

Seon-Jin Lee

List of Publications by Year in descending order

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68
papers

6,589
citations

136740

32
h-index

95083

68
g-index

69
all docs

69
docs citations

69
times ranked

12847
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. <i>Nature Immunology</i> , 2011, 12, 222-230.	7.0	2,447
2	Heme oxygenase-1 accelerates erastin-induced ferroptotic cell death. <i>Oncotarget</i> , 2015, 6, 24393-24403.	0.8	422
3	Egr-1 Regulates Autophagy in Cigarette Smoke-Induced Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2008, 3, e3316.	1.1	403
4	Autophagy protein microtubule-associated protein 1 light chain-3B (LC3B) activates extrinsic apoptosis during cigarette smoke-induced emphysema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18880-18885.	3.3	334
5	Autophagic proteins regulate cigarette smoke induced apoptosis: Protective role of heme oxygenase-1. <i>Autophagy</i> , 2008, 4, 887-895.	4.3	195
6	Autophagic Protein LC3B Confers Resistance against Hypoxia-induced Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 649-658.	2.5	186
7	Astaxanthin inhibits nitric oxide production and inflammatory gene expression by suppressing I(kappa)B kinase-dependent NF-kappaB activation. <i>Molecules and Cells</i> , 2003, 16, 97-105.	1.0	186
8	Fractalkine stimulates angiogenesis by activating the Raf-1/MEK/ERK- and PI3K/Akt/eNOS-dependent signal pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2836-H2846.	1.5	171
9	Mitochondrial Dysfunction Induces Formation of Lipid Droplets as a Generalized Response to Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-10.	1.9	122
10	Prostaglandin E2 stimulates angiogenesis by activating the nitric oxide/cGMP pathway in human umbilical vein endothelial cells. <i>Experimental and Molecular Medicine</i> , 2005, 37, 588-600.	3.2	115
11	Beclin 1 deficiency is associated with increased hypoxia-induced angiogenesis. <i>Autophagy</i> , 2011, 7, 829-839.	4.3	109
12	Carbon Monoxide Activates Autophagy via Mitochondrial Reactive Oxygen Species Formation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 867-873.	1.4	109
13	Hyperoxia-Induced LC3B Interacts with the Fas Apoptotic Pathway in Epithelial Cell Death. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 507-514.	1.4	109
14	Carbon Monoxide Confers Protection in Sepsis by Enhancing Beclin 1-Dependent Autophagy and Phagocytosis. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 432-442.	2.5	102
15	Caveolin-1: a critical regulator of lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L151-L160.	1.3	99
16	Autophagy in Vascular Disease. <i>Proceedings of the American Thoracic Society</i> , 2010, 7, 40-47.	3.5	83
17	Collagen Triple Helix Repeat Containing 1 (CTHRC1) acts via ERK-dependent induction of MMP9 to promote invasion of colorectal cancer cells. <i>Oncotarget</i> , 2014, 5, 519-529.	0.8	68
18	Nitric Oxide Inhibition of Homocysteine-induced Human Endothelial Cell Apoptosis by Down-regulation of p53-dependent Noxa Expression through the Formation of S-Nitrosohomocysteine. <i>Journal of Biological Chemistry</i> , 2005, 280, 5781-5788.	1.6	66

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19	Autophagy in cigarette smoke-induced chronic obstructive pulmonary disease. <i>Expert Review of Respiratory Medicine</i> , 2010, 4, 573-584.	1.0	63
20	Vitexin induces apoptosis by suppressing autophagy in multi-drug resistant colorectal cancer cells. <i>Oncotarget</i> , 2018, 9, 3278-3291.	0.8	61
21	TXNIP Deficiency Exacerbates Endotoxic Shock via the Induction of Excessive Nitric Oxide Synthesis. <i>PLoS Pathogens</i> , 2013, 9, e1003646.	2.1	58
22	Distal vessel stiffening is an early and pivotal mechanobiological regulator of vascular remodeling and pulmonary hypertension. <i>JCI Insight</i> , 2016, 1, .	2.3	58
23	Two distinct cellular pathways leading to endothelial cell cytotoxicity by silica nanoparticle size. <i>Journal of Nanobiotechnology</i> , 2019, 17, 24.	4.2	54
24	Graphene oxide induces apoptotic cell death in endothelial cells by activating autophagy via calcium-dependent phosphorylation of c-Jun N-terminal kinases. <i>Acta Biomaterialia</i> , 2016, 46, 191-203.	4.1	49
25	Overexpression and clinical significance of carcinoembryonic antigen-related cell adhesion molecule 6 in colorectal cancer. <i>Clinica Chimica Acta</i> , 2013, 415, 12-19.	0.5	48
26	Erastin Inhibits Septic Shock and Inflammatory Gene Expression via Suppression of the NF- κ B Pathway. <i>Journal of Clinical Medicine</i> , 2019, 8, 2210.	1.0	45
27	Epigenetic modification of TLR4 promotes activation of NF- κ B by regulating methyl-CpG-binding domain protein 2 and Sp1 in gastric cancer. <i>Oncotarget</i> , 2016, 7, 4195-4209.	0.8	45
28	Protein Kinase C α and β Differentially Regulate Death-Inducing Signaling Complex Formation in Cigarette Smoke Extract-Induced Apoptosis. <i>Journal of Immunology</i> , 2008, 180, 4668-4678.	0.4	43
29	Inhibition of Farnesyltransferase Prevents Collagen-Induced Arthritis by Down-Regulation of Inflammatory Gene Expression through Suppression of p21 ^{ras} -Dependent NF- κ B Activation. <i>Journal of Immunology</i> , 2004, 173, 1276-1283.	0.4	42
30	Loss of NDRG2 promotes epithelial-mesenchymal transition of gallbladder carcinoma cells through MMP-19-mediated Slug expression. <i>Journal of Hepatology</i> , 2015, 63, 1429-1439.	1.8	40
31	Caveolin-1 mediates Fas β signaling in hyperoxia-induced apoptosis. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1252-1262.	1.3	39
32	Cystatin SN inhibits auranofin-induced cell death by autophagic induction and ROS regulation via glutathione reductase activity in colorectal cancer. <i>Cell Death and Disease</i> , 2017, 8, e2682-e2682.	2.7	37
33	p62 Sequestosome 1/Light Chain 3b Complex Confers Cytoprotection on Lung Epithelial Cells after Hyperoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 489-496.	1.4	33
34	Deletion of caveolin-1 protects hyperoxia-induced apoptosis via survivin-mediated pathways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L945-L953.	1.3	31
35	Protein phosphatase 1B dephosphorylates Rho guanine nucleotide dissociation inhibitor 1 and suppresses cancer cell migration and invasion. <i>Cancer Letters</i> , 2018, 417, 141-151.	3.2	28
36	The EF-hand calcium-binding protein tescalcin is a potential oncotarget in colorectal cancer. <i>Oncotarget</i> , 2014, 5, 2149-2160.	0.8	28

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37	Amiloride potentiates TRAIL-induced tumor cell apoptosis by intracellular acidification-dependent Akt inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 752-758.	1.0	27
38	Upregulation and secretion of kallikrein-related peptidase 6 (KLK6) in gastric cancer. <i>Tumor Biology</i> , 2012, 33, 731-738.	0.8	25
39	Dehydropeptidase 1 promotes metastasis through regulation of E-cadherin expression in colon cancer. <i>Oncotarget</i> , 2016, 7, 9501-9512.	0.8	24
40	Dynamic Interactions between Autophagosomes and Lipid Droplets in <i>Chlamydomonas reinhardtii</i> . <i>Cells</i> , 2019, 8, 992.	1.8	23
41	Vitexin confers HSF-1 mediated autophagic cell death by activating JNK and ApoL1 in colorectal carcinoma cells. <i>Oncotarget</i> , 2017, 8, 112426-112441.	0.8	22
42	Novel natural killer cell-mediated cancer immunotherapeutic activity of anisomycin against hepatocellular carcinoma cells. <i>Scientific Reports</i> , 2018, 8, 10668.	1.6	22
43	Trichostatin A Sensitizes Hepatocellular Carcinoma Cells to Enhanced NK Cell-mediated Killing by Regulating Immune-related Genes. <i>Cancer Genomics and Proteomics</i> , 2017, 14, 349-362.	1.0	22
44	G protein-coupled estrogen receptor-1 agonist induces chemotherapeutic effect via ER stress signaling in gastric cancer. <i>BMB Reports</i> , 2019, 52, 647-652.	1.1	22
45	NDRG2 and PRA1 interact and synergistically inhibit β -catenin signaling. <i>FEBS Letters</i> , 2012, 586, 3962-3968.	1.3	20
46	Tescalcin expression contributes to invasive and metastatic activity in colorectal cancer. <i>Tumor Biology</i> , 2016, 37, 13843-13853.	0.8	20
47	Kallikrein-related peptidase 6 induces chemotherapeutic resistance by attenuating auranofin-induced cell death through activation of autophagy in gastric cancer. <i>Oncotarget</i> , 2016, 7, 85332-85348.	0.8	20
48	Carbon monoxide inhibits Fas activating antibody-induced apoptosis in endothelial cells. <i>Medical Gas Research</i> , 2011, 1, 8.	1.2	18
49	Nitric Oxide (NO) Pretreatment Increases Cytokine-induced NO Production in Cultured Rat Hepatocytes by Suppressing GTP Cyclohydrolase I Feedback Inhibitory Protein Level and Promoting Inducible NO Synthase Dimerization. <i>Journal of Biological Chemistry</i> , 2002, 277, 47073-47079.	1.6	17
50	Nucleotide-Binding Oligomerization Domain Protein 2 Deficiency Enhances Neointimal Formation in Response to Vascular Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2441-2447.	1.1	17
51	Epsilon-Globin HBE1 Enhances Radiotherapy Resistance by Down-Regulating BCL11A in Colorectal Cancer Cells. <i>Cancers</i> , 2019, 11, 498.	1.7	17
52	CCN1 Suppresses Pulmonary Vascular Smooth Muscle Contraction in Response to Hypoxia. <i>Pulmonary Circulation</i> , 2015, 5, 716-722.	0.8	16
53	The Ancient Phosphatidylinositol 3-Kinase Signaling System Is a Master Regulator of Energy and Carbon Metabolism in Algae. <i>Plant Physiology</i> , 2018, 177, 1050-1065.	2.3	16
54	Stimulation of angiogenesis and survival of endothelial cells by human monoclonal Tie2 receptor antibody. <i>Biomaterials</i> , 2015, 51, 119-128.	5.7	14

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55	CT20126, a novel immunosuppressant, prevents collagen-induced arthritis through the down-regulation of inflammatory gene expression by inhibiting NF- κ B activation. <i>Biochemical Pharmacology</i> , 2008, 76, 79-90.	2.0	13
56	Opa-interacting protein 5 modulates docetaxel-induced cell death via regulation of mitophagy in gastric cancer. <i>Tumor Biology</i> , 2017, 39, 101042831773398.	0.8	13
57	Inhibition of mitoNEET attenuates LPS-induced inflammation and oxidative stress. <i>Cell Death and Disease</i> , 2022, 13, 127.	2.7	11
58	Transforming growth factor- β 1 suppression of endotoxin-induced heme oxygenase-1 in macrophages involves activation of Smad2 and downregulation of Ets-2. <i>Journal of Cellular Physiology</i> , 2012, 227, 351-360.	2.0	10
59	Colchicine-derived compound CT20126 promotes skin allograft survival by regulating the balance of Th1 and Th2 cytokine production. <i>Experimental and Molecular Medicine</i> , 2007, 39, 230-238.	3.2	9
60	Small Heterodimer Partner Deficiency Increases Inflammatory Liver Injury Through C-X-C motif chemokine ligand 2-Driven Neutrophil Recruitment in Mice. <i>Toxicological Sciences</i> , 2018, 163, 254-264.	1.4	9
61	Caspase-mediated cleavage and DNase activity of the translation initiation factor 3, subunit G (eIF3g). <i>FEBS Letters</i> , 2013, 587, 3668-3674.	1.3	8
62	Small heterodimer partner negatively regulates C-X-C motif chemokine ligand 2 in hepatocytes during liver inflammation. <i>Scientific Reports</i> , 2018, 8, 15222.	1.6	8
63	Nucleotide-binding oligomerization domain protein 2 attenuates ER stress-induced cell death in vascular smooth muscle cells. <i>BMB Reports</i> , 2019, 52, 665-670.	1.1	5
64	Bacterial type III effector protein HopQ inhibits melanoma motility through autophagic degradation of vimentin. <i>Cell Death and Disease</i> , 2020, 11, 231.	2.7	4
65	Anisomycin protects against sepsis by attenuating I κ B kinase-dependent NF- κ B activation and inflammatory gene expression. <i>BMB Reports</i> , 2021, 54, 545-550.	1.1	4
66	Nucleotide-binding oligomerization domain protein 2 deficiency enhances CHOP expression and plaque necrosis in advanced atherosclerotic lesions. <i>FEBS Journal</i> , 2020, 287, 2055-2069.	2.2	3
67	Anisomycin protects against sepsis by attenuating I κ B kinase-dependent NF- κ B activation and inflammatory gene expression. <i>BMB Reports</i> , 2021, 54, 545-550.	1.1	1
68	Cellular response of lung fibroblasts and epithelial cells to particulate matter ₁₀ treatment examined via comparative transcriptome analysis. <i>Molecular Medicine Reports</i> , 2022, 25, .	1.1	0