , 2009, 14, 1773-1780.	1.7	83
3	Antibacterial Activity of <i>Ecklonia cava</i> Against Methicillin-Resistant <i>Staphylococcus aureus</i> and <i>Salmonella</i> spp.. <i>Foodborne Pathogens and Disease</i> , 2010, 7, 435-441.	0.8	82
4	$\hat{\pm}$ -Mangostin Regulates Hepatic Steatosis and Obesity through SirT1-AMPK and PPAR $\hat{3}$ Pathways in High-Fat Diet-Induced Obese Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8399-8406.	2.4	68
5	In Vitro and In Vivo Antibacterial Activity of <i>Punica granatum</i> Peel Ethanol Extract against <i>Salmonella</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-8.	0.5	65
6	Synergistic effects of the combination of galangin with gentamicin against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Microbiology</i> , 2008, 46, 283-288.	1.3	64
7	Inhibition of LPS-Induced iNOS, COX-2 and Inflammatory Mediator Expression by Paeonol through the MAPKs Inactivation in RAW 264.7 Cells. <i>The American Journal of Chinese Medicine</i> , 2009, 37, 181-194.	1.5	63
8	Molecular Targets of Genistein and Its Related Flavonoids to Exert Anticancer Effects. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2420.	1.8	60
9	Ethyl acetate extract from <i>Angelica Dahuricae Radix</i> inhibits lipopolysaccharide-induced production of nitric oxide, prostaglandin E2 and tumor necrosis factor- $\hat{\pm}$ via mitogen-activated protein kinases and nuclear factor- $\kappa$ B in macrophages. <i>Pharmacological Research</i> , 2007, 55, 263-270.	3.1	51
10	Anti-Inflammatory Effect of Resveratrol by Inhibition of IL-8 Production in LPS-Induced THP-1 Cells. <i>The American Journal of Chinese Medicine</i> , 2009, 37, 1203-1214.	1.5	48
11	$\hat{\pm}$ -Mangostin ameliorates dextran sulfate sodium-induced colitis through inhibition of NF- $\kappa$ B and MAPK pathways. <i>International Immunopharmacology</i> , 2017, 49, 212-221.	1.7	43
12	Mume Fructus Water Extract Inhibits Pro-Inflammatory Mediators in Lipopolysaccharide-Stimulated Macrophages. <i>Journal of Medicinal Food</i> , 2007, 10, 460-466.	0.8	42
13	Isoliquiritigenin ameliorates dextran sulfate sodium-induced colitis through the inhibition of MAPK pathway. <i>International Immunopharmacology</i> , 2016, 31, 223-232.	1.7	41
14	Chemical Constituents with Proprotein Convertase Subtilisin/Kexin Type 9 mRNA Expression Inhibitory Activity from Dried Immature <i>Morus alba</i> Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5316-5321.	2.4	40
15	Anti-Nociceptive and Anti-Inflammatory Effects of <i>Angelicae Dahuricae Radix</i> Through Inhibition of the Expression of Inducible Nitric Oxide Synthase and NO Production. <i>The American Journal of Chinese Medicine</i> , 2008, 36, 913-928.	1.5	37
16	Mangosteen xanthenes, $\hat{\pm}$ - and $\hat{3}$ -mangostins, inhibit allergic mediators in bone marrow-derived mast cell. <i>Food Chemistry</i> , 2012, 134, 397-400.	4.2	36
17	Prenylated Flavonoids from the Roots and Rhizomes of <i>Sophora tonkinensis</i> and Their Effects on the Expression of Inflammatory Mediators and Proprotein Convertase Subtilisin/Kexin Type 9. <i>Journal of Natural Products</i> , 2019, 82, 309-317.	1.5	34
18	In Vitro Activity of Methyl Gallate Isolated from Galla Rhois Alone and in Combination with Ciprofloxacin Against Clinical Isolates of <i>Salmonella</i> . <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 1848-1852.	0.9	33

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19	Flavonoids and arylbenzofurans from the rhizomes and roots of <i>Sophora tonkinensis</i> with IL-6 production inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5644-5647.	1.0	32
20	ent-pimara-8(14), 15-dien-19-oic acid isolated from the roots of <i>Aralia cordata</i> inhibits induction of inflammatory mediators by blocking NF- $\kappa$ B activation and mitogen-activated protein kinase pathways. <i>European Journal of Pharmacology</i> , 2008, 601, 179-185.	1.7	31
21	Methyl Gallate Inhibits the Production of Interleukin-6 and Nitric Oxide via Down-Regulation of Extracellular-Signal Regulated Protein Kinase in RAW 264.7 Cells. <i>The American Journal of Chinese Medicine</i> , 2010, 38, 973-983.	1.5	30
22	Mangosteen Extract Attenuates the Metabolic Disorders of High-Fat-Fed Mice by Activating AMPK. <i>Journal of Medicinal Food</i> , 2016, 19, 148-154.	0.8	30
23	Anti-Inflammatory and Anti-Allergic Effect of <i>Agaricus blazei</i> Extract in Bone Marrow-Derived Mast Cells. <i>The American Journal of Chinese Medicine</i> , 2012, 40, 1073-1084.	1.5	27
24	Lignans from the fruits of <i>Schisandra chinensis</i> (Turcz.) Baill inhibit proprotein convertase subtilisin/kexin type 9 expression. <i>Phytochemistry</i> , 2017, 136, 119-124.	1.4	27
25	Anti-inflammatory properties of a triterpenoidal glycoside from <i>Momordica cochinchinensis</i> LPS-stimulated macrophages. <i>Immunopharmacology and Immunotoxicology</i> , 2013, 35, 8-14.	1.1	26
26	Alkaloids from aerial parts of <i>Houttuynia cordata</i> and their anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2807-2811.	1.0	26
27	New Aromatic Compounds from the Fruiting Body of <i>Sparassis crispa</i> (Wulf.) and Their Inhibitory Activities on Proprotein Convertase Subtilisin/Kexin Type 9 mRNA Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6152-6157.	2.4	26
28	Sauchinone controls hepatic cholesterol homeostasis by the negative regulation of PCSK9 transcriptional network. <i>Scientific Reports</i> , 2018, 8, 6737.	1.6	26
29	Xanthones with pancreatic lipase inhibitory activity from the pericarps of <i>Garcinia mangostana</i> L. (Guttiferae). <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 1416-1421.	1.0	25
30	In Vivo Gastroprotective Effect along with Pharmacokinetics, Tissue Distribution and Metabolism of Isoliquiritigenin in Mice. <i>Planta Medica</i> , 2015, 81, 586-593.	0.7	24
31	Antibacterial effect of <i>Dryopteris crassirhizoma</i> against methicillin-resistant <i>Staphylococcus aureus</i> . <i>F<math>\ddot{A}</math>-totera<math>\ddot{A}</math>-<math>\ddot{A}</math></i> , 2007, 78, 430-433.	1.1	23
32	Anti-allergic effect of lambertianic acid from <i>Thuja orientalis</i> in mouse bone marrow-derived mast cells. <i>Immunopharmacology and Immunotoxicology</i> , 2012, 34, 250-255.	1.1	23
33	SKI3301, a purified herbal extract from <i>Sophora tonkinensis</i> , inhibited airway inflammation and bronchospasm in allergic asthma animal models in vivo. <i>Journal of Ethnopharmacology</i> , 2017, 206, 298-305.	2.0	23
34	Discovery of Flavonoids from <i>Scutellaria baicalensis</i> with Inhibitory Activity Against PCSK 9 Expression: Isolation, Synthesis and Their Biological Evaluation. <i>Molecules</i> , 2018, 23, 504.	1.7	20
35	Atractylodin Inhibits Interleukin-6 by Blocking NPM-ALK Activation and MAPKs in HMC-1. <i>Molecules</i> , 2016, 21, 1169.	1.7	19
36	Antibacterial Activity of <i>Hylomecon hylomeconoides</i> Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2467-2474.	1.4	18

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37	Mangosteen Extract Prevents Dextran Sulfate Sodium-Induced Colitis in Mice by Suppressing NF- $\kappa$ B Activation and Inflammation. <i>Journal of Medicinal Food</i> , 2017, 20, 727-733.	0.8	16
38	A stilbene dimer and flavonoids from the aerial parts of <i>Chromolaena odorata</i> with proprotein convertase subtilisin/kexin type 9 expression inhibitory activity. <i>Bioorganic Chemistry</i> , 2020, 99, 103869.	2.0	16
39	Effects of the <i>Schisandra Fructus</i> Water Extract on Cytokine Release from a Human Mast Cell Line. <i>Journal of Medicinal Food</i> , 2006, 9, 480-486.	0.8	15
40	Anti-Inflammatory Effects of 6,8-Diprenyl-7,4 $\alpha$ -dihydroxyflavanone from <i>Sophora tonkinensis</i> on Lipopolysaccharide-Stimulated RAW 264.7 Cells. <i>Molecules</i> , 2016, 21, 1049.	1.7	15
41	Flavonoids from <i>Symplocos racemosa</i> . <i>Molecules</i> , 2015, 20, 358-365.	1.7	14
42	<i>Lonicera japonica</i> extract increases metformin distribution in the liver without change of systemic exposed metformin in rats. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111892.	2.0	14
43	Sesquiterpenoids from the Aerial Parts of <i>Salvia plebeia</i> with Inhibitory Activities on Proprotein Convertase Subtilisin/Kexin Type 9 Expression. <i>Journal of Natural Products</i> , 2021, 84, 220-229.	1.5	14
44	Gomisin N has anti-allergic effect and inhibits inflammatory cytokine expression in mouse bone marrow-derived mast cells. <i>Immunopharmacology and Immunotoxicology</i> , 2011, 33, 709-713.	1.1	13
45	Korean red ginseng extract enhances paclitaxel distribution to mammary tumors and its oral bioavailability by P-glycoprotein inhibition. <i>Xenobiotica</i> , 2017, 47, 450-459.	0.5	13
46	Anti-inflammatory Constituents from the Roots of <i>Saposhnikovia divaricata</i> . <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2132-2134.	1.0	13
47	Maackiapterocarpin B from <i>Sophora tonkinensis</i> ; Suppresses Inflammatory Mediators via Nuclear Factor- $\kappa$ B and Mitogen-Activated Protein Kinase Pathways. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 259-266.	0.6	12
48	Bisamides from the Twigs of <i>Aglaia perviridis</i> Collected in Vietnam. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2665-2667.	1.0	12
49	5-Hydroxytryptophan Acts on the Mitogen-Activated Protein Kinase Extracellular-Signal Regulated Protein Kinase Pathway to Modulate Cyclooxygenase-2 and Inducible Nitric Oxide Synthase Expression in RAW 264.7 Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 553-557.	0.6	11
50	Multidrug and toxin extrusion protein 1-mediated interaction of metformin and <i>Scutellariae radix</i> in rats. <i>Xenobiotica</i> , 2017, 47, 998-1007.	0.5	11
51	Two new lathyrane-type diterpenoid glycosides with IL-6 production inhibitory activity from the roots of <i>Euphorbia kansui</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1207-1210.	1.0	11
52	Identification of neolignans with PCSK9 downregulatory and LDLR upregulatory activities from <i>Penthorum chinense</i> and the potential in cholesterol uptake by transcriptional regulation of LDLR via SREBP2. <i>Journal of Ethnopharmacology</i> , 2021, 278, 114265.	2.0	11
53	Anti-inflammatory Diterpene from <i>Thysanthera suborbicularis</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 382-384.	0.6	10
54	Anti-adipogenic Constituents from <i>Dioscorea opposita</i> in 3T3-L1 Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1683-1688.	0.6	10

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55	Transcriptome Analysis Illuminates a Hub Role of <i>SREBP2</i> in Cholesterol Metabolism by $\pm$ -Mangostin. <i>ACS Omega</i> , 2020, 5, 31126-31136.	1.6	10
56	Anti-allergic Flavones from <i>Arthroxon hispidus</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 920-926.	0.6	9
57	A Citrus Flavonoid, 6-Demethoxytangeretin, Suppresses Production and Gene Expression of Interleukin-6 in Human Mast Cell-1 &via& Anaplastic Lymphoma Kinase and Mitogen-Activated Protein Kinase Pathways. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 871-876.	0.6	8
58	Sinensetin Inhibits Interleukin-6 in Human Mast Cell - 1 Via Signal Transducers and Activators of the Transcription 3 (STAT3) and Nuclear Factor Kappa B (NF- $\kappa$ B) Pathways. <i>Natural Product Sciences</i> , 2017, 23, 1.	0.2	8
59	YDJC Induces Epithelial-Mesenchymal Transition via Escaping from Interaction with CDC16 through Ubiquitination of PP2A. <i>Journal of Oncology</i> , 2019, 2019, 1-15.	0.6	8
60	Dereplication-Guided Isolation of New Phenylpropanoid-Substituted Diglycosides from <i>Cistanche salsa</i> and Their Inhibitory Activity on NO Production in Macrophage. <i>Molecules</i> , 2017, 22, 1138.	1.7	7
61	Combined MS/MS-NMR Annotation Guided Discovery of <i>Iris lactea</i> var. <i>chinensis</i> Seed as a Source of Viral Neuraminidase Inhibitory Polyphenols. <i>Molecules</i> , 2020, 25, 3383.	1.7	7
62	Anti-allergic effect of a chloroform-soluble extract of <i>Cinnamomum cambodianum</i> in bone marrow-derived mast cells. <i>Immunopharmacology and Immunotoxicology</i> , 2012, 34, 639-644.	1.1	6
63	Furylhydroquinones and miscellaneous compounds from the roots of <i>Lithospermum erythrorhizon</i> and their anti-inflammatory effect in HaCaT cells. <i>Natural Product Research</i> , 2019, 33, 1691-1698.	1.0	6
64	Isolation of polyacetylenes with proprotein convertase/kexin type 9 downregulating activity and two new sesquiterpenes from the aerial parts of <i>Aster koraiensis</i> . <i>Tetrahedron Letters</i> , 2020, 61, 151957.	0.7	6
65	Selaginellin Derivatives from <i>Selaginella tamariscina</i> and Their Upregulating Effects on Low-Density Lipoprotein Receptor Expression. <i>Journal of Natural Products</i> , 2021, 84, 857-864.	1.5	6
66	Effect of <i>Atractylodes Rhizoma Alba</i> , <i>Houttuyniae Herba</i> , <i>Lonicerae Flos</i> , <i>Agrobacterium Rhizogenes</i> and <i>Coptidis Rhizoma</i> Extracts Combined with Metformin on the Antioxidant and Adipocyte Differentiate Inhibition. <i>Journal of Korean Medicine for Obesity Research</i> , 2015, 15, 24-32.	0.7	6
67	<i>Euphorbia supina</i> inhibits inflammatory mediators in mouse bone marrow-derived mast cells and macrophages. <i>International Immunopharmacology</i> , 2015, 29, 966-973.	1.7	5
68	Ginseng berry extract enhances metformin efficacy against obesity and hepatic steatosis in mice fed high-fat diet through increase of metformin uptake in liver. <i>Journal of Functional Foods</i> , 2019, 62, 103551.	1.6	5
69	Synthesis of Moracin C and Its Derivatives with a 2-arylbenzofuran Motif and Evaluation of Their PCSK9 Inhibitory Effects in HepG2 Cells. <i>Molecules</i> , 2021, 26, 1327.	1.7	4
70	A Multitarget Approach to Evaluate the Efficacy of <i>Aquilaria sinensis</i> Flower Extract against Metabolic Syndrome. <i>Molecules</i> , 2022, 27, 629.	1.7	4
71	Dilignans with a Chromanol Motif Discovered by Molecular Networking from the Stem Barks of <i>Magnolia obovata</i> and Their Proprotein Convertase Subtilisin/Kexin Type 9 Expression Inhibitory Activity. <i>Biomolecules</i> , 2021, 11, 463.	1.8	3
72	Screening of Herbal Medicines for Synergistic Effects of Metformin and Herbal Extracts Combination in RAW 264.7 Cells. <i>Journal of Korean Medicine for Obesity Research</i> , 2014, 14, 13-23.	0.7	3

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73	Spiroketones and a Biphenyl Analog from Stems and Leaves of <i>Larrea nitida</i> and Their Inhibitory Activity against IL-6 Production. <i>Molecules</i> , 2018, 23, 302.	1.7	2
74	Standardized Extract of <i>Atractylodis Rhizoma Alba</i> and <i>Fructus Schisandrae</i> Ameliorates Coughing and Increases Expectoration of Phlegm. <i>Molecules</i> , 2020, 25, 3064.	1.7	2
75	Prenylated Flavonoid Glycosides with PCSK9 mRNA Expression Inhibitory Activity from the Aerial Parts of <i>Epimedium koreanum</i> . <i>Molecules</i> , 2021, 26, 3590.	1.7	2
76	Effect of treatment period with LC478, a disubstituted adamantyl derivative, on P-glycoprotein inhibition: its application to increase docetaxel absorption in rats. <i>Xenobiotica</i> , 2020, 50, 863-874.	0.5	1
77	Acylated saponins and flavonoid glycosides from the fruits of <i>Stewartia koreana</i> . <i>Phytochemistry</i> , 2022, 193, 112980.	1.4	1
78	Chemical Constituents from the Roots and Rhizomes of <i>Sophora tonkinensis</i> and Their Effects on Proprotein Convertase Subtilisin/Kexin Type 9 Expression. <i>ACS Omega</i> , 2022, 7, 20952-20958.	1.6	1