

# Chang-Seon Myung

## List of Publications by Year in descending order

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90  
papers

1,981  
citations

257101

24  
h-index

315357

38  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2410  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Enhanced siRNA delivery using cationic liposomes with new polyarginine-conjugated PEG-lipid. <i>International Journal of Pharmaceutics</i> , 2010, 392, 141-147.   | 2.6 | 106       |
| 2  | Effect of Eriodictyol on Glucose Uptake and Insulin Resistance in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7652-7658.  | 2.4 | 97        |
| 3  | Differential Activity of the G Protein $\beta_2$ Subunit at Receptors and Effectors. <i>Journal of Biological Chemistry</i> , 1998, 273, 34429-34436.  | 1.6 | 82        |
| 4  | Improvement of memory by dieckol and phlorofucofuroeckol in ethanol-treated mice: Possible involvement of the inhibition of acetylcholinesterase. <i>Archives of Pharmacal Research</i> , 2005, 28, 691-698.   | 2.7 | 79        |
| 5  | Role of Isoprenoid Lipids on the Heterotrimeric G Protein $\beta_3$ Subunit in Determining Effector Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 16595-16603.   | 1.6 | 76        |
| 6  | The Effects of Propionate and Valerate on Insulin Responsiveness for Glucose Uptake in 3T3-L1 Adipocytes and C2C12 Myotubes via G Protein-Coupled Receptor 41. <i>PLoS ONE</i> , 2014, 9, e95268.  | 1.1 | 55        |
| 7  | Age-related changes in hepatic expression and activity of cytochrome P450 in male rats. <i>Archives of Toxicology</i> , 2010, 84, 939-946.   | 1.9 | 52        |
| 8  | Receptor-G Protein $\beta_3$ Specificity: $\beta_{11}$ Shows Unique Potency for A1Adenosine and 5-HT1AReceptors. <i>Biochemistry</i> , 2001, 40, 10532-10541.  | 1.2 | 51        |
| 9  | Phosphorylation of the G Protein $\beta_{12}$ Subunit Regulates Effector Specificity. <i>Journal of Biological Chemistry</i> , 1998, 273, 21958-21965.   | 1.6 | 50        |
| 10 | Tadalafil-loaded nanostructured lipid carriers using permeation enhancers. <i>International Journal of Pharmaceutics</i> , 2015, 495, 701-709.   | 2.6 | 49        |
| 11 | Differential Sensitivity of Phosphatidylinositol 3-Kinase $\beta_{10}$ to Isoforms of G Protein $\beta_{12}$ Dimers. <i>Journal of Biological Chemistry</i> , 2004, 279, 44554-44562.  | 1.6 | 46        |
| 12 | 7-O-Methylaromadendrin Stimulates Glucose Uptake and Improves Insulin Resistance in Vitro. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1494-1499.  | 0.6 | 46        |
| 13 | Cucurbitane Triterpenoids from the Fruits of <i>Momordica Charantia</i> Improve Insulin Sensitivity and Glucose Homeostasis in Streptozotocin-Induced Diabetic Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700769.  | 1.5 | 42        |
| 14 | Rubiaronone C inhibits platelet-derived growth factor-induced proliferation and migration of vascular smooth muscle cells through the focal adhesion kinase, MAPK and STAT3 Tyr <sup>705</sup> signalling pathways. <i>British Journal of Pharmacology</i> , 2017, 174, 4140-4154. | 2.7 | 40        |
| 15 | Minor Ginsenoside Rg2 and Rh1 Attenuates LPS-Induced Acute Liver and Kidney Damages via Downregulating Activation of TLR4-STAT1 and Inflammatory Cytokine Production in Macrophages. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6656.                          | 1.8 | 40        |
| 16 | Morusinol Extracted from <i>Morus Alba</i> ; Inhibits Arterial Thrombosis and Modulates Platelet Activation for the Treatment of Cardiovascular Disease. <i>Journal of Atherosclerosis and Thrombosis</i> , 2012, 19, 516-522.   | 0.9 | 35        |
| 17 | Steroidal Alkaloids from <i>Veratrum nigrum</i> Enhance Glucose Uptake in Skeletal Muscle Cells. <i>Journal of Natural Products</i> , 2015, 78, 803-810.   | 1.5 | 33        |
| 18 | Stimulation of Glucose Uptake and Improvement of Insulin Resistance by Aromadendrin. <i>Pharmacology</i> , 2011, 88, 266-274.  | 0.9 | 32        |

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|----|--|-----|-----------|
| 19 | Selective Coupling of G Protein $\hat{1}^2\hat{1}^3$ Complexes to Inhibition of Ca <sup>2+</sup> Channels. <i>Journal of Biological Chemistry</i> , 2000, 275, 28380-28385.  | 1.6 | 29        |
| 20 | Pentacyclic Triterpenoids from <i>Astilbe rivularis</i> that Enhance Glucose Uptake via the Activation of Akt and Erk1/2 in C2C12 Myotubes. <i>Journal of Natural Products</i> , 2015, 78, 1005-1014.                                  | 1.5 | 29        |
| 21 | Ginsenoside Rh1 Induces MCF-7 Cell Apoptosis and Autophagic Cell Death through ROS-Mediated Akt Signaling. <i>Cancers</i> , 2021, 13, 1892.  | 1.7 | 29        |
| 22 | Regions in the G Protein $\hat{1}^3$ Subunit Important for Interaction with Receptors and Effectors. <i>Molecular Pharmacology</i> , 2006, 69, 877-887.  | 1.0 | 27        |
| 23 | (2S)-Naringenin from <i>Typha angustata</i> inhibits vascular smooth muscle cell proliferation via a G0/G1 arrest. <i>Journal of Ethnopharmacology</i> , 2012, 139, 873-878.   | 2.0 | 26        |
| 24 | Ginsenoside-Rg2 exerts anti-cancer effects through ROS-mediated AMPK activation associated mitochondrial damage and oxidation in MCF-7 cells. <i>Archives of Pharmacal Research</i> , 2021, 44, 702-712.                               | 2.7 | 26        |
| 25 | Ginsenoside Rh1 Prevents Migration and Invasion through Mitochondrial ROS-Mediated Inhibition of STAT3/NF- $\hat{1}^B$ Signaling in MDA-MB-231 Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10458.            | 1.8 | 26        |
| 26 | Role of the Isoprenyl Pocket of the G Protein $\hat{1}^2\hat{1}^3$ Subunit Complex in the Binding of Phosducin and Phosducin-like Protein. <i>Biochemistry</i> , 2004, 43, 5651-5660.  | 1.2 | 25        |
| 27 | A new iridoid and effect on the rat aortic vascular smooth muscle cell proliferation of isolated compounds from <i>Buddleja officinalis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3462-3466.                 | 1.0 | 24        |
| 28 | Herbal medicine (Shaofu Zhuyu decoction) for treating primary dysmenorrhea: A systematic review of randomized clinical trials. <i>Maturitas</i> , 2016, 86, 64-73.   | 1.0 | 24        |
| 29 | Sesamin Inhibits PDGF-Mediated Proliferation of Vascular Smooth Muscle Cells by Upregulating p21 and p27. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7317-7325.   | 2.4 | 23        |
| 30 | Inhibitory effect of fenofibrate on neointima hyperplasia via G0/G1 arrest of cell proliferation. <i>European Journal of Pharmacology</i> , 2011, 650, 342-349.  | 1.7 | 22        |
| 31 | Arborinane Triterpenoids from <i>Rubia philippinensis</i> Inhibit Proliferation and Migration of Vascular Smooth Muscle Cells Induced by the Platelet-Derived Growth Factor. <i>Journal of Natural Products</i> , 2016, 79, 2559-2569. | 1.5 | 21        |
| 32 | Role of neuropeptide Y and proopiomelanocortin in fluoxetine-induced anorexia. <i>Archives of Pharmacal Research</i> , 2005, 28, 716-721.  | 2.7 | 20        |
| 33 | Stress induces the expression of heterotrimeric G protein $\hat{1}^2$ subunits and the phosphorylation of PKB/Akt and ERK1/2 in rat brain. <i>Neuroscience Research</i> , 2006, 56, 180-192.   | 1.0 | 20        |
| 34 | Inhibition of Collagen-Induced Platelet Aggregation by the Secobutanolide Secolincomolide A from <i>Lindera obtusiloba</i> Blume. <i>Frontiers in Pharmacology</i> , 2017, 8, 560.   | 1.6 | 20        |
| 35 | Lipolytic effect of compounds isolated from leaves of mulberry ( <i>Morus alba</i> L.) in 3T3-L1 adipocytes. <i>Natural Product Research</i> , 2018, 32, 1963-1966.  | 1.0 | 20        |
| 36 | Sodium propionate exerts anticancer effect in mice bearing breast cancer cell xenograft by regulating JAK2/STAT3/ROS/p38 MAPK signaling. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1311-1323.                                      | 2.8 | 20        |

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|----|---|-----|-----------|
| 37 | PPAR $\beta$ activation abolishes LDL-induced proliferation of human aortic smooth muscle cells via SOD-mediated down-regulation of superoxide. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 1017-1023.  | 1.0 | 19        |
| 38 | Activation of PKC $\delta$ and PKC $\zeta$ is essential for LDL-induced cell proliferation of human aortic smooth muscle cells via Gi-mediated Erk1/2 activation and Egr-1 upregulation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 126-131. | 1.0 | 17        |
| 39 | <i>Garcinia cambogia</i> attenuates adipogenesis by affecting CEBPB and SQSTM1/p62-mediated selective autophagic degradation of KLF3 through RPS6KA1 and STAT3 suppression. <i>Autophagy</i> , 2022, 18, 518-539.   | 4.3 | 17        |
| 40 | Therapeutic effects of celecoxib polymeric systems in rat models of inflammation and adjuvant-induced rheumatoid arthritis. <i>Materials Science and Engineering C</i> , 2020, 114, 111042.   | 3.8 | 16        |
| 41 | <i>Garcinia cambogia</i> Ameliorates Non-Alcoholic Fatty Liver Disease by Inhibiting Oxidative Stress-Mediated Steatosis and Apoptosis through NRF2-ARE Activation. <i>Antioxidants</i> , 2021, 10, 1226.   | 2.2 | 16        |
| 42 | The protective effects of paclitaxel on platelet aggregation through the inhibition of thromboxane A2 synthase. <i>Archives of Pharmacal Research</i> , 2010, 33, 387-394.  | 2.7 | 15        |
| 43 | Anti-proliferative actions of 2-decylamino-5,8-dimethoxy-1,4-naphthoquinone in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 213-218.   | 1.0 | 15        |
| 44 | Hepatoprotective effects of an <i>Acer tegmentosum</i> Maxim extract through antioxidant activity and the regulation of autophagy. <i>Journal of Ethnopharmacology</i> , 2019, 239, 111912.   | 2.0 | 15        |
| 45 | Effects of unaltered and bioconverted mulberry leaf extracts on cellular glucose uptake and antidiabetic action in animals. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 55.   | 3.7 | 15        |
| 46 | <i>Garcinia cambogia</i> suppresses adipogenesis in 3T3-L1 cells by inhibiting p90RSK and Stat3 activation during mitotic clonal expansion. <i>Journal of Cellular Physiology</i> , 2021, 236, 1822-1839.   | 2.0 | 15        |
| 47 | Regulation of autophagy by controlling Erk1/2 and mTOR for platelet-derived growth factor-BB-mediated vascular smooth muscle cell phenotype shift. <i>Life Sciences</i> , 2021, 267, 118978.  | 2.0 | 15        |
| 48 | Construction of adiponectin-encoding plasmid DNA and gene therapy of non-obese type 2 diabetes mellitus. <i>Journal of Drug Targeting</i> , 2010, 18, 67-77.  | 2.1 | 14        |
| 49 | Formulation and statistical analysis of an herbal medicine tablet containing <i>Morus alba</i> leaf extracts. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 625-634.   | 2.7 | 14        |
| 50 | Inhibition of p90RSK activation sensitizes triple-negative breast cancer cells to cisplatin by inhibiting proliferation, migration and EMT. <i>BMB Reports</i> , 2019, 52, 706-711.   | 1.1 | 14        |
| 51 | Synergistic decrease in blood pressure by captopril combined with losartan in spontaneous hypertensive rats. <i>Archives of Pharmacal Research</i> , 2009, 32, 955-962.   | 2.7 | 13        |
| 52 | Enhanced effect of losartan and rosuvastatin on neointima hyperplasia. <i>Archives of Pharmacal Research</i> , 2010, 33, 593-600.   | 2.7 | 13        |
| 53 | A potential inhibitor of rat aortic vascular smooth muscle cell proliferation from the pollen of <i>Typha angustata</i> . <i>Archives of Pharmacal Research</i> , 2010, 33, 1937-1942.  | 2.7 | 13        |
| 54 | Sphingosylphosphorylcholine Attenuated $\beta$ -Amyloid Production by Reducing BACE1 Expression and Catalysis in PC12 Cells. <i>Neurochemical Research</i> , 2011, 36, 2083-2090.   | 1.6 | 13        |

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|----|---|-----|-----------|
| 55 | Inhibition of Proliferation of Vascular Smooth Muscle Cells by Cucurbitanes from <i>Momordica charantia</i> . <i>Journal of Natural Products</i> , 2017, 80, 2018-2025.   | 1.5 | 13        |
| 56 | Anti-apoptotic effects of autophagy via ROS regulation in microtubule-targeted and PDGF-stimulated vascular smooth muscle cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 349.  | 0.6 | 13        |
| 57 | Region-specific reduction of $G\beta^{24}$ expression and induction of the phosphorylation of PKB/Akt and ERK1/2 by aging in rat brain. <i>Pharmacological Research</i> , 2007, 56, 295-302.  | 3.1 | 12        |
| 58 | Extract of <i>Ulmus macrocarpa</i> Hance prevents thrombus formation through antiplatelet activity. <i>Molecular Medicine Reports</i> , 2013, 8, 726-730.   | 1.1 | 12        |
| 59 | Inhibitory Effect of Ginsenosides Rh1 and Rg2 on Oxidative Stress in LPS-Stimulated RAW 264.7 Cells. <i>Journal of Bacteriology and Virology</i> , 2018, 48, 156.   | 0.0 | 12        |
| 60 | Cytokine-induced apoptosis inhibitor 1 (CIAPIN1) accelerates vascular remodelling via p53 and JAK2-STAT3 regulation in vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 2021, 178, 4533-4551.   | 2.7 | 12        |
| 61 | Delivery of interleukin-18 gene to lung cancer cells using cationic emulsion. <i>Journal of Drug Targeting</i> , 2009, 17, 19-28.   | 2.1 | 11        |
| 62 | Inhibition of p90RSK is critical to abolish Angiotensin II-induced rat aortic smooth muscle cell proliferation and migration. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 267-273.  | 1.0 | 11        |
| 63 | Reconstitution of G protein-coupled receptors with recombinant G protein $\alpha$ and $\beta\gamma$ subunits. <i>Methods in Enzymology</i> , 2002, 343, 372-393.  | 0.4 | 10        |
| 64 | A Mechanism of Vasodilatory Action of Polyamines and Acetylpolyamines: Possible Involvement of their $Ca^{2+}$ Antagonistic Properties. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 695-707.  | 1.2 | 10        |
| 65 | Murrayafoline A Induces a $G_{i/o}$ / $G_{12}$ -Phase Arrest in Platelet-Derived Growth Factor-Stimulated Vascular Smooth Muscle Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 421.   | 0.6 | 10        |
| 66 | Herbal medicine Shaofu Zhuyu decoction for primary dysmenorrhea: a systematic review protocol. <i>Systematic Reviews</i> , 2016, 5, 9.  | 2.5 | 10        |
| 67 | Ginsenoside Rh1 Inhibits Angiotensin II-Induced Vascular Smooth Muscle Cell Migration and Proliferation through Suppression of the ROS-Mediated ERK1/2/p90RSK/KLF4 Signaling Pathway. <i>Antioxidants</i> , 2022, 11, 643.                                    | 2.2 | 10        |
| 68 | Antiplatelet action of indirubin-3- $\beta$ -monoxime through suppression of glycoprotein VI-mediated signal transduction: A possible role for ERK signaling in platelets. <i>Vascular Pharmacology</i> , 2014, 63, 182-192.                                  | 1.0 | 9         |
| 69 | Inhibitory effect of a novel naphthoquinone derivative on proliferation of vascular smooth muscle cells through suppression of platelet-derived growth factor receptor $\beta_2$ tyrosine kinase. <i>European Journal of Pharmacology</i> , 2014, 733, 81-89. | 1.7 | 9         |
| 70 | Differential Gene Expression in GPR40-Overexpressing Pancreatic $\beta$ -cells Treated with Linoleic Acid. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 141.  | 0.6 | 9         |
| 71 | Drug synergism of antihypertensive action in combination of telmisartan with lercanidipine in spontaneous hypertensive rats. <i>Archives of Pharmacal Research</i> , 2010, 33, 1411-1418.   | 2.7 | 8         |
| 72 | Combined delivery of the adiponectin gene and rosiglitazone using cationic lipid emulsions. <i>International Journal of Pharmaceutics</i> , 2015, 483, 124-130.   | 2.6 | 8         |

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| 73 | Synergistic improvement in insulin resistance with a combination of fenofibrate and rosiglitazone in obese type 2 diabetic mice. <i>Archives of Pharmacal Research</i> , 2011, 34, 615-624.  | 2.7 | 7         |
| 74 | Alleviation of ascorbic acid-induced gastric high acidity by calcium ascorbate in vitro and in vivo. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 35.  | 0.6 | 7         |
| 75 | Rosuvastatin Inhibits the Apoptosis of Platelet-Derived Growth Factor- $\alpha$ -Stimulated Vascular Smooth Muscle Cells by Inhibiting p38 via Autophagy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 378, 10-19. | 1.3 | 7         |
| 76 | Development of an Assay for Phospholipase C Using Column-Reconstituted, Extruded Phospholipid Vesicles. <i>Analytical Biochemistry</i> , 1999, 270, 303-313.   | 1.1 | 6         |
| 77 | Effects of repeated administration of <i>Uncaria hookeri</i> on the acquisition and central neuronal activities in ethanol-treated mice. <i>Journal of Ethnopharmacology</i> , 2004, 94, 123-128.  | 2.0 | 6         |
| 78 | 5,8-Dimethoxy-2-Nonylamino-Naphthalene-1,4-Dione Inhibits Vascular Smooth Muscle Cell Proliferation by Blocking Autophosphorylation of PDGF-Receptor $\beta$ . <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 203.       | 0.6 | 6         |
| 79 | The effects of combined treatment of losartan and ramipril on hypertension and related complications. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 573-581.  | 2.7 | 6         |
| 80 | <i>Garcinia Cambogia</i> Improves High-Fat Diet-Induced Glucose Imbalance by Enhancing Calcium/CaMKII/AMPK/GLUT4-Mediated Glucose Uptake in Skeletal Muscle. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100669.            | 1.5 | 6         |
| 81 | Analytical HPLC Method Validation of Amiloride and Its Pharmacokinetic Study in Humans. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 2455-2466.  | 0.5 | 5         |
| 82 | The combination of valsartan and ramipril protects against blood vessel injury and lowers blood pressure. <i>Journal of Pharmaceutical Investigation</i> , 2016, 46, 265-272.  | 2.7 | 5         |
| 83 | Statistical Design of Sustained-Release Tablet <i>Garcinia cambogia</i> Extract and Bioconverted Mulberry Leaf Extract for Anti-Obesity. <i>Pharmaceutics</i> , 2020, 12, 932.   | 2.0 | 5         |
| 84 | Preliminary study to determine the optimal conditions for the simultaneous complexation of siRNA and plasmid DNA. <i>Journal of Pharmaceutical Investigation</i> , 2013, 43, 499-505.  | 2.7 | 3         |
| 85 | Traditional medicine, <i>Sobokchukeo-Tang</i> , modulates the inflammatory response in adipocytes and macrophages. <i>Molecular Medicine Reports</i> , 2017, 15, 117-124.  | 1.1 | 3         |
| 86 | Effects of combination therapy with candesartan and ramipril on hypertension and related complications. <i>Journal of Pharmaceutical Investigation</i> , 2017, 47, 365-371.  | 2.7 | 3         |
| 87 | The combined effects of telmisartan and ramipril on hypertension and cardiovascular injury. <i>Journal of Pharmaceutical Investigation</i> , 2022, 52, 443-451.  | 2.7 | 3         |
| 88 | Effects of combination treatment with cilnidipine and telmisartan on hypertension, cardiovascular injury, and high blood glucose. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 337-346.                                      | 2.7 | 2         |
| 89 | Synthesis of Novel <i>N</i> -substituted Carbazole Derivatives and Evaluation of their Abilities to Inhibit Platelet Aggregation. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 726-728.                                      | 1.0 | 1         |
| 90 | Correction: Inhibitory Effect of Ginsenosides Rh1 and Rg2 on Oxidative Stress in LPS-Stimulated RAW 264.7 Cells. <i>Journal of Bacteriology and Virology</i> , 2019, 49, 93.   | 0.0 | 0         |