

Mi-Kyoung Kwak

List of Publications by Year in descending order

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61
papers

5,276
citations

117625

34
h-index

161849

54
g-index

61
all docs

61
docs citations

61
times ranked

7288
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Gene Expression by Cancer Chemopreventive Dithiolethiones through the Keap1-Nrf2 Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 8135-8145.	3.4	611
2	Antioxidants Enhance Mammalian Proteasome Expression through the Keap1-Nrf2 Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2003, 23, 8786-8794.	2.3	446
3	The Nrf2 System as a Potential Target for the Development of Indirect Antioxidants. <i>Molecules</i> , 2010, 15, 7266-7291.	3.8	380
4	Role of Transcription Factor Nrf2 in the Induction of Hepatic Phase 2 and Antioxidative Enzymes in vivo by the Cancer Chemoprotective Agent, 3H-1, 2-Dithiole-3-thione. <i>Molecular Medicine</i> , 2001, 7, 135-145.	4.4	317
5	Targeting NRF2 signaling for cancer chemoprevention. <i>Toxicology and Applied Pharmacology</i> , 2010, 244, 66-76.	2.8	263
6	Chemoprevention through the Keap1-Nrf2 signaling pathway by phase 2 enzyme inducers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 555, 133-148.	1.0	258
7	NRF2 Blockade Suppresses Colon Tumor Angiogenesis by Inhibiting Hypoxia-Induced Activation of HIF-1 α . <i>Cancer Research</i> , 2011, 71, 2260-2275.	0.9	249
8	Role of phase 2 enzyme induction in chemoprotection by dithiolethiones. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 480-481, 305-315.	1.0	219
9	Regulation of Notch1 Signaling by Nrf2: Implications for Tissue Regeneration. <i>Science Signaling</i> , 2010, 3, ra52.	3.6	189
10	Regulatory crosstalk between the oxidative stress-related transcription factor Nfe2l2/Nrf2 and mitochondria. <i>Toxicology and Applied Pharmacology</i> , 2018, 359, 24-33.	2.8	172
11	Role of the Nrf2-antioxidant system in cytotoxicity mediated by anticancer cisplatin: Implication to cancer cell resistance. <i>Cancer Letters</i> , 2008, 260, 96-108.	7.2	145
12	Effect of Redox Modulating NRF2 Activators on Chronic Kidney Disease. <i>Molecules</i> , 2014, 19, 12727-12759.	3.8	135
13	Role of increased expression of the proteasome in the protective effects of sulforaphane against hydrogen peroxide-mediated cytotoxicity in murine neuroblastoma cells. <i>Free Radical Biology and Medicine</i> , 2007, 43, 809-817.	2.9	125
14	High CD44 expression mediates p62-associated NFE2L2/NRF2 activation in breast cancer stem cell-like cells: Implications for cancer stem cell resistance. <i>Redox Biology</i> , 2018, 17, 246-258.	9.0	115
15	Acquisition of doxorubicin resistance in ovarian carcinoma cells accompanies activation of the NRF2 pathway. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1619-1631.	2.9	109
16	Redox Modulating NRF2: A Potential Mediator of Cancer Stem Cell Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	4.0	103
17	The NRF2-heme oxygenase-1 system modulates cyclosporin A-induced epithelial-mesenchymal transition and renal fibrosis. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1051-1063.	2.9	98
18	Identification of aldo-keto reductases as NRF2-target marker genes in human cells. <i>Toxicology Letters</i> , 2013, 218, 39-49.	0.8	91

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19	High NRF2 level mediates cancer stem cell-like properties of aldehyde dehydrogenase ⁺ (ALDH)-high ovarian cancer cells: inhibitory role of all-trans retinoic acid in ALDH/NRF2 signaling. <i>Cell Death and Disease</i> , 2018, 9, 896.	6.3	90
20	Impairment of HIF-1 α -mediated metabolic adaption by NRF2-silencing in breast cancer cells. <i>Redox Biology</i> , 2019, 24, 101210.	9.0	73
21	Role of the Nrf2-heme oxygenase-1 pathway in silver nanoparticle-mediated cytotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2012, 258, 89-98.	2.8	69
22	Activation of NRF2 by p62 and proteasome reduction in sphere-forming breast carcinoma cells. <i>Oncotarget</i> , 2015, 6, 8167-8184.	1.8	68
23	Inhibitory Role of the KEAP1-NRF2 Pathway in TGF β ² 1-Stimulated Renal Epithelial Transition to Fibroblastic Cells: A Modulatory Effect on SMAD Signaling. <i>PLoS ONE</i> , 2014, 9, e93265.	2.5	65
24	Bardoxolone ameliorates TGF β ² 1-associated renal fibrosis through Nrf2/Smad7 elevation. <i>Free Radical Biology and Medicine</i> , 2019, 138, 33-42.	2.9	62
25	Involvement of the Nrf2-proteasome pathway in the endoplasmic reticulum stress response in pancreatic β -cells. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 431-438.	2.8	54
26	The Sensitivity of Cancer Cells to Pheophorbide a-Based Photodynamic Therapy Is Enhanced by NRF2 Silencing. <i>PLoS ONE</i> , 2014, 9, e107158.	2.5	54
27	Induction of 26S proteasome subunit PSMB5 by the bifunctional inducer 3-methylcholanthrene through the Nrf2-ARE, but not the AhR/Arnt-XRE, pathway. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1350-1357.	2.1	52
28	Silver nanoparticles-mediated G2/M cycle arrest of renal epithelial cells is associated with NRF2-GSH signaling. <i>Toxicology Letters</i> , 2012, 211, 334-341.	0.8	52
29	Involvement of NRF2 Signaling in Doxorubicin Resistance of Cancer Stem Cell-Enriched Colonospheres. <i>Biomolecules and Therapeutics</i> , 2016, 24, 482-488.	2.4	52
30	The c-MET/PI3K Signaling Is Associated with Cancer Resistance to Doxorubicin and Photodynamic Therapy by Elevating BCRP/ABCG2 Expression. <i>Molecular Pharmacology</i> , 2015, 87, 465-476.	2.3	50
31	Caffeic acid phenethyl ester activation of Nrf2 pathway is enhanced under oxidative state: Structural analysis and potential as a pathologically targeted therapeutic agent in treatment of colonic inflammation. <i>Free Radical Biology and Medicine</i> , 2013, 65, 552-562.	2.9	47
32	NFE2L2/NRF2 Activity Is Linked to Mitochondria and AMP-Activated Protein Kinase Signaling in Cancers Through miR-181c/Mitochondria-Encoded Cytochrome c Oxidase Regulation. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 945-961.	5.4	45
33	NRF2 inhibition represses ErbB2 signaling in ovarian carcinoma cells: Implications for tumor growth retardation and docetaxel sensitivity. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1773-1785.	2.9	39
34	Involvement of Nrf2-GSH signaling in TGF β ² 1-stimulated epithelial-to-mesenchymal transition changes in rat renal tubular cells. <i>Archives of Pharmacal Research</i> , 2015, 38, 272-281.	6.3	39
35	NRF2 Signaling Negatively Regulates Phorbol-12-Myristate-13-Acetate (PMA)-Induced Differentiation of Human Monocytic U937 Cells into Pro-Inflammatory Macrophages. <i>PLoS ONE</i> , 2015, 10, e0134235.	2.5	37
36	Tissue specific increase of the catalytic subunits of the 26S proteasome by indirect antioxidant dithiolethione in mice: Enhanced activity for degradation of abnormal protein. <i>Life Sciences</i> , 2007, 80, 2411-2420.	4.3	30

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37	Shadows of NRF2 in cancer: Resistance to chemotherapy. <i>Current Opinion in Toxicology</i> , 2016, 1, 20-28.	5.0	30
38	Regulation of the expression of renal drug transporters in KEAP1-knockdown human tubular cells. <i>Toxicology in Vitro</i> , 2015, 29, 884-892.	2.4	29
39	Beneficial Effects of Sarpogrelate and Rosuvastatin in High Fat Diet/Streptozotocin-Induced Nephropathy in Mice. <i>PLoS ONE</i> , 2016, 11, e0153965.	2.5	28
40	Suppression of Nrf2 signaling by angiotensin II in murine renal epithelial cells. <i>Archives of Pharmacal Research</i> , 2011, 34, 829-836.	6.3	26
41	NFE2L2/NRF2 silencing-inducible miR-206 targets c-MET/EGFR and suppresses BCRP/ABCG2 in cancer cells. <i>Oncotarget</i> , 2017, 8, 107188-107205.	1.8	26
42	The multifaceted role of NRF2 in cancer progression and cancer stem cells maintenance. <i>Archives of Pharmacal Research</i> , 2021, 44, 263-280.	6.3	23
43	Effect of stable inhibition of NRF2 on doxorubicin sensitivity in human ovarian carcinoma OV90 cells. <i>Archives of Pharmacal Research</i> , 2010, 33, 717-726.	6.3	21
44	NRF2 level is negatively correlated with TGF- β 1-induced lung cancer motility and migration via NOX4-ROS signaling. <i>Archives of Pharmacal Research</i> , 2020, 43, 1297-1310.	6.3	20
45	Role of CD133/NRF2 Axis in the Development of Colon Cancer Stem Cell-Like Properties. <i>Frontiers in Oncology</i> , 2021, 11, 808300.	2.8	16
46	Amelioration of high fat diet-induced nephropathy by cilostazol and rosuvastatin. <i>Archives of Pharmacal Research</i> , 2017, 40, 391-402.	6.3	15
47	Overexpression of CD44 Standard Isoform Upregulates HIF-1 α Signaling in Hypoxic Breast Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2018, 26, 487-493.	2.4	14
48	High Levels of Hyaluronic Acid Synthase-2 Mediate NRF2-Driven Chemoresistance in Breast Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2022, 30, 368-379.	2.4	7
49	Negative correlation of urinary miR-199a-3p level with ameliorating effects of sarpogrelate and cilostazol in hypertensive diabetic nephropathy. <i>Biochemical Pharmacology</i> , 2021, 184, 114391.	4.4	6
50	Pravastatin and Sarpogrelate Synergistically Ameliorate Atherosclerosis in LDLr-Knockout Mice. <i>PLoS ONE</i> , 2016, 11, e0150791.	2.5	5
51	Tempo-spatial Activation of Sequential Quadruple Stimuli for High Gene Expression of Polymeric Gene Nanocomplexes. <i>Molecular Pharmaceutics</i> , 2017, 14, 842-855.	4.6	3
52	Where are we now in diabetic research?. <i>Archives of Pharmacal Research</i> , 2013, 36, 142-144.	6.3	2
53	Inhibition of cytochrome P450 2B6 by Astragalus extract mixture HT042. <i>Toxicological Research</i> , 2020, 36, 195-201.	2.1	1
54	Role of induction of the 26S proteasome in protective effects of sulforaphane against hydrogen peroxide-mediated cytotoxicity in murine neuroblastoma cells. <i>FASEB Journal</i> , 2007, 21, A1175.	0.5	1

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55	Induction of 26S proteasome subunit PSMB5 by the bifunctional inducers through the Nrf2-ARE pathway. FASEB Journal, 2007, 21, A1182.	0.5	0
56	Inhibition of the Nrf2-Antioxidant Pathway Sensitizes Cells to Alkylating Anticancer Drugs. FASEB Journal, 2008, 22, 1136.17.	0.5	0
57	Involvement of NSAID-activated gene-1 in a novel synthetic hexahydrocannabinol analogue-induced growth inhibition and apoptosis of colon cancer cells. FASEB Journal, 2010, 24, 965.8.	0.5	0
58	Role of NRF2 in cyclosporine A-induced renal fibrosis. FASEB Journal, 2010, 24, 968.4.	0.5	0
59	Inhibitory role of Nfe2l2 (Nrf2) in Tgf-beta1-Smad signaling through Smad7 elevation in mouse mesangial MES-13 cell. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-3-20.	0.0	0
60	Role of Nrf2 in drug resistance of cancer stem-like cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY21-3.	0.0	0
61	Hyaluronan synthase HAS2 promotes chemoresistance by upregulating NRF2 expression. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-45.	0.0	0