Ah-Ng Kong

List of Publications by Year
in descending order

109 papers	8,853 citations	57758 44 h-index	42399 92 g-index
110 all docs	110 docs citations	110 times ranked	11334 citing authors

#	Article	IF	Citations
1	Molecular mechanisms of Nrf2â€mediated antioxidant response. Molecular Carcinogenesis, 2009, 48, 91-104.	2.7	666
2	Activation of Nrf2-antioxidant signaling attenuates NFÎºB-inflammatory response and elicits apoptosis. Biochemical Pharmacology, 2008, 76, 1485-1489.	4.4	658
3	Nrf2-Deficient Mice Have an Increased Susceptibility to Dextran Sulfate Sodiumâ€"Induced Colitis. Cancer Research, 2006, 66, 11580-11584.	0.9	444
4	An Update on Current Therapeutic Drugs Treating COVID-19. Current Pharmacology Reports, 2020, 6, 56-70.	3.0	438
5	The complexity of the Nrf2 pathway: beyond the antioxidant response. Journal of Nutritional Biochemistry, 2015, 26, 1401-1413.	4.2	325
6	Molecular Targets of Dietary Phenethyl Isothiocyanate and Sulforaphane for Cancer Chemoprevention. AAPS Journal, 2010, 12, 87-97.	4.4	320
7	Sulforaphane suppressed LPS-induced inflammation in mouse peritoneal macrophages through Nrf2 dependent pathway. Biochemical Pharmacology, 2008, 76, 967-973.	4.4	279
8	Increased Susceptibility of Nrf2 Knockout Mice to Colitis-Associated Colorectal Cancer. Cancer Prevention Research, 2008, 1, 187-191.	1.5	269
9	Phytochemicals: cancer chemoprevention and suppression of tumor onset and metastasis. Cancer and Metastasis Reviews, 2010, 29, 483-502.	5.9	220
10	Pharmacodynamics of curcumin as DNA hypomethylation agent in restoring the expression of Nrf2 via promoter CpGs demethylation. Biochemical Pharmacology, 2011, 82, 1073-1078.	4.4	213
11	The berry constituents quercetin, kaempferol, and pterostilbene synergistically attenuate reactive oxygen species: Involvement of the Nrf2-ARE signaling pathway. Food and Chemical Toxicology, 2014, 72, 303-311.	3.6	204
12	Nrf2 Expression Is Regulated by Epigenetic Mechanisms in Prostate Cancer of TRAMP Mice. PLoS ONE, 2010, 5, e8579.	2.5	192
13	Epigenetic regulation of Keap1-Nrf2 signaling. Free Radical Biology and Medicine, 2015, 88, 337-349.	2.9	187
14	Sulforaphane enhances Nrf2 expression in prostate cancer TRAMP C1 cells through epigenetic regulation. Biochemical Pharmacology, 2013, 85, 1398-1404.	4.4	174
15	Nrf2 plays an important role in coordinated regulation of Phase II drug metabolism enzymes and Phase III drug transporters. Biopharmaceutics and Drug Disposition, 2009, 30, 345-355.	1.9	155
16	Epigenetic CpG Demethylation of the Promoter and Reactivation of the Expression of Neurog1 by Curcumin in Prostate LNCaP Cells. AAPS Journal, 2011, 13, 606-614.	4.4	152
17	â€œCurcumin, the King of Spicesâ€: Epigenetic Regulatory Mechanisms in the Prevention of Cancer, Neurological, and Inflammatory Diseases. Current Pharmacology Reports, 2015, 1, 129-139.	3.0	151
18	Dietary Glucosinolates Sulforaphane, Phenethyl Isothiocyanate, Indole-3-Carbinol/3,3â€²-Diindolylmethane: Antioxidative Stress/Inflammation, Nrf2, Epigenetics/Epigenomics and In Vivo Cancer Chemopreventive Efficacy. Current Pharmacology Reports, 2015, 1, 179-196.	3.0	142

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19	Impact of Nrf2 on UVBâ€induced skin inflammation/photoprotection and photoprotective effect of sulforaphane. Molecular Carcinogenesis, 2011, 50, 479-486.	2.7	130
20	Requirement and Epigenetics Reprogramming of Nrf2 in Suppression of Tumor Promoter TPA-Induced Mouse Skin Cell Transformation by Sulforaphane. Cancer Prevention Research, 2014, 7, 319-329.	1.5	123
21	Apigenin Reactivates Nrf2 Anti-oxidative Stress Signaling in Mouse Skin Epidermal JB6 Pâ€‰+â€‰Cells Through Epigenetics Modifications. AAPS Journal, 2014, 16, 727-735.	4.4	112
22	Î³â€Tocopherolâ€enriched mixed tocopherol diet inhibits prostate carcinogenesis in TRAMP mice. International Journal of Cancer, 2009, 124, 1693-1699.	5.1	111
23	An internal ribosomal entry site mediates redox-sensitive translation of Nrf2. Nucleic Acids Research, 2010, 38, 778-788.	14.5	103
24	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
25	Induction of NRF2â€mediated gene expression by dietary phytochemical flavones apigenin and luteolin. Biopharmaceutics and Drug Disposition, 2015, 36, 440-451.	1.9	100
26	Curcumin inhibits anchorage-independent growth of HT29 human colon cancer cells by targeting epigenetic restoration of the tumor suppressor gene DLEC1. Biochemical Pharmacology, 2015, 94, 69-78.	4.4	99
27	Pharmacodynamics of dietary phytochemical indoles I3C and DIM: Induction of Nrf2-mediated phase II drug metabolizing and antioxidant genes and synergism with isothiocyanates. Biopharmaceutics and Drug Disposition, 2011, 32, 289-300.	1.9	95
28	DNA methylome and transcriptome alterations and cancer prevention by curcumin in colitis-accelerated colon cancer in mice. Carcinogenesis, 2018, 39, 669-680.	2.8	95
29	Synergistic Effect of Combination of Phenethyl Isothiocyanate and Sulforaphane or Curcumin and Sulforaphane in the Inhibition of Inflammation. Pharmaceutical Research, 2009, 26, 224-231.	3.5	94
30	Anti-oxidative stress regulator NF-E2-related factor 2 mediates the adaptive induction of antioxidant and detoxifying enzymes by lipid peroxidation metabolite 4-hydroxynonenal. Cell and Bioscience, 2012, 2, 40.	4.8	81
31	Epigenetic Modifications of Nrf2 by 3,3â€²-diindolylmethane In Vitro in TRAMP C1 Cell Line and In Vivo TRAMP Prostate Tumors. AAPS Journal, 2013, 15, 864-874.	4.4	72
32	Nrf2 null enhances UVB-induced skin inflammation and extracellular matrix damages. Cell and Bioscience, 2014, 4, 39.	4.8	72
33	Epigenetic DNA Methylation of Antioxidative Stress Regulator NRF2 in Human Prostate Cancer. Cancer Prevention Research, 2014, 7, 1186-1197.	1.5	69
34	The dietary flavone luteolin epigenetically activates the Nrf2 pathway and blocks cell transformation in human colorectal cancer HCT116 cells. Journal of Cellular Biochemistry, 2018, 119, 9573-9582.	2.6	66
35	Dietary Cancer Chemopreventive Agents â€“ Targeting Inflammation and Nrf2 Signaling Pathway. Planta Medica, 2008, 74, 1540-1547.	1.3	62
36	Epigenetics/epigenomics and prevention by curcumin of early stages of inflammatoryâ€driven colon cancer. Molecular Carcinogenesis, 2020, 59, 227-236.	2.7	61

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37	Epigenetic modifications of triterpenoid ursolic acid in activating Nrf2 and blocking cellular transformation of mouse epidermal cells. Journal of Nutritional Biochemistry, 2016, 33, 54-62.	4.2	59
38	Gut Microbiota, Dietary Phytochemicals, and Benefits to Human Health. Current Pharmacology Reports, 2019, 5, 332-344.	3.0	54
39	Differential in vivo mechanism of chemoprevention of tumor formation in azoxymethane/dextran sodium sulfate mice by PEITC and DBM. Carcinogenesis, 2010, 31, 880-885.	2.8	53
40	Blocking of JB6 Cell Transformation by Tanshinone IIA: Epigenetic Reactivation of Nrf2 Antioxidative Stress Pathway. AAPS Journal, 2014, 16, 1214-1225.	4.4	53
41	Effects of natural phytochemicals in Angelica sinensis (Danggui) on Nrf2â€mediated gene expression of phase II drug metabolizing enzymes and antiâ€inflammation. Biopharmaceutics and Drug Disposition, 2013, 34, 303-311.	1.9	52
42	Regulation of Keap1â€“Nrf2 signaling: The role of epigenetics. Current Opinion in Toxicology, 2016, 1, 134-138.	5.0	52
43	Paris Saponin II inhibits colorectal carcinogenesis by regulating mitochondrial fission and NF-ÎºB pathway. Pharmacological Research, 2019, 139, 273-285.	7.1	52
44	Fucoxanthin Elicits Epigenetic Modifications, Nrf2 Activation and Blocking Transformation in Mouse Skin JB6 P+ Cells. AAPS Journal, 2018, 20, 32.	4.4	48
45	Taxifolin Activates the Nrf2 Anti-Oxidative Stress Pathway in Mouse Skin Epidermal JB6 P+ Cells through Epigenetic Modifications. International Journal of Molecular Sciences, 2017, 18, 1546.	4.1	47
46	The epigenetic effects of aspirin: the modification of histone H3 lysine 27 acetylation in the prevention of colon carcinogenesis in azoxymethane- and dextran sulfate sodium-treated CF-1 mice. Carcinogenesis, 2016, 37, 616-624.	2.8	46
47	Epigenetic reactivation of RASSF1A by phenethyl isothiocyanate (PEITC) and promotion of apoptosis in LNCaP cells. Pharmacological Research, 2016, 114, 175-184.	7.1	46
48	Anthocyanin Delphinidin Prevents Neoplastic Transformation of Mouse Skin JB6 P+ Cells: Epigenetic Re-activation of Nrf2-ARE Pathway. AAPS Journal, 2019, 21, 83.	4.4	45
49	Pharmacokinetics and Pharmacodynamics of the Triterpenoid Ursolic Acid in Regulating the Antioxidant, Anti-inflammatory, and Epigenetic Gene Responses in Rat Leukocytes. Molecular Pharmaceutics, 2017, 14, 3709-3717.	4.6	44
50	Sulforaphane epigenetically demethylates the CpG sites of the miR-9-3 promoter and reactivates miR-9-3 expression in human lung cancer A549 cells. Journal of Nutritional Biochemistry, 2018, 56, 109-115.	4.2	44
51	Pharmacokinetics, Pharmacodynamics, and PKPD Modeling of Curcumin in Regulating Antioxidant and Epigenetic Gene Expression in Healthy Human Volunteers. Molecular Pharmaceutics, 2019, 16, 1881-1889.	4.6	44
52	Epigenetics Reactivation of Nrf2 in Prostate TRAMP C1 Cells by Curcumin Analogue FN1. Chemical Research in Toxicology, 2016, 29, 694-703.	3.3	43
53	Current Perspectives on Epigenetic Modifications by Dietary Chemopreventive and Herbal Phytochemicals. Current Pharmacology Reports, 2015, 1, 245-257.	3.0	42
54	A naturally occurring mixture of tocotrienols inhibits the growth of human prostate tumor, associated with epigenetic modifications of cyclin-dependent kinase inhibitors p21 and p27. Journal of Nutritional Biochemistry, 2017, 40, 155-163.	4.2	40

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55	MicroRNAs: new Players in Cancer Prevention Targeting Nrf2, Oxidative Stress and Inflammatory Pathways. Current Pharmacology Reports, 2015, 1, 21-30.	3.0	39
56	Moringa Isothiocyanate Activates Nrf2: Potential Role in Diabetic Nephropathy. AAPS Journal, 2019, 21, 31.	4.4	39
57	Mixed Tocotrienols Inhibit Prostate Carcinogenesis in TRAMP Mice. Nutrition and Cancer, 2010, 62, 789-794.	2.0	36
58	Epigenetics/epigenomics of triterpenoids in cancer prevention and in health. Biochemical Pharmacology, 2020, 175, 113890.	4.4	36
59	Pharmacokinetics, Pharmacodynamics and Drug Metabolism. Journal of Pharmaceutical Sciences, 2008, 97, 4528-4545.	3.3	35
60	The triterpenoid corosolic acid blocks transformation and epigenetically reactivates Nrf2 in TRAMPâ€C1 prostate cells. Molecular Carcinogenesis, 2018, 57, 512-521.	2.7	35
61	In Vitro-In Vivo Dose Response of Ursolic Acid, Sulforaphane, PEITC, and Curcumin in Cancer Prevention. AAPS Journal, 2018, 20, 19.	4.4	34
62	Dietary Feeding of Dibenzoylmethane Inhibits Prostate Cancer in Transgenic Adenocarcinoma of the Mouse Prostate Model. Cancer Research, 2009, 69, 7096-7102.	0.9	33
63	Mechanisms of colitis-accelerated colon carcinogenesis and its prevention with the combination of aspirin and curcumin: Transcriptomic analysis using RNA-seq. Biochemical Pharmacology, 2017, 135, 22-34.	4.4	32
64	Histone Methyltransferase Setd7 Regulates Nrf2 Signaling Pathway by Phenethyl Isothiocyanate and Ursolic Acid in Human Prostate Cancer Cells. Molecular Nutrition and Food Research, 2018, 62, e1700840.	3.3	32
65	UVB drives different stages of epigenome alterations during progression of skin cancer. Cancer Letters, 2019, 449, 20-30.	7.2	32
66	Curcumin Derivative Epigenetically Reactivates Nrf2 Antioxidative Stress Signaling in Mouse Prostate Cancer TRAMP C1 Cells. Chemical Research in Toxicology, 2018, 31, 88-96.	3.3	31
67	DACT2 Epigenetic Stimulator Exerts Dual Efficacy for Colorectal Cancer Prevention and Treatment. Pharmacological Research, 2018, 129, 318-328.	7.1	31
68	Epigenetic CpG Methylation of the Promoter and Reactivation of the Expression of GSTP1 by Astaxanthin in Human Prostate LNCaP Cells. AAPS Journal, 2017, 19, 421-430.	4.4	30
69	Corynoline Isolated from Corydalis bungeana Turcz. Exhibits Anti-Inflammatory Effects via Modulation of Nfr2 and MAPKs. Molecules, 2016, 21, 975.	3.8	27
70	Epigenetic blockade of neoplastic transformation by bromodomain and extra-terminal (BET) domain protein inhibitor JQ-1. Biochemical Pharmacology, 2016, 117, 35-45.	4.4	27
71	Dibenzoylmethane Protects Against CCl4-Induced Acute Liver Injury by Activating Nrf2 via JNK, AMPK, and Calcium Signaling. AAPS Journal, 2017, 19, 1703-1714.	4.4	27
72	Natural compound-derived epigenetic regulators targeting epigenetic readers, writers and erasers. Current Topics in Medicinal Chemistry, 2015, 16, 697-713.	2.1	27

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73	Reserpine Inhibit the JB6 P+ Cell Transformation Through Epigenetic Reactivation of Nrf2-Mediated Anti-oxidative Stress Pathway. AAPS Journal, 2016, 18, 659-669.	4.4	26
74	Redox signaling, mitochondrial metabolism, epigenetics and redox active phytochemicals. Free Radical Biology and Medicine, 2022, 179, 328-336.	2.9	26
75	Butyrate Drives Metabolic Rewiring and Epigenetic Reprogramming in Human Colon Cancer Cells. Molecular Nutrition and Food Research, 2022, 66, e2200028.	3.3	26
76	DNA methylome and transcriptome alterations and cancer prevention by triterpenoid ursolic acid in UVBâ€induced skin tumor in mice. Molecular Carcinogenesis, 2019, 58, 1738-1753.	2.7	24
77	Pelargonidin reduces the TPA induced transformation of mouse epidermal cells â€“potential involvement of Nrf2 promoter demethylation. Chemico-Biological Interactions, 2019, 309, 108701.	4.0	24
78	Resveratrol inhibits genistein-induced multi-drug resistance protein 2 (MRP2) expression in HepG2 cells. Archives of Biochemistry and Biophysics, 2011, 512, 160-166.	3.0	22
79	Inhibitory Effect of a Î³-Tocopherol-Rich Mixture of Tocopherols on the Formation and Growth of LNCaP Prostate Tumors in Immunodeficient Mice. Cancers, 2011, 3, 3762-3772.	3.7	22
80	Sophora flavescensContaining-QYJD Formula Activates Nrf2 Anti-Oxidant Response, Blocks Cellular Transformation and Protects Against DSS-Induced Colitis in Mouse Model. The American Journal of Chinese Medicine, 2018, 46, 1609-1623.	3.8	22
81	Epigenetic alterations in TRAMP mice: epigenome DNA methylation profiling using MeDIP-seq. Cell and Bioscience, 2018, 8, 3.	4.8	21
82	Pharmacokinetics and Pharmacodynamics of Curcumin in regulating antiâ€inflammatory and epigenetic gene expression. Biopharmaceutics and Drug Disposition, 2018, 39, 289-297.	1.9	21
83	KPT-9274, an Inhibitor of PAK4 and NAMPT, Leads to Downregulation of mTORC2 in Triple Negative Breast Cancer Cells. Chemical Research in Toxicology, 2020, 33, 482-491.	3.3	21
84	Genome-wide analysis of DNA methylation in UVB- and DMBA/TPA-induced mouse skin cancer models. Life Sciences, 2014, 113, 45-54.	4.3	20
85	CpG methyl-seq and RNA-seq epigenomic and transcriptomic studies on the preventive effects of Moringa isothiocyanate in mouse epidermal JB6 cells induced by the tumor promoter TPA. Journal of Nutritional Biochemistry, 2019, 68, 69-78.	4.2	20
86	Triterpenoid ursolic acid drives metabolic rewiring and epigenetic reprogramming in treatment/prevention of human prostate cancer. Molecular Carcinogenesis, 2022, 61, 111-121.	2.7	19
87	Epigenome and transcriptome study of moringa isothiocyanate in mouse kidney mesangial cells induced by high glucose, a potential model for diabetic-induced nephropathy. AAPS Journal, 2020, 22, 8.	4.4	18
88	DNA Methylome and Transcriptome Alterations in High Glucose-Induced Diabetic Nephropathy Cellular Model and Identification of Novel Targets for Treatment by Tanshinone IIA. Chemical Research in Toxicology, 2019, 32, 1977-1988.	3.3	17
89	Phytochemicals in Traditional Chinese Herbal Medicine: Cancer Prevention and Epigenetics Mechanisms. Current Pharmacology Reports, 2017, 3, 77-91.	3.0	16
90	PTEN deletion drives aberrations of DNA methylome and transcriptome in different stages of prostate cancer. FASEB Journal, 2020, 34, 1304-1318.	0.5	15

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91	Pharmacokinetics and pharmacodynamics of three oral formulations of curcumin in rats. Journal of Pharmacokinetics and Pharmacodynamics, 2020, 47, 131-144.	1.8	15
92	A Novel Triple Stage Ion Trap MS method validated for curcumin pharmacokinetics application: A comparison summary of the latest validated curcumin LC/MS methods. Journal of Pharmaceutical and Biomedical Analysis, 2018, 156, 116-124.	2.8	14
93	Epigenome, Transcriptome, and Protection by Sulforaphane at Different Stages of UVB-Induced Skin Carcinogenesis. Cancer Prevention Research, 2020, 13, 551-562.	1.5	14
94	Epigenetics/Epigenomics and Prevention of Early Stages of Cancer by Isothiocyanates. Cancer Prevention Research, 2021, 14, 151-164.	1.5	14
95	Epigenomic, Transcriptomic, and Protective Effect of Carotenoid Fucoxanthin in High Glucose-Induced Oxidative Stress in Mes13 Kidney Mesangial Cells. Chemical Research in Toxicology, 2021, 34, 713-722.	3.3	13
96	Targeting Epigenetics for Cancer Prevention By Dietary Cancer Preventive Compoundsâ€"The Case of miRNA. Cancer Prevention Research, 2013, 6, 622-624.	1.5	12
97	Analysis of the Transcriptome: Regulation of Cancer Stemness in Breast Ductal Carcinoma In Situ by Vitamin D Compounds. Cancer Prevention Research, 2020, 13, 673-686.	1.5	12
98	A semi-mechanistic integrated toxicokineticâ€"toxicodynamic (TK/TD) model for arsenic(III) in hepatocytes. Journal of Theoretical Biology, 2013, 317, 244-256.	1.7	11
99	Triterpenoid corosolic acid modulates global CpG methylation and transcriptome of tumor promotor TPA induced mouse epidermal JB6 P+ cells. Chemico-Biological Interactions, 2020, 321, 109025.	4.0	11
100	Tobacco carcinogen 4-[methyl(nitroso)amino]-1-(3-pyridinyl)-1-butanone (NNK) drives metabolic rewiring and epigenetic reprograming in A/J mice lung cancer model and prevention with diallyl sulphide (DAS). Carcinogenesis, 2022, 43, 140-149.	2.8	11
101	Emerging Roles for Clinical Pharmacometrics in Cancer Precision Medicine. Current Pharmacology Reports, 2018, 4, 276-283.	3.0	10
102	Epigenetic modifications but not genetic polymorphisms regulate KEAP1 expression in colorectal cancer. Journal of Cellular Biochemistry, 2019, 120, 12311-12320.	2.6	10
103	Transcriptomic Analysis of Histone Methyltransferase Setd7 Knockdown and Phenethyl Isothiocyanate in Human Prostate Cancer Cells. Anticancer Research, 2018, 38, 6069-6083.	1.1	8
104	DNA methylome, transcriptome, and prostate cancer prevention by phenethyl isothiocyanate in TRAMP mice. Molecular Carcinogenesis, 2021, 60, 391-402.	2.7	8
105	UVB Drives Metabolic Rewiring and Epigenetic Reprograming and Protection by Sulforaphane in Human Skin Keratinocytes. Chemical Research in Toxicology, 2022, 35, 1220-1233.	3.3	8
106	Nfe2l2 Regulates Metabolic Rewiring and Epigenetic Reprogramming in Mediating Cancer Protective Effect by Fucoxanthin. AAPS Journal, 2022, 24, 30.	4.4	7
107	Exploring the role of senescence inducers and senotherapeutics as targets for anticancer natural products. European Journal of Pharmacology, 2022, 928, 174991.	3.5	7
108	Hot Topic Commentary on COVID-19. Current Pharmacology Reports, 2020, 6, 53-55.	3.0	3

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109	Overview on Oxidative Stress, Inflammation, Cancer Initiation/Progression, and How to Prevent Carcinogenesis/Cancer. , 2013, , 3-20.		0