

Young-Chae Chang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,629
citations

201575

27
h-index

206029

48
g-index

81
all docs

81
docs citations

81
times ranked

3435
citing authors

#	ARTICLE	IF	CITATIONS
1	Rg3-enriched red ginseng extract promotes lung cancer cell apoptosis and mitophagy by ROS production. <i>Journal of Ginseng Research</i> , 2022, 46, 138-146.	3.0	17
2	4-O-methylascochlorin-stimulated HIF-1 α expression induces the epithelial mesenchymal transition and cell survival in breast cancer cells. <i>Toxicology in Vitro</i> , 2022, 81, 105342.	1.1	3
3	4-O-methylascochlorin attenuates inflammatory responses induced by lipopolysaccharide in RAW 264.7 macrophages. <i>International Immunopharmacology</i> , 2021, 90, 107184.	1.7	10
4	Melittin-loaded Iron Oxide Nanoparticles Prevent Intracranial Arterial Dolichoectasia Development through Inhibition of Macrophage-mediated Inflammation. <i>International Journal of Biological Sciences</i> , 2021, 17, 3818-3836.	2.6	7
5	Avenanthramide C Suppresses Matrix Metalloproteinase-9 Expression and Migration Through the MAPK/NF- κ B Signaling Pathway in TNF- α -Activated HASMC Cells. <i>Frontiers in Pharmacology</i> , 2021, 12, 621854.	1.6	14
6	Indole-6-carboxaldehyde prevents oxidative stress-induced mitochondrial dysfunction, DNA damage and apoptosis in C2C12 skeletal myoblasts by regulating the ROS-AMPK signaling pathway. <i>Molecular and Cellular Toxicology</i> , 2020, 16, 455-467.	0.8	5
7	Ascofuranone suppresses invasion and F-actin cytoskeleton organization in cancer cells by inhibiting the mTOR complex 1 signaling pathway. <i>Cellular Oncology (Dordrecht)</i> , 2020, 43, 793-805.	2.1	6
8	4-O-methylascochlorin activates autophagy by activating AMPK and suppressing κ Myc in glioblastoma. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22552.	1.4	8
9	Effect of fermented oyster extract on growth promotion in Sprague-Dawley rats. <i>Integrative Medicine Research</i> , 2020, 9, 100412.	0.7	5
10	Ascofuranone inhibits epidermal growth factor-induced cell migration by blocking epithelial-mesenchymal transition in lung cancer cells. <i>European Journal of Pharmacology</i> , 2020, 880, 173199.	1.7	3
11	4-O-methylascochlorin stabilizes hypoxia-inducible factor-1 in a manner different from hydroxylase inhibition by iron chelating or substrate competition. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 2244-2248.	0.6	1
12	4-O-Carboxymethylascochlorin Inhibits Expression Levels of on Inflammation-Related Cytokines and Matrix Metalloproteinase-9 Through NF- κ B/MAPK/TLR4 Signaling Pathway in LPS-Activated RAW264.7 Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 304.	1.6	12
13	Ascochlorin induces caspase-independent necroptosis in LPS-stimulated RAW 264.7 macrophages. <i>Journal of Ethnopharmacology</i> , 2019, 239, 111898.	2.0	14
14	4-O-Methylascochlorin inhibits the prolyl hydroxylation of hypoxia-inducible factor-1 α , which is attenuated by ascorbate. <i>Journal of Antibiotics</i> , 2019, 72, 271-281.	1.0	9
15	Bee Venom Suppresses EGF-Induced Epithelial-Mesenchymal Transition and Tumor Invasion in Lung Cancer Cells. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 1869-1883.	1.5	15
16	Esculentoside B inhibits inflammatory response through JNK and downstream NF- κ B signaling pathway in LPS-triggered murine macrophage RAW 264.7 cells. <i>International Immunopharmacology</i> , 2019, 68, 156-163.	1.7	15
17	4-O-carboxymethylascochlorin protected against microglial-mediated neurotoxicity in SH-SY5Y and BV2 cocultured cells from LPS-induced neuroinflammation and death by inhibiting MAPK, NF- κ B, and Akt pathways. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1742-1753.	1.2	6
18	Ascochlorin Suppresses MMP-2-Mediated Migration and Invasion by Targeting FAK and JAK-STAT Signaling Cascades. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 300-313.	1.2	34

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19	Ganglioside GM3 suppresses lipopolysaccharide-induced inflammatory responses in RAW 264.7 macrophage cells through NF- κ B, AP-1, and MAPKs signaling. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1173-1182.	1.2	31
20	Suppression of c-Myc enhances p21 ^{WAF1/CIP1} -mediated G1 cell cycle arrest through the modulation of ERK phosphorylation by ascochlorin. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2036-2047.	1.2	14
21	MAC inhibits c-Myc and induces autophagy by downregulation of CIP2A in leukemia cells. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 417-424.	0.8	6
22	Upregulation of AMPK by 4-O-methylascochlorin promotes autophagy via the HIF-1 α expression. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6345-6356.	1.6	20
23	Delphinidin inhibits angiogenesis through the suppression of HIF-1 α and VEGF expression in A549 lung cancer cells. <i>Oncology Reports</i> , 2017, 37, 777-784.	1.2	65
24	A Mercaptoacetamide-Based Class II Histone Deacetylase Inhibitor Suppresses Cell Migration and Invasion in Monomorphic Malignant Human Glioma Cells by Inhibiting FAK/STAT3 Signaling. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4672-4685.	1.2	17
25	Delayed Growth Suppression and Radioresistance Induced by Long-Term Continuous Gamma Irradiation. <i>Radiation Research</i> , 2017, 188, 181-190.	0.7	2
26	Oldenlandia diffusa suppresses metastatic potential through inhibiting matrix metalloproteinase-9 and intercellular adhesion molecule-1 expression via p38 and ERK1/2 MAPK pathways and induces apoptosis in human breast cancer MCF-7 cells. <i>Journal of Ethnopharmacology</i> , 2017, 195, 309-317.	2.0	35
27	Ascofuranone inhibits lipopolysaccharide-induced inflammatory response via NF- κ B and AP-1, p-ERK, TNF- α , IL-6 and IL-1 β in RAW 264.7 macrophages. <i>PLoS ONE</i> , 2017, 12, e0171322.	1.1	42
28	Isothiocyanates suppress the invasion and metastasis of tumors by targeting FAK/MMP-9 activity. <i>Oncotarget</i> , 2017, 8, 63949-63962.	0.8	48
29	Jellyfish extract induces apoptotic cell death through the p38 pathway and cell cycle arrest in chronic myelogenous leukemia K562 cells. <i>PeerJ</i> , 2017, 5, e2895.	0.9	11
30	Exogenous and Endogeneous Disialosyl Ganglioside GD1b Induces Apoptosis of MCF-7 Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 652.	1.8	17
31	Anti-inflammatory Effect of Ascochlorin in LPS-stimulated RAW 264.7 Macrophage Cells Is Accompanied With the Down-regulation of iNOS, COX-2 and Proinflammatory Cytokines Through NF- κ B, ERK1/2, and p38 Signaling Pathway. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 978-987.	1.2	83
32	Ascochlorin Enhances the Sensitivity of Doxorubicin Leading to the Reversal of Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 2966-2976.	1.9	86
33	Suppression of c-Myc induces apoptosis via an AMPK/mTOR-dependent pathway by 4-O-methyl-ascochlorin in leukemia cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 657-668.	2.2	21
34	Delphinidin Suppresses Angiogenesis via the Inhibition of HIF-1 α and STAT3 Expressions in PC3M Cells. <i>Korean Journal of Food Science and Technology</i> , 2016, 48, 66-71.	0.0	3
35	Induction of Apoptosis and Antitumor Activity of Eel Skin Mucus, Containing Lactose-Binding Molecules, on Human Leukemic K562 Cells. <i>Marine Drugs</i> , 2015, 13, 3936-3949.	2.2	14
36	Effects of bee venom against Propionibacterium acnes-induced inflammation in human keratinocytes and monocytes. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1651-1656.	1.8	39

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37	Melittin has a chondroprotective effect by inhibiting MMP-1 and MMP-8 expressions via blocking NF- κ B and AP-1 signaling pathway in chondrocytes. <i>International Immunopharmacology</i> , 2015, 25, 400-405.	1.7	32
38	Extracellular matrix protein reelin regulate dendritic spine density through CaMKII β . <i>Neuroscience Letters</i> , 2015, 599, 97-101.	1.0	16
39	4-O-methylascochlorin suppresses differentiation of 3T3-L1 preadipocytes by inhibiting PPAR γ expression through regulation of AMPK/mTOR signaling pathways. <i>Archives of Biochemistry and Biophysics</i> , 2015, 583, 79-86.	1.4	11
40	The Ganglioside GM3 Is Associated with Cisplatin-Induced Apoptosis in Human Colon Cancer Cells. <i>PLoS ONE</i> , 2014, 9, e92786.	1.1	33
41	Melittin Inhibits TGF- β 2-Induced Pro-Fibrotic Gene Expression Through the Suppression of the TGF β 2RII-Smad, ERK1/2 and JNK-Mediated Signaling Pathway. <i>The American Journal of Chinese Medicine</i> , 2014, 42, 1139-1152.	1.5	19
42	The Protective Effects of Melittin on Propionibacterium acnes α -Induced Inflammatory Responses In Vitro and In Vivo. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1922-1930.	0.3	87
43	Protective effects of melittin on tumor necrosis factor- α induced hepatic damage through suppression of apoptotic pathway and nuclear factor-kappa B activation. <i>Experimental Biology and Medicine</i> , 2014, 239, 1705-1714.	1.1	20
44	Melittin suppresses EGF-induced cell motility and invasion by inhibiting PI3K/Akt/mTOR signaling pathway in breast cancer cells. <i>Food and Chemical Toxicology</i> , 2014, 68, 218-225.	1.8	98
45	Comparative proteome analysis of Tumor necrosis factor α -stimulated human Vascular Smooth Muscle Cells in response to melittin. <i>Proteome Science</i> , 2013, 11, 20.	0.7	8
46	Ascofuranone suppresses EGF-induced HIF-1 α protein synthesis by inhibition of the Akt/mTOR/p70S6K pathway in MDA-MB-231 breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 542-550.	1.3	30
47	Ganglioside GM3 participates in the TGF- β 1-induced epithelial \rightarrow mesenchymal transition of human lens epithelial cells. <i>Biochemical Journal</i> , 2013, 449, 241-251.	1.7	31
48	Anti-inflammatory activity of hexane extracts from bones and internal organs of <i>Anguilla japonica</i> suppresses cyclooxygenase-2-dependent prostaglandin D2 generation in mast cells and anaphylaxis in mice. <i>Food and Chemical Toxicology</i> , 2013, 57, 307-313.	1.8	6
49	Melittin Suppresses HIF-1 α /VEGF Expression through Inhibition of ERK and mTOR/p70S6K Pathway in Human Cervical Carcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e69380.	1.1	55
50	4-O-Carboxymethyl Ascochlorin Causes ER Stress and Induced Autophagy in Human Hepatocellular Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 15661-15671.	1.6	28
51	Pimaric acid from <i>Aralia cordata</i> has an inhibitory effect on TNF- α -induced MMP-9 production and HASMC migration via down-regulated NF- κ B and AP-1. <i>Chemico-Biological Interactions</i> , 2012, 199, 112-119.	1.7	31
52	Melittin has an inhibitory effect on TNF- α -induced migration of human aortic smooth muscle cells by blocking the MMP-9 expression. <i>Food and Chemical Toxicology</i> , 2012, 50, 3996-4002.	1.8	24
53	Ascofuranone stimulates expression of adiponectin and peroxisome proliferator activated receptor through the modulation of mitogen activated protein kinase family members in 3T3-L1, murine pre-adipocyte cell line. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 423-428.	1.0	10
54	Ascochlorin inhibits growth factor α -induced HIF α 1 α activation and tumor α -angiogenesis through the suppression of EGFR/ERK/p70S6K signaling pathway in human cervical carcinoma cells. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1302-1313.	1.2	26

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55	Ascochlorin suppresses TGF- β 1-induced PAI-1 expression through the inhibition of phospho-EGFR in rat kidney fibroblast cells. <i>Molecular Biology Reports</i> , 2012, 39, 4597-4603.	1.0	8
56	Anti-Fibrotic Effects by Moringa Root Extract in Rat Kidney Fibroblast. <i>Journal of Life Science</i> , 2012, 22, 1371-1377.	0.2	7
57	4-O-methylascochlorin, methylated derivative of ascochlorin, stabilizes HIF-1 α via AMPK activation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 353-358.	1.0	23
58	Ethylacetate fraction from Korean seaside starfish, <i>Asterias amurensis</i> , has an inhibitory effect on MMP-9 activity and expression and on migration behavior of TNF- α induced human aortic smooth muscle cells. <i>Toxicology in Vitro</i> , 2011, 25, 767-773.	1.1	8
59	Melittin Suppresses PMA-Induced Tumor Cell Invasion by Inhibiting NF- κ B and AP-1-Dependent MMP-9 Expression. <i>Molecules and Cells</i> , 2010, 29, 209-216.	1.0	96
60	Therapeutic Possibility of Ascofuranone for Autosomal Dominant Polycystic Kidney Disease α Response. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3101-3101.	1.9	0
61	p53-Independent Induction of G1 Arrest and p21 ^{WAF1/CIP1} Expression by Ascofuranone, an Isoprenoid Antibiotic, through Downregulation of c-Myc. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2102-2113.	1.9	63
62	Bee venom suppresses PMA-mediated MMP-9 gene activation via JNK/p38 and NF- κ B-dependent mechanisms. <i>Journal of Ethnopharmacology</i> , 2010, 127, 662-668.	2.0	48
63	Ascofuranone prevents ER stress-induced insulin resistance via activation of AMP-activated protein kinase in L6 myotube cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 967-972.	1.0	16
64	Ascochlorin, an isoprenoid antibiotic, induces G1 arrest via downregulation of c-Myc in a p53-independent manner. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 68-73.	1.0	14
65	Ascochlorin activates p53 in a manner distinct from DNA damaging agents. <i>International Journal of Cancer</i> , 2009, 124, 2797-2803.	2.3	25
66	Suppression of PAI-1 expression through inhibition of the EGFR-mediated signaling cascade in rat kidney fibroblast by ascofuranone. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 335-344.	1.2	17
67	Comparative proteome analysis of TGF- β 1-induced fibrosis processes in normal rat kidney interstitial fibroblast cells in response to ascofuranone. <i>Proteomics</i> , 2009, 9, 4445-4456.	1.3	8
68	Suppression of mesangial cell proliferation and extracellular matrix production in streptozotocin-induced diabetic rats by Sp1 decoy oligodeoxynucleotide in vitro and in vivo. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 663-674.	1.2	9
69	Silibinin suppresses PMA-induced MMP-9 expression by blocking the AP-1 activation via MAPK signaling pathways in MCF-7 human breast carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 165-171.	1.0	109
70	Ascochlorin suppresses oxLDL-induced MMP-9 expression by inhibiting the MEK/ERK signaling pathway in human THP-1 macrophages. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 506-514.	1.2	32
71	Aberrant Expression of Fra-1 in Estrogen Receptor-negative Breast Cancers and Suppression of their Propagation In Vivo by Ascochlorin, an Antibiotic that Inhibits Cellular Activator Protein-1 Activity. <i>Journal of Antibiotics</i> , 2007, 60, 682-689.	1.0	19
72	Proteome Analysis of Responses to Ascochlorin in a Human Osteosarcoma Cell Line by 2-D Gel Electrophoresis and MALDI-TOF MS. <i>Journal of Proteome Research</i> , 2006, 5, 2620-2631.	1.8	33

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73	The ascochlorin derivative, AS-6, inhibits TNF- α -induced adhesion molecule and chemokine expression in rat vascular smooth muscle cells. <i>Life Sciences</i> , 2006, 80, 120-126.	2.0	23
74	Ascofuranone suppresses PMA-mediated matrix metalloproteinase-9 gene activation through the Ras/Raf/MEK/ERK- and Ap1-dependent mechanisms. <i>Carcinogenesis</i> , 2006, 28, 1104-1110.	1.3	112
75	Ascochlorin Inhibits Matrix Metalloproteinase-9 Expression by Suppressing Activator Protein-1-mediated Gene Expression through the ERK1/2 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 25202-25209.	1.6	119
76	Selective cytotoxicity of ascochlorin in ER-negative human breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 46-50.	1.0	19
77	Novel and therapeutic effect of caffeic acid and caffeic acid phenyl ester on hepatocarcinoma cells: complete regression of hepatoma growth and metastasis by dual mechanism. <i>FASEB Journal</i> , 2004, 18, 1670-1681.	0.2	407
78	Sp1-decoy oligodeoxynucleotide inhibits high glucose-induced mesangial cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 550-555.	1.0	24
79	Inhibitory effects of novel E2F decoy oligodeoxynucleotides on mesangial cell proliferation by coexpression of E2F/DP. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 689-697.	1.0	21
80	Cooperation of E2F-p130 and Sp1-pRb Complexes in Repression of the Chinese Hamster dhfr Gene. <i>Molecular and Cellular Biology</i> , 2001, 21, 1121-1131.	1.1	63