

Yung Hyun Choi

List of Publications by Year in descending order

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408
papers

10,421
citations

41258

49
h-index

91712

69
g-index

415
all docs

415
docs citations

415
times ranked

13184
citing authors

#	ARTICLE	IF	CITATIONS
1	Particulate matter 2.5 damages skin cells by inducing oxidative stress, subcellular organelle dysfunction, and apoptosis. <i>Archives of Toxicology</i> , 2018, 92, 2077-2091.	1.9	230
2	Antioxidant Activity of Marine Algal Polyphenolic Compounds: A Mechanistic Approach. <i>Journal of Medicinal Food</i> , 2016, 19, 615-628.	0.8	145
3	Anti-inflammatory activity of polysaccharide purified from AMG-assistant extract of <i>Ecklonia cava</i> in LPS-stimulated RAW 264.7 macrophages. <i>Carbohydrate Polymers</i> , 2011, 85, 80-85.	5.1	134
4	Cell-free microRNAs in urine as diagnostic and prognostic biomarkers of bladder cancer. <i>International Journal of Oncology</i> , 2012, 41, 1871-1878.	1.4	134
5	Anti-inflammatory activity of a sulfated polysaccharide isolated from an enzymatic digest of brown seaweed <i>Sargassum horneri</i> in RAW 264.7 cells. <i>Nutrition Research and Practice</i> , 2017, 11, 3.	0.7	129
6	Anti-inflammatory effects of spermidine in lipopolysaccharide-stimulated BV2 microglial cells. <i>Journal of Biomedical Science</i> , 2012, 19, 31.	2.6	117
7	Inhibitory effect of diphlorethohydroxycarmalol on melanogenesis and its protective effect against UV-B radiation-induced cell damage. <i>Food and Chemical Toxicology</i> , 2010, 48, 1355-1361.	1.8	116
8	Fish collagen/alginate/chitooligosaccharides integrated scaffold for skin tissue regeneration application. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 504-513.	3.6	105
9	Anti-inflammatory effects of cordycepin in lipopolysaccharide-stimulated RAW 264.7 macrophages through Toll-like receptor 4-mediated suppression of mitogen-activated protein kinases and NF- κ B signaling pathways. <i>Drug Design, Development and Therapy</i> , 2014, 8, 1941.	2.0	100
10	Anti-inflammatory effects of genistein via suppression of the toll-like receptor 4-mediated signaling pathway in lipopolysaccharide-stimulated BV2 microglia. <i>Chemico-Biological Interactions</i> , 2014, 212, 30-39.	1.7	100
11	Protective effect of fucoidan against AAPH-induced oxidative stress in zebrafish model. <i>Carbohydrate Polymers</i> , 2014, 102, 185-191.	5.1	96
12	Gallic acid isolated from <i>Spirogyra</i> sp. improves cardiovascular disease through a vasorelaxant and antihypertensive effect. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 764-772.	2.0	91
13	Anti-obesity effects of seaweeds of Jeju Island on the differentiation of 3T3-L1 preadipocytes and obese mice fed a high-fat diet. <i>Food and Chemical Toxicology</i> , 2016, 90, 36-44.	1.8	82
14	Interleukin-20 Promotes Migration of Bladder Cancer Cells through Extracellular Signal-regulated Kinase (ERK)-mediated MMP-9 Protein Expression Leading to Nuclear Factor (NF- κ B) Activation by Inducing the Up-regulation of p21WAF1 Protein Expression *. <i>Journal of Biological Chemistry</i> , 2013, 288, 5539-5552.	1.6	81
15	Morin, a flavonoid from Moraceae, suppresses growth and invasion of the highly metastatic breast cancer cell line MDA-MB-231 partly through suppression of the Akt pathway. <i>International Journal of Oncology</i> , 2014, 45, 1629-1637.	1.4	80
16	Spermidine Protects against Oxidative Stress in Inflammation Models Using Macrophages and Zebrafish. <i>Biomolecules and Therapeutics</i> , 2018, 26, 146-156.	1.1	80
17	Electroacupuncture Promotes Post-Stroke Functional Recovery via Enhancing Endogenous Neurogenesis in Mouse Focal Cerebral Ischemia. <i>PLoS ONE</i> , 2014, 9, e90000.	1.1	79
18	Anthocyanins Downregulate Lipopolysaccharide-Induced Inflammatory Responses in BV2 Microglial Cells by Suppressing the NF- κ B and Akt/MAPKs Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1502-1515.	1.8	78

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19	Protective Effect of Sulfated Polysaccharides from Celluclast-Assisted Extract of <i>Hizikia fusiforme</i> Against Ultraviolet B-Induced Skin Damage by Regulating NF- κ B, AP-1, and MAPKs Signaling Pathways In Vitro in Human Dermal Fibroblasts. <i>Marine Drugs</i> , 2018, 16, 239.	2.2	78
20	Protective effect of polysaccharides from Celluclast-assisted extract of <i>Hizikia fusiforme</i> against hydrogen peroxide-induced oxidative stress in vitro in Vero cells and in vivo in zebrafish. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 483-489.	3.6	77
21	Ribotoxic mycotoxin deoxynivalenol induces G2/M cell cycle arrest via p21Cip/WAF1 mRNA stabilization in human epithelial cells. <i>Toxicology</i> , 2008, 243, 145-154.	2.0	76
22	Naringenin attenuates the release of pro-inflammatory mediators from lipopolysaccharide-stimulated BV2 microglia by inactivating nuclear factor- κ B and inhibiting mitogen-activated protein kinases. <i>International Journal of Molecular Medicine</i> , 2012, 30, 204-10.	1.8	76
23	Algae Metabolites in Cosmeceutical: An Overview of Current Applications and Challenges. <i>Marine Drugs</i> , 2020, 18, 323.	2.2	76
24	Induction of Apoptosis by Fucoidan in Human Leukemia U937 Cells through Activation of p38 MAPK and Modulation of Bcl-2 Family. <i>Marine Drugs</i> , 2013, 11, 2347-2364.	2.2	70
25	Induction of G2/M Cell Cycle Arrest and Apoptosis by Genistein in Human Bladder Cancer T24 Cells through Inhibition of the ROS-Dependent PI3k/Akt Signal Transduction Pathway. <i>Antioxidants</i> , 2019, 8, 327.	2.2	70
26	In vitro and in vivo anti-inflammatory activities of a fucose-rich fucoidan isolated from <i>Saccharina japonica</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 156, 717-729.	3.6	70
27	Protective effect of green tea catechin against urban fine dust particle-induced skin aging by regulation of NF- κ B, AP-1, and MAPKs signaling pathways. <i>Environmental Pollution</i> , 2019, 252, 1318-1324.	3.7	69
28	Protective Effect of Glutathione against Oxidative Stress-induced Cytotoxicity in RAW 264.7 Macrophages through Activating the Nuclear Factor Erythroid 2-Related Factor-2/Heme Oxygenase-1 Pathway. <i>Antioxidants</i> , 2019, 8, 82.	2.2	69
29	Neuroprotective effects of phlorotannins isolated from a brown alga, <i>Ecklonia cava</i> , against H2O2-induced oxidative stress in murine hippocampal HT22 cells. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 96-105.	2.0	66
30	Antioxidant activity of polysaccharide purified from <i>Acanthopanax koreanum</i> Nakai stems in vitro and in vivo zebrafish model. <i>Carbohydrate Polymers</i> , 2015, 127, 38-46.	5.1	65
31	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
32	Characterization of a profile of the anthocyanins isolated from <i>Vitis coignetiae</i> Pulliat and their anti-invasive activity on HT-29 human colon cancer cells. <i>Food and Chemical Toxicology</i> , 2010, 48, 903-909.	1.8	64
33	Hydrangenol inhibits lipopolysaccharide-induced nitric oxide production in BV2 microglial cells by suppressing the NF- κ B pathway and activating the Nrf2-mediated HO-1 pathway. <i>International Immunopharmacology</i> , 2016, 35, 61-69.	1.7	64
34	Apoptosis and modulation of cell cycle control by synthetic derivatives of ursodeoxycholic acid and chenodeoxycholic acid in human prostate cancer cells. <i>Cancer Letters</i> , 2003, 199, 157-167.	3.2	63
35	Activation of the Nrf2/HO-1 signaling pathway contributes to the protective effects of baicalein against oxidative stress-induced DNA damage and apoptosis in HE193 Schwann cells. <i>International Journal of Medical Sciences</i> , 2019, 16, 145-155.	1.1	62
36	Sanguinarine-Induced Apoptosis in Human Leukemia U937 Cells via Bcl-2 Downregulation and Caspase-3 Activation. <i>Chemotherapy</i> , 2008, 54, 157-165.	0.8	60

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37	A Four-Gene Signature Predicts Disease Progression in Muscle Invasive Bladder Cancer. <i>Molecular Medicine</i> , 2011, 17, 478-485.	1.9	60
38	Antiproliferative Effect of Resveratrol in Human Prostate Carcinoma Cells. <i>Journal of Medicinal Food</i> , 2003, 6, 273-280.	0.8	58
39	Sulforaphane induces reactive oxygen species-mediated mitotic arrest and subsequent apoptosis in human bladder cancer 5637 cells. <i>Food and Chemical Toxicology</i> , 2014, 64, 157-165.	1.8	58
40	Schisandrin A prevents oxidative stress-induced DNA damage and apoptosis by attenuating ROS generation in C2C12 cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 902-909.	2.5	58
41	Isolation, Characterization, and Antioxidant Activity Evaluation of a Fucoidan from an Enzymatic Digest of the Edible Seaweed, <i>Hizikia fusiforme</i> . <i>Antioxidants</i> , 2020, 9, 363.	2.2	58
42	Fucoidan Inhibits the Proliferation of Human Urinary Bladder Cancer T24 Cells by Blocking Cell Cycle Progression and Inducing Apoptosis. <i>Molecules</i> , 2014, 19, 5981-5998.	1.7	57
43	Induction of p53-Independent Apoptosis and G1 Cell Cycle Arrest by Fucoidan in HCT116 Human Colorectal Carcinoma Cells. <i>Marine Drugs</i> , 2017, 15, 154.	2.2	57
44	Identification of chemical structure and free radical scavenging activity of diphlorethohydroxycarmalol isolated from a brown alga, <i>Ishige okamurae</i> . <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 676-81.	0.9	56
45	Popular edible seaweed, <i>Gelidium amansii</i> prevents against diet-induced obesity. <i>Food and Chemical Toxicology</i> , 2016, 90, 181-187.	1.8	55
46	Protective Effect of Phloroglucinol on Oxidative Stress-Induced DNA Damage and Apoptosis through Activation of the Nrf2/HO-1 Signaling Pathway in HaCaT Human Keratinocytes. <i>Marine Drugs</i> , 2019, 17, 225.	2.2	54
47	Antioxidant Potential of Sulfated Polysaccharides from <i>Padina boryana</i> ; Protective Effect against Oxidative Stress in In Vitro and In Vivo Zebrafish Model. <i>Marine Drugs</i> , 2020, 18, 212.	2.2	53
48	The administration of Fructus Schisandrae attenuates dexamethasone-induced muscle atrophy in mice. <i>International Journal of Molecular Medicine</i> , 2015, 36, 29-42.	1.8	52
49	Protective effect of diphlorethohydroxycarmalol isolated from <i>Ishige okamurae</i> against high glucose-induced-oxidative stress in human umbilical vein endothelial cells. <i>Food and Chemical Toxicology</i> , 2010, 48, 1448-1454.	1.8	51
50	Ethanol extract of <i>Poria cocos</i> reduces the production of inflammatory mediators by suppressing the NF-kappaB signaling pathway in lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 101.	3.7	51
51	Flavonoids Isolated from Flowers of <i>Lonicera japonica</i> Thunb. Inhibit Inflammatory Responses in BV2 Microglial Cells by Suppressing TNF- α and IL-1 β Through PI3K/Akt/NF- κ B Signaling Pathways. <i>Phytotherapy Research</i> , 2016, 30, 1824-1832.	2.8	51
52	Morin, a Flavonoid from Moraceae, Induces Apoptosis by Induction of BAD Protein in Human Leukemic Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 645-659.	1.8	50
53	Anti-invasive activity of sanguinarine through modulation of tight junctions and matrix metalloproteinase activities in MDA-MB-231 human breast carcinoma cells. <i>Chemico-Biological Interactions</i> , 2009, 179, 185-191.	1.7	49
54	Anti-inflammatory effects of 1 β -hydroxyisovalerylshikonin in BV2 microglia are mediated through suppression of the PI3K/Akt/NF- κ B pathway and activation of the Nrf2/HO-1 pathway. <i>Food and Chemical Toxicology</i> , 2014, 65, 82-89.	1.8	49

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55	Diallyl trisulfide-induced apoptosis of bladder cancer cells is caspase-dependent and regulated by PI3K/Akt and JNK pathways. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 74-83.	2.0	49
56	In Vitro and In Vivo Antioxidant Activities of Polysaccharides Isolated from Celluclast-Assisted Extract of an Edible Brown Seaweed, <i>Sargassum fulvellum</i> . <i>Antioxidants</i> , 2019, 8, 493.	2.2	49
57	The regulation of the TLR4/NF- κ B and Nrf2/HO-1 signaling pathways is involved in the inhibition of lipopolysaccharide-induced inflammation and oxidative reactions by morroniside in RAW 264.7 macrophages. <i>Archives of Biochemistry and Biophysics</i> , 2021, 706, 108926.	1.4	49
58	Apigenin decreases cell viability and telomerase activity in human leukemia cell lines. <i>Food and Chemical Toxicology</i> , 2012, 50, 2605-2611.	1.8	48
59	Expression of Human Endogenous Retrovirus env Genes in the Blood of Breast Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2014, 15, 9173-9183.	1.8	48
60	Mangiferin inhibits tumor necrosis factor- α -induced matrix metalloproteinase-9 expression and cellular invasion by suppressing nuclear factor- κ B activity. <i>BMB Reports</i> , 2015, 48, 559-564.	1.1	47
61	Anti-Proliferative and Pro-Apoptotic Effects of Licochalcone A through ROS-Mediated Cell Cycle Arrest and Apoptosis in Human Bladder Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3820.	1.8	46
62	Assessment of anti-inflammatory effect of 5 β -hydroxypalisadin B isolated from red seaweed <i>Laurencia snackeyi</i> in zebrafish embryo in vivo model. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 110-117.	2.0	45
63	Neuroprotective Effect of Phlorotannin Isolated from <i>Ishige okamurae</i> Against H ₂ O ₂ -Induced Oxidative Stress in Murine Hippocampal Neuronal Cells, HT22. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1520-1532.	1.4	44
64	Downregulation of NO and PGE2 in LPS-stimulated BV2 microglial cells by trans-isoferulic acid via suppression of PI3K/Akt-dependent NF- κ B and activation of Nrf2-mediated HO-1. <i>International Immunopharmacology</i> , 2014, 18, 203-211.	1.7	44
65	Anti-inflammatory potential of total saponins derived from the roots of <i>Panax ginseng</i> in lipopolysaccharide-activated RAW 264.7 macrophages. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 1109-1115.	0.8	44
66	Trans-cinnamaldehyde protects C2C12 myoblasts from DNA damage, mitochondrial dysfunction and apoptosis caused by oxidative stress through inhibiting ROS production. <i>Genes and Genomics</i> , 2021, 43, 303-312.	0.5	44
67	Hepatitis C virus core protein represses the p21 promoter through inhibition of a TGF- β 2 pathway. <i>Journal of General Virology</i> , 2002, 83, 2145-2151.	1.3	44
68	Ameliorative Effect of <i>Ecklonia cava</i> Polyphenol Extract on Renal Inflammation Associated with Aberrant Energy Metabolism and Oxidative Stress in High Fat Diet-Induced Obese Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3811-3818.	2.4	43
69	Glutathione Induced Immune-Stimulatory Activity by Promoting M1-Like Macrophages Polarization via Potential ROS Scavenging Capacity. <i>Antioxidants</i> , 2019, 8, 413.	2.2	42
70	Protective effect of diphloretohydroxycarmalol isolated from <i>Ishige okamurae</i> against UVB-induced damage in vitro in human dermal fibroblasts and in vivo in zebrafish. <i>Food and Chemical Toxicology</i> , 2020, 136, 110963.	1.8	42
71	Diesel particulate matter _{2.5} promotes epithelial-mesenchymal transition of human retinal pigment epithelial cells via generation of reactive oxygen species. <i>Environmental Pollution</i> , 2020, 262, 114301.	3.7	42
72	Apoptosis Induction of Human Prostate Carcinoma DU145 Cells by Diallyl Disulfide via Modulation of JNK and PI3K/AKT Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14158-14171.	1.8	41

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73	Baicalein protects C6 glial cells against hydrogen peroxide-induced oxidative stress and apoptosis through regulation of the Nrf2 signaling pathway. <i>International Journal of Molecular Medicine</i> , 2016, 37, 798-806.	1.8	41
74	Sargassum serratifolium Extract Attenuates Interleukin-1 β -Induced Oxidative Stress and Inflammatory Response in Chondrocytes by Suppressing the Activation of NF- κ B, p38 MAPK, and PI3K/Akt. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2308.	1.8	41
75	Induction of G2/M arrest, endoreduplication, and apoptosis by actin depolymerization agent pectenotoxin-2 in human leukemia cells, involving activation of ERK and JNK. <i>Biochemical Pharmacology</i> , 2008, 76, 312-321.	2.0	40
76	Apoptosis induction of U937 human leukemia cells by diallyl trisulfide induces through generation of reactive oxygen species. <i>Journal of Biomedical Science</i> , 2012, 19, 50.	2.6	40
77	Anti-inflammatory mechanism of β -viniferin regulates lipopolysaccharide-induced release of proinflammatory mediators in BV2 microglial cells. <i>Cellular Immunology</i> , 2014, 290, 21-29.	1.4	40
78	Anti-Inflammatory Effects of Sulfated Polysaccharide from <i>Sargassum swartzii</i> in Macrophages via Blocking TLR/NF- κ B Signal Transduction. <i>Marine Drugs</i> , 2020, 18, 601.	2.2	40
79	Anthocyanins from <i>Hibiscus syriacus</i> L. Inhibit Oxidative Stress-Mediated Apoptosis by Activating the Nrf2/HO-1 Signaling Pathway. <i>Antioxidants</i> , 2020, 9, 42.	2.2	40
80	Urinary MicroRNAs of Prostate Cancer: Virus-Encoded hsv1-miRH18 and hsv2-miR-H9-5p Could Be Valuable Diagnostic Markers. <i>International Neurourology Journal</i> , 2015, 19, 74-84.	0.5	40
81	Induction of Apoptosis and Inhibition of Invasion in Human Hepatoma Cells by Anthocyanins from <i>Meoru</i> . <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 137-148.	1.8	39
82	Inhibition of Matrix Metalloproteinase Activities and Tightening of Tight Junctions by Diallyl Disulfide in AGS Human Gastric Carcinoma Cells. <i>Journal of Food Science</i> , 2011, 76, T105-11.	1.5	39
83	Polyphenols from <i>Artemisia annua</i> L Inhibit Adhesion and EMT of Highly Metastatic Breast Cancer Cells MDA-MB-231. <i>Phytotherapy Research</i> , 2016, 30, 1180-1188.	2.8	39
84	Involvement of autophagy in cordycepin-induced apoptosis in human prostate carcinoma LNCaP cells. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 239-250.	2.0	38
85	Anti-inflammatory and anti-melanogenesis activities of sulfated polysaccharides isolated from <i>Hizikia fusiforme</i> : Short communication. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 545-550.	3.6	38
86	A marine algal polyphenol, dieckol, attenuates blood glucose levels by Akt pathway in alloxan induced hyperglycemia zebrafish model. <i>RSC Advances</i> , 2016, 6, 78570-78575.	1.7	37
87	Antioxidant and cytoprotective effects of morin against hydrogen peroxide-induced oxidative stress are associated with the induction of Nrf-2-mediated HO-1 expression in V79-4 Chinese hamster lung fibroblasts. <i>International Journal of Molecular Medicine</i> , 2017, 39, 672-680.	1.8	37
88	Fermented Oyster Extract Promotes Osteoblast Differentiation by Activating the Wnt/ β -Catenin Signaling Pathway, Leading to Bone Formation. <i>Biomolecules</i> , 2019, 9, 711.	1.8	37
89	Nrf2-Mediated HO-1 Induction Contributes to Antioxidant Capacity of a <i>Schisandrae Fructus</i> Ethanol Extract in C2C12 Myoblasts. <i>Nutrients</i> , 2014, 6, 5667-5678.	1.7	36
90	Molecular chemotherapeutic potential of butein: A concise review. <i>Food and Chemical Toxicology</i> , 2018, 112, 1-10.	1.8	36

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91	Baicalein Inhibits the Migration and Invasion of B16F10 Mouse Melanoma Cells through Inactivation of the PI3K/Akt Signaling Pathway. <i>Biomolecules and Therapeutics</i> , 2017, 25, 213-221.	1.1	36
92	Anti-inflammatory effects of sodium alginate/gelatine porous scaffolds merged with fucoidan in murine microglial BV2 cells. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1620-1632.	3.6	35
93	Mori folium inhibits interleukin-1 β -induced expression of matrix metalloproteinases and inflammatory mediators by suppressing the activation of NF- κ B and p38 MAPK in SW1353 human chondrocytes. <i>International Journal of Molecular Medicine</i> , 2016, 37, 452-460.	1.8	35
94	Induction of apoptosis by morusin in human non-small cell lung cancer cells by suppression of EGFR/STAT3 activation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 194-200.	1.0	35
95	Coptisine induces autophagic cell death through down-regulation of PI3K/Akt/mTOR signaling pathway and up-regulation of ROS-mediated mitochondrial dysfunction in hepatocellular carcinoma Hep3B cells. <i>Archives of Biochemistry and Biophysics</i> , 2021, 697, 108688.	1.4	35
96	7,8-Dihydroxyflavone exhibits anti-inflammatory properties by downregulating the NF- κ B and MAPK signaling pathways in lipopolysaccharide-treated RAW264.7 cells. <i>International Journal of Molecular Medicine</i> , 2012, 29, 1146-52.	1.8	34
97	Anti-Photoaging and Anti-Melanogenesis Effects of Fucoidan Isolated from <i>Hizikia fusiforme</i> and Its Underlying Mechanisms. <i>Marine Drugs</i> , 2020, 18, 427.	2.2	34
98	Anti-inflammatory Effects of <i>Schisandra chinensis</i> (Turcz.) Baill Fruit Through the Inactivation of Nuclear Factor- κ B and Mitogen-activated Protein Kinases Signaling Pathways in Lipopolysaccharide-stimulated Murine Macrophages. <i>Journal of Cancer Prevention</i> , 2014, 19, 279-287.	0.8	34
99	β -lapachone-Induced Apoptosis of Human Gastric Carcinoma AGS Cells Is Caspase-Dependent and Regulated by the PI3K/Akt Pathway. <i>Biomolecules and Therapeutics</i> , 2014, 22, 184-192.	1.1	34
100	Momilactone B induces apoptosis and G1 arrest of the cell cycle in human monocytic leukemia U937 cells through downregulation of pRB phosphorylation and induction of the cyclin-dependent kinase inhibitor p21Waf1/Cip1. <i>Oncology Reports</i> , 2014, 31, 1653-1660.	1.2	33
101	Caffeic acid phenethyl ester reduces the secretion of vascular endothelial growth factor through the inhibition of the ROS, PI3K and HIF-1 α signaling pathways in human retinal pigment epithelial cells under hypoxic conditions. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1419-1426.	1.8	33
102	Apigenin promotes TRAIL-mediated apoptosis regardless of ROS generation. <i>Food and Chemical Toxicology</i> , 2018, 111, 623-630.	1.8	33
103	Isorhamnetin Induces Cell Cycle Arrest and Apoptosis Via Reactive Oxygen Species-Mediated AMP-Activated Protein Kinase Signaling Pathway Activation in Human Bladder Cancer Cells. <i>Cancers</i> , 2019, 11, 1494.	1.7	33
104	The Potential of Sulfated Polysaccharides Isolated from the Brown Seaweed <i>Ecklonia maxima</i> in Cosmetics: Antioxidant, Anti-melanogenesis, and Photoprotective Activities. <i>Antioxidants</i> , 2020, 9, 724.	2.2	33
105	Camptothecin induces G2/M phase arrest through the ATM-Chk2-Cdc25C axis as a result of autophagy-induced cytoprotection: Implications of reactive oxygen species. <i>Oncotarget</i> , 2018, 9, 21744-21757.	0.8	33
106	18 β -Glycyrrhetic acid suppresses TNF- α induced matrix metalloproteinase-9 and vascular endothelial growth factor by suppressing the Akt-dependent NF- κ B pathway. <i>Toxicology in Vitro</i> , 2014, 28, 751-758.	1.1	32
107	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
108	Anti-fatigue activity of a mixture of seahorse (<i>Hippocampus abdominalis</i>) hydrolysate and red ginseng. <i>Fisheries and Aquatic Sciences</i> , 2017, 20, .	0.3	32

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109	Sargassum horneri (Turner) C. Agardh ethanol extract inhibits the fine dust inflammation response via activating Nrf2/HO-1 signaling in RAW 264.7 cells. BMC Complementary and Alternative Medicine, 2018, 18, 249.	3.7	32
110	Activation of the Nrf2/HO-1 Signaling Pathway Contributes to the Protective Effects of Sargassum serratifolium Extract against Oxidative Stress-Induced DNA Damage and Apoptosis in SW1353 Human Chondrocytes. International Journal of Environmental Research and Public Health, 2018, 15, 1173.	1.2	32
111	Fucoidan isolated from Hizikia fusiforme suppresses ultraviolet B-induced photodamage by down-regulating the expressions of matrix metalloproteinases and pro-inflammatory cytokines via inhibiting NF- κ B, AP-1, and MAPK signaling pathways. International Journal of Biological Macromolecules, 2021, 166, 751-759.	3.6	32
112	Auranofin Enhances Sulforaphane-Mediated Apoptosis in Hepatocellular Carcinoma Hep3B Cells through Inactivation of the PI3K/Akt Signaling Pathway. Biomolecules and Therapeutics, 2020, 28, 443-455.	1.1	32
113	Protective effect of marine brown algal polyphenols against oxidative stressed zebrafish with high glucose. RSC Advances, 2015, 5, 25738-25746.	1.7	31
114	Thioridazine enhances sensitivity to carboplatin in human head and neck cancer cells through downregulation of c-FLIP and Mcl-1 expression. Cell Death and Disease, 2017, 8, e2599-e2599.	2.7	31
115	Diphloretohydroxycarmalol Isolated from Ishige okamurae Represses High Glucose-Induced Angiogenesis In Vitro and In Vivo. Marine Drugs, 2018, 16, 375.	2.2	31
116	Antioxidant properties of a sulfated polysaccharide isolated from an enzymatic digest of Sargassum thunbergii. International Journal of Biological Macromolecules, 2019, 132, 142-149.	3.6	31
117	Anthocyanins isolated from Hibiscus syriacus L. attenuate lipopolysaccharide-induced inflammation and endotoxic shock by inhibiting the TLR4/MD2-mediated NF- κ B signaling pathway. Phytomedicine, 2020, 76, 153237.	2.3	31
118	Astaxanthin Improves Stem Cell Potency via an Increase in the Proliferation of Neural Progenitor Cells. International Journal of Molecular Sciences, 2010, 11, 5109-5119.	1.8	30
119	Camptothecin sensitizes human hepatoma Hep3B cells to TRAIL-mediated apoptosis via ROS-dependent death receptor 5 upregulation with the involvement of MAPKs. Environmental Toxicology and Pharmacology, 2014, 38, 959-967.	2.0	30
120	<i>Schisandrae Fructus</i> Inhibits IL-1 α -Induced Matrix Metalloproteinases and Inflammatory Mediators Production in SW1353 Human Chondrocytes by Suppressing NF- κ B and MAPK Activation. Drug Development Research, 2015, 76, 474-483.	1.4	30
121	HSP70-1 is required for interleukin-5-induced angiogenic responses through eNOS pathway. Scientific Reports, 2017, 7, 44687.	1.6	30
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