

Kyung-Sun Heo

List of Publications by Year in descending order

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61
papers

2,592
citations

236612

25
h-index

205818

48
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63
all docs

63
docs citations

63
times ranked

3451
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a genome-wide set of gene deletions in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Nature Biotechnology</i> , 2010, 28, 617-623.	9.4	649
2	CYLD negatively regulates transforming growth factor- β -signalling via deubiquitinating Akt. <i>Nature Communications</i> , 2012, 3, 771.	5.8	128
3	Shear Stress and Atherosclerosis. <i>Molecules and Cells</i> , 2014, 37, 435-440.	1.0	117
4	A Crucial Role for p90RSK-Mediated Reduction of ERK5 Transcriptional Activity in Endothelial Dysfunction and Atherosclerosis. <i>Circulation</i> , 2013, 127, 486-499.	1.6	103
5	PKC ζ mediates disturbed flow-induced endothelial apoptosis via p53 SUMOylation. <i>Journal of Cell Biology</i> , 2011, 193, 867-884.	2.3	100
6	De-SUMOylation Enzyme of Sentrin/SUMO-Specific Protease 2 Regulates Disturbed Flow-Induced SUMOylation of ERK5 and p53 that Leads to Endothelial Dysfunction and Atherosclerosis. <i>Circulation Research</i> , 2013, 112, 911-923.	2.0	89
7	Disturbed-Flow-Mediated Vascular Reactive Oxygen Species Induce Endothelial Dysfunction. <i>Circulation Journal</i> , 2011, 75, 2722-2730.	0.7	83
8	Disturbed flow-activated p90RSK kinase accelerates atherosclerosis by inhibiting SENP2 function. <i>Journal of Clinical Investigation</i> , 2015, 125, 1299-1310.	3.9	76
9	PKC ζ decreases eNOS protein stability via inhibitory phosphorylation of ERK5. <i>Blood</i> , 2010, 116, 1971-1979.	0.6	67
10	ERK5 Activation in Macrophages Promotes Efferocytosis and Inhibits Atherosclerosis. <i>Circulation</i> , 2014, 130, 180-191.	1.6	61
11	Disturbed Flow-Induced Endothelial Proatherogenic Signaling <i>via</i> Regulating Post-Translational Modifications and Epigenetic Events. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 435-450.	2.5	57
12	Identification of Activators of ERK5 Transcriptional Activity by High-Throughput Screening and the Role of Endothelial ERK5 in Vasoprotective Effects Induced by Statins and Antimalarial Agents. <i>Journal of Immunology</i> , 2014, 193, 3803-3815.	0.4	51
13	p90RSK Targets the ERK5-CHIP Ubiquitin E3 Ligase Activity in Diabetic Hearts and Promotes Cardiac Apoptosis and Dysfunction. <i>Circulation Research</i> , 2012, 110, 536-550.	2.0	46
14	Senescent Phenotype Induced by p90RSK-NRF2 Signaling Sensitizes Monocytes and Macrophages to Oxidative Stress in HIV-Positive Individuals. <i>Circulation</i> , 2019, 139, 1199-1216.	1.6	45
15	MK2 SUMOylation regulates actin filament remodeling and subsequent migration in endothelial cells by inhibiting MK2 kinase and HSP27 phosphorylation. <i>Blood</i> , 2011, 117, 2527-2537.	0.6	42
16	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
17	Therapeutic targets for endothelial dysfunction in vascular diseases. <i>Archives of Pharmacal Research</i> , 2019, 42, 848-861.	2.7	42
18	Novel role of C terminus of Hsc70-interacting protein (CHIP) ubiquitin ligase on inhibiting cardiac apoptosis and dysfunction <i>via</i> regulating ERK5-mediated degradation of inducible cAMP early repressor. <i>FASEB Journal</i> , 2010, 24, 4917-4928.	0.2	41

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19	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 ⁷⁰⁵ signalling pathways. <i>British Journal of Pharmacology</i> , 2017, 174, 4140-4154.	2.7	40
20	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
21	Endothelial senescence is induced by phosphorylation and nuclear export of telomeric repeat binding factor 2-interacting protein. <i>JCI Insight</i> , 2019, 4, .	2.3	34
22	Glycoprotein isolated from <i>Ulmus davidiana</i> Nakai inhibits TPA-induced apoptosis through nuclear factor-kappa B in NIH/3T3 cells. <i>Toxicology Letters</i> , 2004, 146, 159-174.	0.4	33
23	Regulation of post-translational modification in breast cancer treatment. <i>BMB Reports</i> , 2019, 52, 113-118.	1.1	33
24	Protective effects of ginsenoside-Rg2 and -Rh1 on liver function through inhibiting TAK1 and STAT3-mediated inflammatory activity and Nrf2/ARE-mediated antioxidant signaling pathway. <i>Archives of Pharmacal Research</i> , 2021, 44, 241-252.	2.7	31
25	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
26	Role of mitochondrial dynamics and mitophagy of vascular smooth muscle cell proliferation and migration in progression of atherosclerosis. <i>Archives of Pharmacal Research</i> , 2021, 44, 1051-1061.	2.7	27
27	Therapeutic effects of ginsenosides on breast cancer growth and metastasis. <i>Archives of Pharmacal Research</i> , 2020, 43, 773-787.	2.7	26
28	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
29	Ginsenoside Rh1 Prevents Migration and Invasion through Mitochondrial ROS-Mediated Inhibition of STAT3/NF- κ B Signaling in MDA-MB-231 Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10458.	1.8	26
30	Antioxidative Effects of Glycoprotein Isolated from <i>Solanum nigrum</i> L.. <i>Journal of Medicinal Food</i> , 2004, 7, 349-357.	0.8	25
31	Ginsenoside-Rg2 affects cell growth via regulating ROS-mediated AMPK activation and cell cycle in MCF-7 cells. <i>Phytomedicine</i> , 2021, 85, 153549.	2.3	23
32	Cytotoxic effect of glycoprotein isolated from <i>Solanum nigrum</i> L. through the inhibition of hydroxyl radical-induced DNA-binding activities of NF-kappa B in HT-29 cells. <i>Environmental Toxicology and Pharmacology</i> , 2004, 17, 45-54.	2.0	22
33	Phosphorylation of Protein Inhibitor of Activated STAT1 (PIAS1) by MAPK-Activated Protein Kinase-2 Inhibits Endothelial Inflammation via Increasing Both PIAS1 Transrepression and SUMO E3 Ligase Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 321-329.	1.1	22
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	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
36	PPAR γ 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

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37	Activation of PKC β II and PKC δ 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
38	Glucagon-Like Peptide-1 and its Cardiovascular Effects. <i>Current Atherosclerosis Reports</i> , 2012, 14, 422-428.	2.0	16
39	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
40	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
41	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
42	Effects of glycoprotein isolated from <i>Rhus verniciflua</i> Stokes on TPA-induced apoptosis and production of cytokines in cultured mouse primary splenocytes. <i>Toxicology Letters</i> , 2003, 145, 261-271.	0.4	14
43	Glycoprotein Isolated from <i>Solanum nigrum</i> L. Modulates the Apoptotic-Related Signals in 12-O-Tetradecanoylphorbol 13-Acetate-Stimulated MCF-7 Cells. <i>Journal of Medicinal Food</i> , 2005, 8, 69-77.	0.8	14
44	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
45	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
46	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
47	Ginsenoside Rh1 inhibits tumor growth in MDA-MB-231 breast cancer cells via mitochondrial ROS and ER stress-mediated signaling pathway. <i>Archives of Pharmacal Research</i> , 2022, 45, 174-184.	2.7	13
48	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
49	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
50	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
51	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
52	Disturbed flow-induced FAK K152 SUMOylation initiates the formation of pro-inflammation positive feedback loop by inducing reactive oxygen species production in endothelial cells. <i>Free Radical Biology and Medicine</i> , 2021, 177, 404-418.	1.3	8
53	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
54	Rosuvastatin Inhibits the Apoptosis of Platelet-Derived Growth Factor-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

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55	Cl ⁻ channel is essential for LDL-induced cell proliferation via the activation of Erk1/2 and PI3k/Akt and the upregulation of Egr-1 in human aortic smooth muscle cells. <i>Molecules and Cells</i> , 2008, 26, 468-73.	1.0	7
56	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
57	LPS-stimulated Macrophage Activation Affects Endothelial Dysfunction. <i>Journal of Bacteriology and Virology</i> , 2018, 48, 23.	0.0	3
58	Therapeutic targets and drugs for hyper-proliferation of vascular smooth muscle cells. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 337-347.	2.7	3
59	Role for SUMOylation in disturbed flow-induced atherosclerotic plaque formation. <i>Biomedical Engineering Letters</i> , 2015, 5, 162-171.	2.1	2
60	p90RSK Activation Promotes Epithelial-Mesenchymal Transition in Cisplatin-Treated Triple-Negative Breast Cancer Cells. <i>Journal of Bacteriology and Virology</i> , 2019, 49, 221.	0.0	1
61	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