Nam Joo Kang

List of Publications by Year
in descending order

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67 papers	2,830 citations	136740 32 h-index	174990 52 g-index
68 all docs	68 docs citations	68 times ranked	3866 citing authors

#	Article	IF	Citations
1	Raf and MEK Protein Kinases Are Direct Molecular Targets for the Chemopreventive Effect of Quercetin, a Major Flavonol in Red Wine. Cancer Research, 2008, 68, 946-955.	0.4	178
2	Caffeic acid, a phenolic phytochemical in coffee, directly inhibits Fyn kinase activity and UVB-induced COX-2 expression. Carcinogenesis, 2008, 30, 321-330.	1.3	176
3	Myricetin Suppresses UVB-Induced Skin Cancer by Targeting Fyn. Cancer Research, 2008, 68, 6021-6029.	0.4	145
4	Myricetin is a novel natural inhibitor of neoplastic cell transformation and MEK1. Carcinogenesis, 2007, 28, 1918-1927.	1.3	115
5	Coffee phenolic phytochemicals suppress colon cancer metastasis by targeting MEK and TOPK. Carcinogenesis, 2011, 32, 921-928.	1.3	107
6	Myricetin suppresses UVB-induced wrinkle formation and MMP-9 expression by inhibiting Raf. Biochemical Pharmacology, 2010, 79, 1455-1461.	2.0	98
7	Enzymatic production of 3,6-anhydro-l-galactose from agarose and its purification and in vitro skin whitening and anti-inflammatory activities. Applied Microbiology and Biotechnology, 2013, 97, 2961-2970.	1.7	96
8	Delphinidin suppresses ultraviolet B-induced cyclooxygenases-2 expression through inhibition of MAPKK4 and PI-3 kinase. Carcinogenesis, 2009, 30, 1932-1940.	1.3	95
9	Mitogen- and Stress-Activated Kinase 1â€“Mediated Histone H3 Phosphorylation Is Crucial for Cell Transformation. Cancer Research, 2008, 68, 2538-2547.	0.4	88
10	Activation of phosphatidylinositol 3-kinase is required for tumor necrosis factor-Î±-induced upregulation of matrix metalloproteinase-9: Its direct inhibition by quercetin. International Journal of Biochemistry and Cell Biology, 2009, 41, 1592-1600.	1.2	78
11	Cocoa Procyanidins Suppress Transformation by Inhibiting Mitogen-activated Protein Kinase Kinase. Journal of Biological Chemistry, 2008, 283, 20664-20673.	1.6	71
12	Myricetin is a potent chemopreventive phytochemical in skin carcinogenesis. Annals of the New York Academy of Sciences, 2011, 1229, 124-132.	1.8	71
13	7,3â€²,4â€²-Trihydroxyisoflavone, a Metabolite of the Soy Isoflavone Daidzein, Suppresses Ultraviolet B-induced Skin Cancer by Targeting Cot and MKK4. Journal of Biological Chemistry, 2011, 286, 14246-14256.	1.6	68
14	Different Levels of Skin Whitening Activity among 3,6-Anhydro-l-galactose, Agarooligosaccharides, and Neoagarooligosaccharides. Marine Drugs, 2017, 15, 321.	2.2	68
15	Caffeic acid phenethyl ester inhibits invasion and expression of matrix metalloproteinase in SK-Hep1 human hepatocellular carcinoma cells by targeting nuclear factor kappa B. Genes and Nutrition, 2008, 2, 319-322.	1.2	61
16	Equol, a Metabolite of the Soybean Isoflavone Daidzein, Inhibits Neoplastic Cell Transformation by Targeting the MEK/ERK/p90RSK/Activator Protein-1 Pathway. Journal of Biological Chemistry, 2007, 282, 32856-32866.	1.6	60
17	Beneficial Effects of Marine Algae-Derived Carbohydrates for Skin Health. Marine Drugs, 2018, 16, 459.	2.2	54
18	MKK4 is a novel target for the inhibition of tumor necrosis factor-Î±-induced vascular endothelial growth factor expression by myricetin. Biochemical Pharmacology, 2009, 77, 412-421.	2.0	51

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19	Fyn kinase is a direct molecular target of delphinidin for the inhibition of cyclooxygenase-2 expression induced by tumor necrosis factor-Î±. Biochemical Pharmacology, 2009, 77, 1213-1222.	2.0	51
20	Cocoa polyphenols suppress TNF-Î±-induced vascular endothelial growth factor expression by inhibiting phosphoinositide 3-kinase (PI3K) and mitogen-activated protein kinase kinase-1 (MEK1) activities in mouse epidermal cells. British Journal of Nutrition, 2010, 104, 957-964.	1.2	51
21	Phloretin Induces Apoptosis in Hâ€Ras MCF10A Human Breast Tumor Cells through the Activation of p53 via JNK and p38 Mitogenâ€Activated Protein Kinase Signaling. Annals of the New York Academy of Sciences, 2009, 1171, 479-483.	1.8	49
22	Delphinidin Attenuates Neoplastic Transformation in JB6 Cl41 Mouse Epidermal Cells by Blocking Raf/Mitogen-Activated Protein Kinase Kinase/Extracellular Signal-Regulated Kinase Signaling. Cancer Prevention Research, 2008, 1, 522-531.	0.7	48
23	Development of a keratinase activity assay using recombinant chicken feather keratin substrates. PLoS ONE, 2017, 12, e0172712.	1.1	46
24	7,3â€²,4â€²-Trihydroxyisoflavone Inhibits Epidermal Growth Factor-induced Proliferation and Transformation of JB6 P+ Mouse Epidermal Cells by Suppressing Cyclin-dependent Kinases and Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 2010, 285, 21458-21466.	1.6	40
25	Structural and Functional Analysis of the Natural JNK1 Inhibitor Quercetagetin. Journal of Molecular Biology, 2013, 425, 411-423.	2.0	40
26	Quercetin, the active phenolic component in kiwifruit, prevents hydrogen peroxide-induced inhibition of gap-junction intercellular communication. British Journal of Nutrition, 2010, 104, 164-170.	1.2	39
27	Cocoa procyanidins inhibit expression and activation of MMP-2 in vascular smooth muscle cells by direct inhibition of MEK and MT1-MMP activities. Cardiovascular Research, 2008, 79, 34-41.	1.8	37
28	Cocoa procyanidins attenuate 4-hydroxynonenal-induced apoptosis of PC12 cells by directly inhibiting mitogen-activated protein kinase kinase 4 activity. Free Radical Biology and Medicine, 2009, 46, 1319-1327.	1.3	36
29	Quercetin suppresses invasion and migration of H-Ras-transformed MCF10A human epithelial cells by inhibiting phosphatidylinositol 3-kinase. Food Chemistry, 2014, 142, 66-71.	4.2	36
30	Piceatannol Attenuates 4â€Hydroxynonenalâ€Induced Apoptosis of PC12 Cells by Blocking Activation of câ€Jun Nâ€Terminal Kinase. Annals of the New York Academy of Sciences, 2009, 1171, 176-182.	1.8	35
31	20â€Oâ€²â€dâ€Glucopyranosylâ€20(S)â€Protopanaxadiol Suppresses UVâ€Induced MMPâ€1 Expression Through AMPKâ€Mediated mTOR Inhibition as a Downstream of the PKAâ€LKB1 Pathway. Journal of Cellular Biochemistry, 2014, 115, 1702-1711.	1.2	34
32	Low-molecular weight keratins with anti-skin aging activity produced by anaerobic digestion of poultry feathers with Fervidobacterium islandicum AW-1. Journal of Biotechnology, 2018, 271, 17-25.	1.9	34
33	H-Ras selectively up-regulates MMP-9 and COX-2 through activation of ERK1/2 and NF-ÎºB: An implication for invasive phenotype in rat liver epithelial cells. International Journal of Cancer, 2006, 119, 1767-1775.	2.3	32
34	Myricetin Down-Regulates Phorbol Ester-Induced Cyclooxygenase-2 Expression in Mouse Epidermal Cells by Blocking Activation of Nuclear Factor Kappa B. Journal of Agricultural and Food Chemistry, 2007, 55, 9678-9684.	2.4	31
35	Ginsenoside F1 attenuates hyperpigmentation in B16F10 melanoma cells by inducing dendrite retraction and activating Rho signalling. Experimental Dermatology, 2015, 24, 150-152.	1.4	30
36	Luteolin, a Novel Natural Inhibitor of Tumor Progression Locus 2 Serine/Threonine Kinase, Inhibits Tumor Necrosis Factor-Î±-Induced Cyclooxygenase-2 Expression in JB6 Mouse Epidermis Cells. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 1013-1022.	1.3	29

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37	The resveratrol analogue 3,5,3â€²,4â€²,5â€²â€pentahydroxyâ€transâ€stilbene inhibits cell transformation via MEK. International Journal of Cancer, 2008, 123, 2487-2496.	2.3	28
38	20-O-Î²-D-glucopyranosyl-20(S)-protopanaxadiol, a metabolite of ginsenoside Rb1, enhances the production of hyaluronic acid through the activation of ERK and Akt mediated by Src tyrosin kinase in human keratinocytes. International Journal of Molecular Medicine, 2015, 35, 1388-1394.	1.8	28
39	New approaches towards the discovery and evaluation of bioactive peptides from natural resources. Critical Reviews in Environmental Science and Technology, 2020, 50, 72-103.	6.6	28
40	Inhibition of Gap Junctional Intercellular Communication by the Green Tea Polyphenol (â^')-Epigallocatechin Gallate in Normal Rat Liver Epithelial Cells. Journal of Agricultural and Food Chemistry, 2008, 56, 10422-10427.	2.4	27
41	Gallic Acid Induces Neuronal Cell Death through Activation of câ€Jun Nâ€Terminal Kinase and Downregulation of Bclâ€2. Annals of the New York Academy of Sciences, 2009, 1171, 514-520.	1.8	26
42	Rutin inhibits B[a]PDE-induced cyclooxygenase-2 expression by targeting EGFR kinase activity. Biochemical Pharmacology, 2013, 86, 1468-1475.	2.0	26
43	Effects of phenolics in Empire apples on hydrogen peroxide-induced inhibition of gap-junctional intercellular communication. BioFactors, 2004, 21, 361-365.	2.6	25
44	Cyanidin suppresses neoplastic cell transformation by directly targeting phosphatidylinositol 3-kinase. Food Chemistry, 2012, 133, 658-664.	4.2	22
45	Cocoa polyphenols attenuate hydrogen peroxide-induced inhibition of gap-junction intercellular communication by blocking phosphorylation of connexin 43 via the MEK/ERK signaling pathwayâ^†. Journal of Nutritional Biochemistry, 2010, 21, 680-686.	1.9	21
46	Identification of Matrix Metalloproteinase-1-Suppressive Peptides in Feather Keratin Hydrolysate. Journal of Agricultural and Food Chemistry, 2018, 66, 12719-12729.	2.4	21
47	Disordered development of gut microbiome interferes with the establishment of the gut ecosystem during early childhood with atopic dermatitis. Gut Microbes, 2022, 14, 2068366.	4.3	20
48	A Combination of Soybean and Haematococcus Extract Alleviates Ultraviolet B-Induced Photoaging. International Journal of Molecular Sciences, 2017, 18, 682.	1.8	18
49	Ginsenosides Rg5 and Rk1, the skin-whitening agents in black ginseng. Journal of Functional Foods, 2018, 45, 67-74.	1.6	18
50	In Vitro Prebiotic and Anti-Colon Cancer Activities of Agar-Derived Sugars from Red Seaweeds. Marine Drugs, 2021, 19, 213.	2.2	18
51	Inhibitory effects of caffeine analogues on neoplastic transformation: structure-activity relationship. Carcinogenesis, 2008, 29, 1228-1234.	1.3	16
52	3,6-Anhydro-L-galactose increases hyaluronic acid production via the EGFR and AMPKÎ± signaling pathway in HaCaT keratinocytes. Journal of Dermatological Science, 2019, 96, 90-98.	1.0	15
53	Effect of 3,6â€anhydroâ€<scp>l</scp>â€galactose on Î±â€melanocyte stimulating hormoneâ€induced melanogenesis in human melanocytes and a skinâ€equivalent model. Journal of Cellular Biochemistry, 2018, 119, 7643-7656.	1.2	13
54	Protective Effects of Red Wine Flavonols on 4â€Hydroxynonenalâ€Induced Apoptosis in PC12 Cells. Annals of the New York Academy of Sciences, 2009, 1171, 170-175.	1.8	12

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55	7,3â€²,4â€²-Trihydroxyisoflavone, a Metabolite of the Soy Isoflavone Daidzein, Suppresses Î±-Melanocyte-Stimulating Hormone-Induced Melanogenesis by Targeting Melanocortin 1 Receptor. Frontiers in Molecular Biosciences, 2020, 7, 577284.	1.6	12
56	Extraction and chromatographic separation of anticarcinogenic fractions from cacao bean husk. BioFactors, 2005, 23, 141-150.	2.6	10
57	Penta-1,2,3,4,6-O-Galloyl-Î²-D-Glucose Inhibits UVB-Induced Photoaging by Targeting PAK1 and JNK1. Antioxidants, 2019, 8, 561.	2.2	9
58	Acetylated Resveratrol and Oxyresveratrol Suppress UVB-Induced MMP-1 Expression in Human Dermal Fibroblasts. Antioxidants, 2021, 10, 1252.	2.2	8
59	Improved assay for determining the total radical-scavenging capacity of antioxidants and foods. International Journal of Food Sciences and Nutrition, 2009, 60, 12-20.	1.3	7
60	Fluorescence-based Quantification of Bioactive Keratin Peptides from Feathers for Optimizing Large-scale Anaerobic Fermentation and Purification. Biotechnology and Bioprocess Engineering, 2019, 24, 240-249.	1.4	7
61	Diet-Induced Hostâ€“Microbe Interactions: Personalized Diet Strategies for Improving Inflammatory Bowel Disease. Current Developments in Nutrition, 2022, 6, nzac110.	0.1	7
62	A Genomics-Based Semirational Approach for Expanding the Postbiotic Potential of Collagen Peptides Using Lactobacillaceae. Journal of Agricultural and Food Chemistry, 2022, 70, 8365-8376.	2.4	4
63	Protective effect of rutin against ultraviolet b-induced cyclooxygenase-2 expression in mouse epidermal cells. Food Science and Biotechnology, 2013, 22, 1-6.	1.2	0
64	3,4-Dihydroxytoluene Inhibits Epidermal Growth Factor-induced Cell Transformation in JB6 P+ Mouse Epidermal Cells by Suppressing Raf-1. The Korean Journal of Food and Nutrition, 2015, 28, 111-118.	0.3	0
65	ë£¨ï‹´ ëŒ€ì‚¬ì²˜ ë¯¸ë°± íš¨ëŠ¥. Korean Journal of Food Preservation, 2015, 22, 607-612.	0.2	0
66	Rutin Suppresses Neoplastic Cell Transformation by Inhibiting ERK and JNK Signaling Pathways. The Korean Journal of Food and Nutrition, 2015, 28, 579-585.	0.3	0
67	Identification of the MMP-1 regulation mechanism of benzopyrene, polycyclic aromatic hydrocarbons in foods. Korean Journal of Food Preservation, 2020, 27, 627-634.	0.2	0