

# Hee-sung Chae

## List of Publications by Year in descending order

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Version: 2024-02-01

78

papers

1,832

citations

236925

25

h-index

302126

39

g-index

85

all docs

85

docs citations

85

times ranked

2602

citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Acylated saponins and flavonoid glycosides from the fruits of <i>Stewartia koreana</i> . <i>Phytochemistry</i> , 2022, 193, 112980.   | 2.9 | 1         |
| 2  | A Multitarget Approach to Evaluate the Efficacy of <i>Aquilaria sinensis</i> Flower Extract against Metabolic Syndrome. <i>Molecules</i> , 2022, 27, 629.   | 3.8 | 4         |
| 3  | 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.   | 3.5 | 1         |
| 4  | 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.   | 3.0 | 14        |
| 5  | 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.  | 3.8 | 4         |
| 6  | 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.   | 3.0 | 6         |
| 7  | 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.                           | 4.0 | 3         |
| 8  | Prenylated Flavonoid Glycosides with PCSK9 mRNA Expression Inhibitory Activity from the Aerial Parts of <i>Epimedium koreanum</i> . <i>Molecules</i> , 2021, 26, 3590.  | 3.8 | 2         |
| 9  | 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. | 4.1 | 11        |
| 10 | 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.  | 1.1 | 1         |
| 11 | Standardized Extract of <i>Atractylodes Rhizoma Alba</i> and <i>Fructus Schisandrae</i> Ameliorates Coughing and Increases Expectoration of Phlegm. <i>Molecules</i> , 2020, 25, 3064.  | 3.8 | 2         |
| 12 | Transcriptome Analysis Illuminates a Hub Role of SREBP2 in Cholesterol Metabolism by $\beta$ -Mangostin. <i>ACS Omega</i> , 2020, 5, 31126-31136.   | 3.5 | 10        |
| 13 | 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.   | 3.8 | 7         |
| 14 | 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.  | 4.1 | 16        |
| 15 | 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.  | 1.4 | 6         |
| 16 | YDJC Induces Epithelial-Mesenchymal Transition via Escaping from Interaction with CDC16 through Ubiquitination of PP2A. <i>Journal of Oncology</i> , 2019, 2019, 1-15.  | 1.3 | 8         |
| 17 | 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.   | 3.4 | 5         |
| 18 | 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.                  | 3.0 | 34        |

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|----|---|-----|-----------|
| 19 | Molecular Targets of Genistein and Its Related Flavonoids to Exert Anticancer Effects. International Journal of Molecular Sciences, 2019, 20, 2420.   | 4.1 | 60        |
| 20 | Lonicera japonica extract increases metformin distribution in the liver without change of systemic exposed metformin in rats. Journal of Ethnopharmacology, 2019, 238, 111892.  | 4.1 | 14        |
| 21 | Furylhydroquinones and miscellaneous compounds from the roots of <i>Lithospermum erythrorhizon</i> and their anti-inflammatory effect in HaCaT cells. Natural Product Research, 2019, 33, 1691-1698.  | 1.8 | 6         |
| 22 | Two new lathyrane-type diterpenoid glycosides with IL-6 production inhibitory activity from the roots of <i>Euphorbia kansui</i> . Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1207-1210.   | 2.2 | 11        |
| 23 | Sauchinone controls hepatic cholesterol homeostasis by the negative regulation of PCSK9 transcriptional network. Scientific Reports, 2018, 8, 6737.   | 3.3 | 26        |
| 24 | Spiroketones and a Biphenyl Analog from Stems and Leaves of <i>Larrea nitida</i> and Their Inhibitory Activity against IL-6 Production. Molecules, 2018, 23, 302.   | 3.8 | 2         |
| 25 | Discovery of Flavonoids from <i>Scutellaria baicalensis</i> with Inhibitory Activity Against PCSK 9 Expression: Isolation, Synthesis and Their Biological Evaluation. Molecules, 2018, 23, 504.   | 3.8 | 20        |
| 26 | Korean red ginseng extract enhances paclitaxel distribution to mammary tumors and its oral bioavailability by P-glycoprotein inhibition. Xenobiotica, 2017, 47, 450-459.  | 1.1 | 13        |
| 27 | Lignans from the fruits of <i>Schisandra chinensis</i> (Turcz.) Baill inhibit proprotein convertase subtilisin/kexin type 9 expression. Phytochemistry, 2017, 136, 119-124.   | 2.9 | 27        |
| 28 | Alkaloids from aerial parts of <i>Houttuynia cordata</i> and their anti-inflammatory activity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2807-2811.   | 2.2 | 26        |
| 29 | Î±-Mangostin ameliorates dextran sulfate sodium-induced colitis through inhibition of NF-Î²B and MAPK pathways. International Immunopharmacology, 2017, 49, 212-221.  | 3.8 | 43        |
| 30 | SKI3301, a purified herbal extract from <i>Sophora tonkinensis</i> , inhibited airway inflammation and bronchospasm in allergic asthma animal models in vivo. Journal of Ethnopharmacology, 2017, 206, 298-305.                                     | 4.1 | 23        |
| 31 | Multidrug and toxin extrusion protein 1-mediated interaction of metformin and <i>Scutellariae radix</i> in rats. Xenobiotica, 2017, 47, 998-1007.   | 1.1 | 11        |
| 32 | 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. Journal of Agricultural and Food Chemistry, 2017, 65, 6152-6157. | 5.2 | 26        |
| 33 | Chemical Constituents with Proprotein Convertase Subtilisin/Kexin Type 9 mRNA Expression Inhibitory Activity from Dried Immature <i>Morus alba</i> Fruits. Journal of Agricultural and Food Chemistry, 2017, 65, 5316-5321.                         | 5.2 | 40        |
| 34 | Mangosteen Extract Prevents Dextran Sulfate Sodium-Induced Colitis in Mice by Suppressing NF-Î²B Activation and Inflammation. Journal of Medicinal Food, 2017, 20, 727-733.   | 1.5 | 16        |
| 35 | 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-Î²B) Pathways. Natural Product Sciences, 2017, 23, 1.                                  | 0.9 | 8         |
| 36 | Dereplication-Guided Isolation of New Phenylpropanoid-Substituted Diglycosides from <i>Cistanche salsa</i> and Their Inhibitory Activity on NO Production in Macrophage. Molecules, 2017, 22, 1138.   | 3.8 | 7         |

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|----|---|-----|-----------|
| 37 | Atractylodin Inhibits Interleukin-6 by Blocking NPM-ALK Activation and MAPKs in HMC-1. <i>Molecules</i> , 2016, 21, 1169.   | 3.8 | 19        |
| 38 | Anti-Inflammatory Effects of 6,8-Diprenyl-7,4-dihydroxyflavanone from <i>Sophora tonkinensis</i> on Lipopolysaccharide-Stimulated RAW 264.7 Cells. <i>Molecules</i> , 2016, 21, 1049.   | 3.8 | 15        |
| 39 | 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.  | 1.5 | 25        |
| 40 | 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.   | 1.4 | 12        |
| 41 | Isoliquiritigenin ameliorates dextran sulfate sodium-induced colitis through the inhibition of MAPK pathway. <i>International Immunopharmacology</i> , 2016, 31, 223-232.   | 3.8 | 41        |
| 42 | Mangosteen Extract Attenuates the Metabolic Disorders of High-Fat-Fed Mice by Activating AMPK. <i>Journal of Medicinal Food</i> , 2016, 19, 148-154.  | 1.5 | 30        |
| 43 | <i>Euphorbia supina</i> inhibits inflammatory mediators in mouse bone marrow-derived mast cells and macrophages. <i>International Immunopharmacology</i> , 2015, 29, 966-973.   | 3.8 | 5         |
| 44 | Flavonoids from <i>Symplocos racemosa</i> . <i>Molecules</i> , 2015, 20, 358-365.   | 3.8 | 14        |
| 45 | In Vivo Gastroprotective Effect along with Pharmacokinetics, Tissue Distribution and Metabolism of Isoliquiritigenin in Mice. <i>Planta Medica</i> , 2015, 81, 586-593.   | 1.3 | 24        |
| 46 | $\hat{\pm}$ -Mangostin Regulates Hepatic Steatosis and Obesity through SirT1-AMPK and PPAR $\gamma$ Pathways in High-Fat Diet-Induced Obese Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8399-8406.  | 5.2 | 68        |
| 47 | 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. | 0.3 | 6         |
| 48 | 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.   | 2.2 | 32        |
| 49 | A Citrus Flavonoid, 6-Demethoxytangeretin, Suppresses Production and Gene Expression of Interleukin-6 in Human Mast Cell-1 and Anaplastic Lymphoma Kinase and Mitogen-Activated Protein Kinase Pathways. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 871-876.   | 1.4 | 8         |
| 50 | Anti-adipogenic Constituents from <i>Dioscorea opposita</i> in 3T3-L1 Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1683-1688.   | 1.4 | 10        |
| 51 | 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.  | 0.3 | 3         |
| 52 | Anti-inflammatory properties of a triterpenoidal glycoside from <i>Momordica cochinchinensis</i> LPS-stimulated macrophages. <i>Immunopharmacology and Immunotoxicology</i> , 2013, 35, 8-14.   | 2.4 | 26        |
| 53 | Anti-allergic Flavones from <i>Arthraxon hispidus</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 920-926.  | 1.3 | 9         |
| 54 | 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.  | 2.4 | 6         |

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|----|---|-----|-----------|
| 55 | 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.  | 3.8 | 27        |
| 56 | 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.   | 2.4 | 23        |
| 57 | Mangosteen xanthones, $\hat{1}\pm$ - and $\hat{1}^3$ -mangostins, inhibit allergic mediators in bone marrow-derived mast cell. <i>Food Chemistry</i> , 2012, 134, 397-400.  | 8.2 | 36        |
| 58 | 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.  | 1.2 | 65        |
| 59 | Anti-inflammatory Diterpene from <i>Thyrsanthera suborbicularis</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 382-384.  | 1.3 | 10        |
| 60 | 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.   | 2.4 | 13        |
| 61 | Anti-inflammatory Constituents from the Roots of <i>Saposhnikovia divaricata</i> . <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2132-2134.  | 1.9 | 13        |
| 62 | Antibacterial Activity of <i>Hylomecon hylomeconoides</i> Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2467-2474.  | 2.9 | 18        |
| 63 | 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.  | 1.8 | 82        |
| 64 | 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.  | 3.8 | 30        |
| 65 | Bisamides from the Twigs of <i>Aglaia perviridis</i> Collected in Vietnam. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2665-2667.  | 1.9 | 12        |
| 66 | Antibacterial Activity of Methyl Gallate Isolated from <i>Galla Rhois</i> or Carvacrol Combined with Nalidixic Acid Against Nalidixic Acid Resistant Bacteria. <i>Molecules</i> , 2009, 14, 1773-1780.  | 3.8 | 83        |
| 67 | 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.   | 3.8 | 63        |
| 68 | 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.  | 7.1 | 128       |
| 69 | 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.   | 3.8 | 48        |
| 70 | 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. | 1.4 | 11        |
| 71 | 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.   | 2.8 | 64        |
| 72 | 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.    | 3.5 | 31        |

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|----|--|-----|-----------|
| 73 | Anti-Nociceptive and Anti-Inflammatory Effects of Angelicae Dahuricae Radix Through Inhibition of the Expression of Inducible Nitric Oxide Synthase and NO Production. The American Journal of Chinese Medicine, 2008, 36, 913-928.  | 3.8 | 37        |
| 74 | In Vitro Activity of Methyl Gallate Isolated from Galla Rhois Alone and in Combination with Ciprofloxacin Against Clinical Isolates of Salmonella. Journal of Microbiology and Biotechnology, 2008, 18, 1848-1852.   | 2.1 | 33        |
| 75 | Mume Fructus Water Extract Inhibits Pro-Inflammatory Mediators in Lipopolysaccharide-Stimulated Macrophages. Journal of Medicinal Food, 2007, 10, 460-466.   | 1.5 | 42        |
| 76 | Ethyl acetate extract from Angelica Dahuricae Radix inhibits lipopolysaccharide-induced production of nitric oxide, prostaglandin E2 and tumor necrosis factor- $\alpha$ via mitogen-activated protein kinases and nuclear factor- $\kappa$ B in macrophages. Pharmacological Research, 2007, 55, 263-270. | 7.1 | 51        |
| 77 | Antibacterial effect of Dryopteris crassirhizoma against methicillin-resistant Staphylococcus aureus. FÄ-toterapÄ-Äç, 2007, 78, 430-433.   | 2.2 | 23        |
| 78 | Effects of the Schisandra Fructus Water Extract on Cytokine Release from a Human Mast Cell Line. Journal of Medicinal Food, 2006, 9, 480-486.  | 1.5 | 15        |