Young-Sam Keum

List of Publications by Year
in descending order

50 papers	2,806 citations	331670 21 h-index	197818 49 g-index
52 all docs	52 docs citations	52 times ranked	4276 citing authors

#	Article	IF	Citations
1	Identification of myricetin and scutellarein as novel chemical inhibitors of the SARS coronavirus helicase, nsP13. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4049-4054.	2.2	342
2	Mechanism of Action of Sulforaphane: Inhibition of p38 Mitogen-Activated Protein Kinase Isoforms Contributing to the Induction of Antioxidant Response Elementâ€"Mediated Heme Oxygenase-1 in Human Hepatoma HepG2 Cells. Cancer Research, 2006, 66, 8804-8813.	0.9	272
3	Chemoprevention by isothiocyanates and their underlying molecular signaling mechanisms. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 555, 191-202.	1.0	249
4	Molecular and Chemical Regulation of the Keap1-Nrf2 Signaling Pathway. Molecules, 2014, 19, 10074-10089.	3.8	177
5	Inhibitory effects of the ginsenoside Rg3 on phorbol ester-induced cyclooxygenase-2 expression, NF-ÎºB activation and tumor promotion. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 523-524, 75-85.	1.0	167
6	ERK and JNK signaling pathways are involved in the regulation of activator protein 1 and cell death elicited by three isothiocyanates in human prostate cancer PC-3 cells. Carcinogenesis, 2006, 27, 437-445.	2.8	163
7	Involvement of Nrf2 and JNK1 in the activation of antioxidant responsive element (ARE) by chemopreventive agent phenethyl isothiocyanate (PEITC). Pharmaceutical Research, 2003, 20, 1351-1356.	3.5	139
8	Inhibitory effects of curcumin and capsaicin on phorbol esterâ€induced activation of eukaryotic transcription factors, NFâ€ºB and APâ€1. BioFactors, 2000, 12, 107-112.	5.4	120
9	Regulation of the Keap1/Nrf2 system by chemopreventive sulforaphane: implications of posttranslational modifications. Annals of the New York Academy of Sciences, 2011, 1229, 184-189.	3.8	111
10	Pharmacokinetics and Pharmacodynamics of Broccoli Sprouts on the Suppression of Prostate Cancer in Transgenic Adenocarcinoma of Mouse Prostate (TRAMP) Mice: Implication of Induction of Nrf2, HO-1 and Apoptosis and the Suppression of Akt-dependent Kinase Pathway. Pharmaceutical Research, 2009, 26, 2324-2331.	3.5	101
11	Differential Expression and Stability of Endogenous Nuclear Factor E2-related Factor 2 (Nrf2) by Natural Chemopreventive Compounds in HepG2 Human Hepatoma Cells. BMB Reports, 2005, 38, 167-176.	2.4	94
12	Induction of Heme Oxygenase-1 (HO-1) and NAD[P]H: Quinone Oxidoreductase 1 (NQO1) by a Phenolic Antioxidant, Butylated Hydroxyanisole (BHA) and Its Metabolite, tert-Butylhydroquinone (tBHQ) in Primary-Cultured Human and Rat Hepatocytes. Pharmaceutical Research, 2006, 23, 2586-2594.	3.5	83
13	Chemopreventive functions of isothiocyanates. Drug News and Perspectives, 2005, 18, 445.	1.5	83
14	Regulation of Nrf2-Mediated Phase II Detoxification and Anti-oxidant Genes. Biomolecules and Therapeutics, 2012, 20, 144-151.	2.4	79
15	NRF2, a Key Regulator of Antioxidants with Two Faces towards Cancer. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-7.	4.0	75
16	Development of chemical inhibitors of the SARS coronavirus: Viral helicase as a potential target. Biochemical Pharmacology, 2012, 84, 1351-1358.	4.4	70
17	Keap1 Cysteine 288 as a Potential Target for Diallyl Trisulfide-Induced Nrf2 Activation. PLoS ONE, 2014, 9, e85984.	2.5	69
18	Mechanisms of Nrf2/Keap1-Dependent Phase II Cytoprotective and Detoxifying Gene Expression and Potential Cellular Targets of Chemopreventive Isothiocyanates. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-7.	4.0	38

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19	Binding partners of NRF2: Functions and regulatory mechanisms. Archives of Biochemistry and Biophysics, 2019, 678, 108184.	3.0	37
20	Resveratrol Inhibits IL-6-Induced Transcriptional Activity of AR and STAT3 in Human Prostate Cancer LNCaP-FGC Cells. Biomolecules and Therapeutics, 2014, 22, 426-430.	2.4	29
21	Auranofin Attenuates Non-Alcoholic Fatty Liver Disease by Suppressing Lipid Accumulation and NLRP3 Inflammasome-Mediated Hepatic Inflammation In Vivo and In Vitro. Antioxidants, 2020, 9, 1040.	5.1	27
22	Marliolide inhibits skin carcinogenesis by activating NRF2/ARE to induce heme oxygenase-1. European Journal of Medicinal Chemistry, 2018, 150, 113-126.	5.5	21
23	Suppression of NRF2/ARE by convallatoxin sensitises A549 cells to 5-FU-mediated apoptosis. Free Radical Research, 2018, 52, 1416-1423.	3.3	21
24	Molecular mechanisms and systemic targeting of NRF2 dysregulation in cancer. Biochemical Pharmacology, 2020, 177, 114002.	4.4	20
25	3-Morpholinopropyl isothiocyanate is a novel synthetic isothiocyanate that strongly induces the antioxidant response element-dependent Nrf2-mediated detoxifying/antioxidant enzymes in vitro and in vivo. Carcinogenesis, 2007, 29, 594-599.	2.8	18
26	Discovery of Î±-mangostin as a novel competitive inhibitor against mutant isocitrate dehydrogenase-1. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5625-5631.	2.2	16
27	Inhibition of SARS Coronavirus Helicase by Baicalein. Bulletin of the Korean Chemical Society, 2013, 34, 3187-3188.	1.9	16
28	Hwang-Heuk-San induces apoptosis in HCT116 human colorectal cancer cells through the ROS-mediated activation of caspases and the inactivation of the PI3K/Akt signaling pathway. Oncology Reports, 2016, 36, 205-214.	2.6	13
29	Homoharringtonine stabilizes secondary structure of guanine-rich sequence existing in the 5â€²-untranslated region of Nrf2. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2189-2196.	2.2	13
30	Cardamonin Inhibits Oxazolone-Induced Atopic Dermatitis by the Induction of NRF2 and the Inhibition of Th2 Cytokine Production. Antioxidants, 2020, 9, 834.	5.1	13
31	Red ginseng oil promotes hair growth and protects skin against UVC radiation. Journal of Ginseng Research, 2021, 45, 498-509.	5.7	13
32	Live bio-imaging with fully bio-compatible organic fluorophores. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 52-57.	3.8	11
33	Isocitrate dehydrogenase mutations: new opportunities for translational research. BMB Reports, 2015, 48, 266-270.	2.4	9
34	Acetonitrile extract of Salvia miltiorrhiza Radix exhibits growth-inhibitory effects on prostate cancer cells through the induction of cell cycle arrest and apoptosis. Oncology Letters, 2017, 13, 2921-2928.	1.8	9
35	Inhibition of oxidative stress induced-cytotoxicity by coptisine in V79-4 Chinese hamster lung fibroblasts through the induction of Nrf-2 mediated HO-1 expression. Genes and Genomics, 2021, 43, 17-31.	1.4	9
36	Finasteride Increases the Expression of Hemoxygenase-1 (HO-1) and NF-E2-Related Factor-2 (Nrf2) Proteins in PC-3 Cells: Implication of Finasteride-Mediated High-Grade Prostate Tumor Occurrence. Biomolecules and Therapeutics, 2013, 21, 49-53.	2.4	9

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37	Sulforaphane inhibition of TPA-mediated PDCD4 downregulation contributes to suppression of c-Jun and induction of p21-dependent Nrf2 expression. European Journal of Pharmacology, 2014, 741, 247-253.	3.5	8
38	Sensitization of 5-Fluorouracil-Resistant SNUC5 Colon Cancer Cells to Apoptosis by Î±-Mangostin. Biomolecules and Therapeutics, 2016, 24, 604-609.	2.4	7
39	E-p-Methoxycinnamoyl-Î±-l-rhamnopyranosyl Ester, a Phenylpropanoid Isolated from Scrophularia buergeriana, Increases Nuclear Factor Erythroid-Derived 2-Related Factor 2 Stability by Inhibiting Ubiquitination in Human Keratinocytes. Molecules, 2018, 23, 768.	3.8	7
40	Regulation of NRF2 by Na+/K+-ATPase: implication of tyrosine phosphorylation of Src. Free Radical Research, 2020, 54, 883-893.	3.3	7
41	Identification of 4â€²- O -Î²- d -glucosyl-5- O -methylvisamminol as a novel epigenetic suppressor of histone H3 phosphorylation at Ser10 and its interaction with 14-3-3Îµ. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4763-4767.	2.2	6
42	Identification of a New Selective Chemical Inhibitor of Mutant Isocitrate Dehydrogenase-1. Journal of Cancer Prevention, 2015, 20, 78-83.	2.0	6
43	Ethanol Extract ofCirsium japonicumvar.ussurienseKitamura Exhibits the Activation of Nuclear Factor Erythroid 2-Related Factor 2-dependent Antioxidant Response Element and Protects Human Keratinocyte HaCaT Cells Against Oxidative DNA Damage. Journal of Cancer Prevention, 2016, 21, 66-72.	2.0	6
44	Sulforaphane Suppresses LPSâ€induced or TPAâ€induced Downregulation of PDCD4 in RAW 264.7 Cells. Phytotherapy Research, 2014, 28, 1606-1611.	5.8	5
45	Effect of fermented oyster extract on growth promotion in Sprague–Dawley rats. Integrative Medicine Research, 2020, 9, 100412.	1.8	5
46	Ethanol Extract of Chaenomeles sinensis Inhibits the Development of Benign Prostatic Hyperplasia by Exhibiting Anti-oxidant and Anti-inflammatory Effects. Journal of Cancer Prevention, 2022, 27, 42-49.	2.0	4
47	Triptolide Downregulates the Expression of NRF2 Target Genes by Increasing Cytoplasmic Localization of NRF2 in A549 Cells. Frontiers in Pharmacology, 2021, 12, 680167.	3.5	3
48	4â€™-O-Î²-D-Glucosyl-5-O-Methylvisamminol Attenuates Pro-Inflammatory Responses and Protects against Oxidative Damages. Biomolecules and Therapeutics, 2019, 27, 381-385.	2.4	3
49	BAP1 Downregulates NRF2 Target Genes and Exerts Anti-Tumorigenic Effects by Deubiquitinating KEAP1 in Lung Adenocarcinoma. Antioxidants, 2022, 11, 114.	5.1	3
50	Effect of irradiation on cytokine secretion and nitric oxide production by inflammatory macrophages. Genes and Genomics, 2016, 38, 717-722.	1.4	0