Albena T Dinkova-Kostova

List of Publications by Year
in descending order

164 papers	24,914 citations	10351 72 h-index	6979 154 g-index
171 all docs	171 docs citations	171 times ranked	26267 citing authors

#	Article	IF	Citations
1	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2. IScience, 2022, 25, 103703.	1.9	11
2	Pirin, an Nrf2-Regulated Protein, Is Overexpressed in Human Colorectal Tumors. Antioxidants, 2022, 11, 262.	2.2	8
3	Nrf2 activation reprograms macrophage intermediary metabolism and suppresses the type I interferon response. IScience, 2022, 25, 103827.	1.9	51
4	The synthetic triterpenoids CDDO-TFEA and CDDO-Me, but not CDDO, promote nuclear exclusion of BACH1 impairing its activity. Redox Biology, 2022, 51, 102291.	3.9	12
5	Detection of thermal shift in cellular Keap1 by protein-protein interaction inhibitors using immunoblot- and fluorescence microplate-based assays. STAR Protocols, 2022, 3, 101265.	0.5	6
6	Phenyl Bis-Sulfonamide Keap1-Nrf2 Proteinâ€“Protein Interaction Inhibitors with an Alternative Binding Mode. Journal of Medicinal Chemistry, 2022, 65, 7380-7398.	2.9	14
7	Nonalcoholic steatohepatitis and mechanisms by which it is ameliorated by activation of the CNC-bZIP transcription factor Nrf2. Free Radical Biology and Medicine, 2022, 188, 221-261.	1.3	24
8	NRF2 in dermatological disorders: Pharmacological activation for protection against cutaneous photodamage and photodermatosis. Free Radical Biology and Medicine, 2022, 188, 262-276.	1.3	16
9	Activation of transcription factor Nrf2 to counteract mitochondrial dysfunction in Parkinson's disease. Medicinal Research Reviews, 2021, 41, 785-802.	5.0	42
10	The stress-responsive kinase DYRK2 activates heat shock factor 1 promoting resistance to proteotoxic stress. Cell Death and Differentiation, 2021, 28, 1563-1578.	5.0	19
11	Application of the inÂvivo oxidative stress reporter Hmox1 as mechanistic biomarker of arsenic toxicity. Environmental Pollution, 2021, 270, 116053.	3.7	12
12	The isothiocyanate sulforaphane inhibits mTOR in an NRF2-independent manner. Phytomedicine, 2021, 86, 153062.	2.3	19
13	Nrf2 is activated by disruption of mitochondrial thiol homeostasis but not by enhanced mitochondrial superoxide production. Journal of Biological Chemistry, 2021, 296, 100169.	1.6	25
14	Studies on the mechanism of anti-inflammatory action of swietenine, a tetranortriterpenoid isolated from Swietenia macrophylla seeds. Phytomedicine Plus, 2021, 1, 100018.	0.9	11
15	Molecular basis for the disruption of Keap1â€“Nrf2 interaction via Hinge & Latch mechanism. Communications Biology, 2021, 4, 576.	2.0	84
16	Clinically relevant aberrant Filip1l DNA methylation detected in a murine model of cutaneous squamous cell carcinoma. EBioMedicine, 2021, 67, 103383.	2.7	4
17	Novel iodinated quinazolinones bearing sulfonamide as new scaffold targeting radiation induced oxidative stress. Bioorganic and Medicinal Chemistry Letters, 2021, 42, 128002.	1.0	6
18	The Cell-Permeable Derivative of the Immunoregulatory Metabolite Itaconate, 4-Octyl Itaconate, Is Anti-Fibrotic in Systemic Sclerosis. Cells, 2021, 10, 2053.	1.8	14

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19	Nrf2 activation does not affect adenoma development in a mouse model of colorectal cancer. Communications Biology, 2021, 4, 1081.	2.0	1
20	Assessment of ROS Production in the Mitochondria of Live Cells. Methods in Molecular Biology, 2021, 2202, 33-42.	0.4	12
21	High NRF2 Levels Correlate with Poor Prognosis in Colorectal Cancer Patients and with Sensitivity to the Kinase Inhibitor AT9283 In Vitro. Biomolecules, 2020, 10, 1365.	1.8	22
22	Sulfoxythiocarbamate S-4 inhibits HSP90 in human cutaneous squamous cell carcinoma cells. European Journal of Pharmacology, 2020, 889, 173609.	1.7	2
23	Isomeric O-methyl cannabidiolquinones with dual BACH1/NRF2 activity. Redox Biology, 2020, 37, 101689.	3.9	23
24	NRF2 and the Ambiguous Consequences of Its Activation during Initiation and the Subsequent Stages of Tumourigenesis. Cancers, 2020, 12, 3609.	1.7	44
25	Can Activation of NRF2 Be a Strategy against COVID-19?. Trends in Pharmacological Sciences, 2020, 41, 598-610.	4.0	161
26	KEAP1, a cysteine-based sensor and a drug target for the prevention and treatment of chronic disease. Open Biology, 2020, 10, 200105.	1.5	68
27	Downregulation of Keap1 Confers Features of a Fasted Metabolic State. IScience, 2020, 23, 101638.	1.9	21
28	Measuring Changes in Keap1â€Nrf2 Protein Complex Conformation in Individual Cells by FLIMâ€FRET. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2020, 85, e96.	1.1	2
29	Obesity and NRF2-mediated cytoprotection: Where is the missing link?. Pharmacological Research, 2020, 156, 104760.	3.1	68
30	Oxidative Stress in Cancer. Cancer Cell, 2020, 38, 167-197.	7.7	1,203
31	Editorial: Lignans: Insights Into Their Biosynthesis, Metabolic Engineering, Analytical Methods and Health Benefits. Frontiers in Plant Science, 2020, 11, 630327.	1.7	16
32	The Chemopreventive Power of Isothiocyanates. , 2020, , 271-318.		2
33	Radiomodulatory effect of a non-electrophilic NQO1 inducer identified in a screen of new 6, 8-diiodoquinazolin-4(3H)-ones carrying a sulfonamide moiety. European Journal of Medicinal Chemistry, 2020, 200, 112467.	2.6	10
34	Biomarker Exploration in Human Peripheral Blood Mononuclear Cells for Monitoring Sulforaphane Treatment Responses in Autism Spectrum Disorder. Scientific Reports, 2020, 10, 5822.	1.6	36
35	Broccoli or Sulforaphane: Is It the Source or Dose That Matters?. Molecules, 2019, 24, 3593.	1.7	196
36	Investigation into the use of histone deacetylase inhibitor MS-275 as a topical agent for the prevention and treatment of cutaneous squamous cell carcinoma in an SKH-1 hairless mouse model. PLoS ONE, 2019, 14, e0213095.	1.1	10

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37	Measuring the Interaction of Transcription Factor Nrf2 with Its Negative Regulator Keap1 in Single Live Cells by an Improved FRET/FLIM Analysis. Chemical Research in Toxicology, 2019, 32, 500-512.	1.7	8
38	Therapeutic targeting of the NRF2 and KEAP1 partnership in chronic diseases. Nature Reviews Drug Discovery, 2019, 18, 295-317.	21.5	849
39	Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. Nature Communications, 2018, 9, 53.	5.8	175
40	Experimental Nonalcoholic Steatohepatitis and Liver Fibrosis AreÂAmeliorated by Pharmacologic Activation of Nrf2 (NF-E2 p45-Related Factor 2). Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 367-398.	2.3	154
41	The role of Nrf2 signaling in counteracting neurodegenerative diseases. FEBS Journal, 2018, 285, 3576-3590.	2.2	220
42	Phenethyl Isothiocyanate, a Dual Activator of Transcription Factors NRF2 and HSF1. Molecular Nutrition and Food Research, 2018, 62, e1700908.	1.5	40
43	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. Nature, 2018, 556, 113-117.	13.7	1,115
44	KEAP1 inhibition is neuroprotective and suppresses the development of epilepsy. Brain, 2018, 141, 1390-1403.	3.7	99
45	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. Cell Reports, 2018, 25, 2044-2052.e5.	2.9	140
46	C151 in KEAP1 is the main cysteine sensor for the cyanoenone class of NRF2 activators, irrespective of molecular size or shape. Scientific Reports, 2018, 8, 8037.	1.6	58
47	Regulation of the mammalian heat shock factor 1. FEBS Journal, 2017, 284, 1606-1627.	2.2	127
48	KEAP1 and done? Targeting the NRF2 pathway with sulforaphane. Trends in Food Science and Technology, 2017, 69, 257-269.	7.8	196
49	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. FÃ¬toterapÃ¬Ã¢, 2017, 119, 115-120.	1.1	34
50	Pathogenic p62/SQSTM1 mutations impair energy metabolism through limitation of mitochondrial substrates. Scientific Reports, 2017, 7, 1666.	1.6	51
51	Activation of Nrf2 Signaling Augments Vesicular Stomatitis Virus Oncolysis via Autophagy-Driven Suppression of Antiviral Immunity. Molecular Therapy, 2017, 25, 1900-1916.	3.7	62
52	KEAP1-modifying small molecule reveals muted NRF2 signaling responses in neural stem cells from Huntington's disease patients. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4676-E4685.	3.3	119
53	Activation of Nrf2 signaling as a common treatment of neurodegenerative diseases. Neurodegenerative Disease Management, 2017, 7, 97-100.	1.2	14
54	Whole-Exome Sequencing Validates a Preclinical Mouse Model for the Prevention and Treatment of Cutaneous Squamous Cell Carcinoma. Cancer Prevention Research, 2017, 10, 67-75.	0.7	17

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55	Transcription factors NRF2 and HSF1 have opposing functions in autophagy. Scientific Reports, 2017, 7, 11023.	1.6	29
56	Oxidative stress management in the hair follicle: Could targeting NRF2 counter ageâ€related hair disorders and beyond?. BioEssays, 2017, 39, 1700029.	1.2	33
57	Oncogene-Stimulated Congestion at the KEAP1 Stress Signaling Hub Allows Bypass of NRF2 and Induction of NRF2-Target Genes that Promote Tumor Survival. Cancer Cell, 2017, 32, 539-541.	7.7	20
58	Oxidative stress and chronic inflammation in osteoarthritis: can NRF2 counteract these partners in crime?. Annals of the New York Academy of Sciences, 2017, 1401, 114-135.	1.8	166
59	Keap1, the cysteine-based mammalian intracellular sensor for electrophiles and oxidants. Archives of Biochemistry and Biophysics, 2017, 617, 84-93.	1.4	232
60	NRF2 as an Emerging Therapeutic Target. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	35
61	Epigenetic Control of NRF2-Directed Cellular Antioxidant Status in Dictating Life-Death Decisions. Molecular Cell, 2017, 68, 5-7.	4.5	26
62	NAD(P)H:quinone oxidoreductase 1 inducer activity of some novel anilinoquinazoline derivatives. Drug Design, Development and Therapy, 2016, Volume 10, 2515-2524.	2.0	5
63	Loss of Nrf2 abrogates the protective effect of Keap1 downregulation in a preclinical model of cutaneous squamous cell carcinoma. Scientific Reports, 2016, 6, 25804.	1.6	28
64	Synthesis, molecular modeling and NAD(P)H:quinone oxidoreductase 1 inducer activity of novel 2-phenylquinazolin-4-amine derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1612-1618.	2.5	4
65	Synthesis and biological evaluation of novel 2-phenylquinazoline-4-amine derivatives: identification of 6-phenyl-8H-benzo[g]quinazolino[4,3-b]quinazolin-8-one as a highly potent inducer of NAD(P)H quinone oxidoreductase 1. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 34-39.	2.5	4
66	Potency of extracts from selected Egyptian plants as inducers of the Nrf2-dependent chemopreventive enzyme NQO1. Journal of Natural Medicines, 2016, 70, 683-688.	1.1	9
67	Heat Shock Factor 1 Is a Substrate for p38 Mitogen-Activated Protein Kinases. Molecular and Cellular Biology, 2016, 36, 2403-2417.	1.1	61
68	Electron affinity of tricyclic, bicyclic, and monocyclic compounds containing cyanoenones correlates with their potency as inducers of a cytoprotective enzyme. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4345-4349.	1.0	2
69	SIRT2- and NRF2-Targeting Thiazole-Containing Compound with Therapeutic Activity in Huntington's Disease Models. Cell Chemical Biology, 2016, 23, 849-861.	2.5	71
70	Nrf2-Mediated Neuroprotection Against Recurrent Hypoglycemia Is Insufficient to Prevent Cognitive Impairment in a Rodent Model of Type 1 Diabetes. Diabetes, 2016, 65, 3151-3160.	0.3	34
71	The multifaceted role of Nrf2 in mitochondrial function. Current Opinion in Toxicology, 2016, 1, 80-91.	2.6	275
72	Regulation of the CNC-bZIP transcription factor Nrf2 by Keap1 and the axis between GSK-3 and Î²-TrCP. Current Opinion in Toxicology, 2016, 1, 92-103.	2.6	14

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73	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 andÂinduces Nrf2-dependent gene expression in RAW264.7 andÂHepa1c1c7 cells. Chemico-Biological Interactions, 2016, 260, 58-66.	1.7	12
74	Filaggrin genotype does not determine the skin's threshold to UV-induced erythema. Journal of Allergy and Clinical Immunology, 2016, 137, 1280-1282.e3.	1.5	6
75	Nrf2 activation in the treatment of neurodegenerative diseases: a focus on its role in mitochondrial bioenergetics and function. Biological Chemistry, 2016, 397, 383-400.	1.2	128
76	Rhodiola rosea L.: from golden root to green cell factories. Phytochemistry Reviews, 2016, 15, 515-536.	3.1	35
77	NAD(P)H: quinone oxidoreductase 1 inducer activity of novel 4-aminoquinazoline derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1369-1374.	2.5	3
78	The spatiotemporal regulation of the Keap1â€“Nrf2 pathway and its importance in cellular bioenergetics. Biochemical Society Transactions, 2015, 43, 602-610.	1.6	69
79	Dual regulation of transcription factor Nrf2 by Keap1 and by the combined actions of Î²-TrCP and GSK-3. Biochemical Society Transactions, 2015, 43, 611-620.	1.6	143
80	New Monocyclic, Bicyclic, and Tricyclic Ethynylcyanodienones as Activators of the Keap1/Nrf2/ARE Pathway and Inhibitors of Inducible Nitric Oxide Synthase. Journal of Medicinal Chemistry, 2015, 58, 4738-4748.	2.9	26
81	Nrf2 Activation Protects against Solar-Simulated Ultraviolet Radiation in Mice and Humans. Cancer Prevention Research, 2015, 8, 475-486.	0.7	94
82	Mechanisms of activation of the transcription factor Nrf2 by redox stressors, nutrient cues, and energy status and the pathways through which it attenuates degenerative disease. Free Radical Biology and Medicine, 2015, 88, 108-146.	1.3	661
83	The emerging role of Nrf2 in mitochondrial function. Free Radical Biology and Medicine, 2015, 88, 179-188.	1.3	696
84	Design, Synthesis, and Evaluation of Triazole Derivatives That Induce Nrf2 Dependent Gene Products and Inhibit the Keap1â€“Nrf2 Proteinâ€“Protein Interaction. Journal of Medicinal Chemistry, 2015, 58, 7186-7194.	2.9	109
85	Pharmacokinetics and pharmacodynamics of orally administered acetylenic tricyclic bis (cyanoenone), a highly potent Nrf2 activator with a reversible covalent mode of action. Biochemical and Biophysical Research Communications, 2015, 465, 402-407.	1.0	21
86	Transcription factors Hsf1 and Nrf2 engage in crosstalk for cytoprotection. Trends in Pharmacological Sciences, 2015, 36, 6-14.	4.0	108
87	Nrf2 regulates ROS production by mitochondria and NADPH oxidase. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 794-801.	1.1	444
88	Novel Thioureido Derivatives Carrying Thione and Sulfonamide Moieties Induce the Cytoprotective Enzyme NAD(P)H:Quinone Oxidoreductase 1. Asian Journal of Chemistry, 2014, 26, 8501-8504.	0.1	2
89	Susceptibility of Nrf2-Null Mice to Steatohepatitis and Cirrhosis upon Consumption of a High-Fat Diet Is Associated with Oxidative Stress, Perturbation of the Unfolded Protein Response, and Disturbance in the Expression of Metabolic Enzymes but Not with Insulin Resistance. Molecular and Cellular Biology, 2014, 34, 3305-3320.	1.1	187
90	Synthesis of13C215N2-labeled anti-inflammatory and cytoprotective tricyclicbis(cyanoenone) ([13C215N2]-TBE-31) as an internal standard for quantification by stable isotope dilution LC-MS method. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 606-610.	0.5	2

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91	Chemical Tuning Enhances Both Potency Toward Nrf2 and In Vitro Therapeutic Index of Triterpenoids. Toxicological Sciences, 2014, 140, 462-469.	1.4	21
92	Monitoring Keap1â€“Nrf2 interactions in single live cells. Biotechnology Advances, 2014, 32, 1133-1144.	6.0	122
93	The Nrf2 regulatory network provides an interface between redox and intermediary metabolism. Trends in Biochemical Sciences, 2014, 39, 199-218.	3.7	1,591
94	Nrf2 affects the efficiency of mitochondrial fatty acid oxidation. Biochemical Journal, 2014, 457, 415-424.	1.7	192
95	Synthesis, molecular modeling and NAD(P)H:quinone oxidoreductase 1 inducer activity of novel cyanoenone and enone benzenesulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 840-845.	2.5	6
96	Synthesis and biological evaluation of biotin conjugates of (Â±)-(4bS,8aR,10aS)-10a-ethynyl-4b,8,8-trimethyl-3,7-dioxo-3,4b,7,8,8a,9,10,10a-octahydro-phenanthrene-2,6-dicarbonitrile, an activator of the Keap1/Nrf2/ARE pathway, for the isolation of its protein targets. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5540-5543.	1.0	4
97	Diffusion dynamics of the Keap1â€“Cullin3 interaction in single live cells. Biochemical and Biophysical Research Communications, 2013, 433, 58-65.	1.0	47
98	NAD(P)H : Quinone Oxidoreductase 1 Inducer Activity of Some Saudi Arabian Medicinal Plants. Planta Medica, 2013, 79, 459-464.	0.7	12
99	Nrf2 impacts cellular bioenergetics by controlling substrate availability for mitochondrial respiration. Biology Open, 2013, 2, 761-770.	0.6	346
100	Regulatory flexibility in the Nrf2-mediated stress response is conferred by conformational cycling of the Keap1-Nrf2 protein complex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15259-15264.	3.3	301
101	Sulfhydryl-Reactive Phytochemicals as Dual Activators of Transcription Factors NRF2 and HSF1. , 2013, , 95-119.		2
102	The indirect antioxidant sulforaphane protects against thiopurine-mediated photooxidative stress. Carcinogenesis, 2012, 33, 2457-2466.	1.3	39
103	Chemoprotection Against Cancer by Isothiocyanates: A Focus on the Animal Models and the Protective Mechanisms. Topics in Current Chemistry, 2012, 329, 179-201.	4.0	49
104	Neuroprotective Effects of Sulforaphane after Contusive Spinal Cord Injury. Journal of Neurotrauma, 2012, 29, 2576-2586.	1.7	66
105	The Role of Sulfhydryl Reactivity of Small Molecules for the Activation of the KEAP1/NRF2 Pathway and the Heat Shock Response. Scientifica, 2012, 2012, 1-19.	0.6	24
106	Highly Potent Activation of Nrf2 by Topical Tricyclic Bis(Cyano Enone): Implications for Protection against UV Radiation during Thiopurine Therapy. Cancer Prevention Research, 2012, 5, 973-981.	0.7	32
107	Glucosinolates and isothiocyanates in health and disease. Trends in Molecular Medicine, 2012, 18, 337-347.	3.5	493
108	Cellular stress responses, hormetic phytochemicals and vitagenes in aging and longevity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 753-783.	1.8	351

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109	Synthesis, Chemical Reactivity as Michael Acceptors, and Biological Potency of Monocyclic Cyanoenones, Novel and Highly Potent Anti-inflammatory and Cytoprotective Agents. Journal of Medicinal Chemistry, 2012, 55, 4837-4846.	2.9	53
110	Induction of the Keap1/Nrf2/ARE pathway by oxidizable diphenols. Chemico-Biological Interactions, 2011, 192, 101-106.	1.7	63
111	HSF1-Dependent Upregulation of Hsp70 by Sulfhydryl-Reactive Inducers of the KEAP1/NRF2/ARE Pathway. Chemistry and Biology, 2011, 18, 1355-1361.	6.2	96
112	The cytoprotective role of the Keap1â€“Nrf2 pathway. Archives of Toxicology, 2011, 85, 241-272.	1.9	830
113	Synthesis and biological evaluation of 1-[2-cyano-3,12-dioxooleana-1,9(11)-dien-28-oyl]-4-ethynylimidazole. A novel and highly potent anti-inflammatory and cytoprotective agent. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2188-2191.	1.0	18
114	Oral Azathioprine Leads to Higher Incorporation of 6-Thioguanine in DNA of Skin than Liver: The Protective Role of the Keap1/Nrf2/ARE Pathway. Cancer Prevention Research, 2011, 4, 1665-1674.	0.7	21
115	Cellular Stress Responses, The Hormesis Paradigm, and Vitagenes: Novel Targets for Therapeutic Intervention in Neurodegenerative Disorders. Antioxidants and Redox Signaling, 2010, 13, 1763-1811.	2.5	649
116	Cancer Chemoprevention Mechanisms Mediated Through the Keap1â€“Nrf2 Pathway. Antioxidants and Redox Signaling, 2010, 13, 1713-1748.	2.5	476
117	Potency ranking of triterpenoids as inducers of a cytoprotective enzyme and as inhibitors of a cellular inflammatory response via their electron affinity and their electrophilicity index. Chemico-Biological Interactions, 2010, 186, 118-126.	1.7	10
118	Loss of Nrf2 markedly exacerbates nonalcoholic steatohepatitis. Free Radical Biology and Medicine, 2010, 48, 357-371.	1.3	227
119	Activation of the NRF2 Signaling Pathway by Copper-Mediated Redox Cycling of Para- and Ortho-Hydroquinones. Chemistry and Biology, 2010, 17, 75-85.	6.2	94
120	An Exceptionally Potent Inducer of Cytoprotective Enzymes. Journal of Biological Chemistry, 2010, 285, 33747-33755.	1.6	98
121	Electrophilic tuning of the chemoprotective natural product sulforaphane. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9590-9595.	3.3	147
122	NAD(P)H:quinone acceptor oxidoreductase 1 (NQO1), a multifunctional antioxidant enzyme and exceptionally versatile cytoprotector. Archives of Biochemistry and Biophysics, 2010, 501, 116-123.	1.4	579
123	Dietary glucoraphanin-rich broccoli sprout extracts protect against UV radiation-induced skin carcinogenesis in SKH-1 hairless mice. Photochemical and Photobiological Sciences, 2010, 9, 597-600.	1.6	37
124	Cross-talk between Transcription Factors AhR and Nrf2: Lessons for Cancer Chemoprevention from Dioxin. Toxicological Sciences, 2009, 111, 199-201.	1.4	90
125	Precise determination of the erythema response of human skin to ultraviolet radiation and quantification of effects of protectors. Photodermatology Photoimmunology and Photomedicine, 2009, 25, 45-50.	0.7	15
126	Vitagenes, cellular stress response, and acetylcarnitine: Relevance to hormesis. BioFactors, 2009, 35, 146-160.	2.6	118

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127	Nitric Oxide in Cell Survival: A Janus Molecule. Antioxidants and Redox Signaling, 2009, 11, 2717-2739.	2.5	184
128	Direct and indirect antioxidant properties of inducers of cytoprotective proteins. Molecular Nutrition and Food Research, 2008, 52 Suppl 1, S128-38.	1.5	267
129	Curcumin and the cellular stress response in free radicalâ€related diseases. Molecular Nutrition and Food Research, 2008, 52, 1062-1073.	1.5	138
130	Rapid body weight gain increases the risk of UV radiationâ€“induced skin carcinogenesis in SKH-1 hairless mice. Nutrition Research, 2008, 28, 539-543.	1.3	10
131	A dicyanotriterpenoid induces cytoprotective enzymes and reduces multiplicity of skin tumors in UV-irradiated mice. Biochemical and Biophysical Research Communications, 2008, 367, 859-865.	1.0	16
132	Coordinate regulation of enzyme markers for inflammation and for protection against oxidants and electrophiles. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15926-15931.	3.3	109
133	Two-Step Mechanism of Induction of the Gene Expression of a Prototypic Cancer-Protective Enzyme by Diphenols. Chemical Research in Toxicology, 2008, 21, 805-812.	1.7	48
134	Practical Approaches to Investigate Redox Regulation of Heat Shock Protein Expression and Intracellular Glutathione Redox State. Methods in Enzymology, 2008, 441, 83-110.	0.4	34
135	A Novel Acetylenic Tricyclic bis-(Cyano Enone) Potently Induces Phase 2 Cytoprotective Pathways and Blocks Liver Carcinogenesis Induced by Aflatoxin. Cancer Research, 2008, 68, 6727-6733.	0.4	49
136	Phytochemicals as Protectors Against Ultraviolet Radiation: Versatility of Effects and Mechanisms. Planta Medica, 2008, 74, 1548-1559.	0.7	120
137	The Isothiocyanate Sulforaphane Induces the Phase 2 Response by Signaling of the Keap1â€“Nrf2â€“ARE Pathway. Oxidative Stress and Disease, 2008, , .	0.3	2
138	Reprogramming of keratin biosynthesis by sulforaphane restores skin integrity in epidermolysis bullosa simplex. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14460-14465.	3.3	86
139	Preclinical and clinical evaluation of sulforaphane for chemoprevention in the breast. Carcinogenesis, 2007, 28, 1485-1490.	1.3	283
140	Induction of the Phase 2 Response in Mouse and Human Skin by Sulforaphane-containing Broccoli Sprout Extracts. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 847-851.	1.1	149
141	Bis(2-hydroxybenzylidene)acetone, a potent inducer of the phase 2 response, causes apoptosis in mouse leukemia cells through a p53-independent, caspase-mediated pathway. Cancer Letters, 2007, 245, 341-349.	3.2	23
142	Sulforaphane mobilizes cellular defenses that protect skin against damage by UV radiation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17500-17505.	3.3	179
143	Novel semisynthetic analogues of betulinic acid with diverse cytoprotective, antiproliferative, and proapoptotic activities. Molecular Cancer Therapeutics, 2007, 6, 2113-2119.	1.9	55
144	Chemoprotection against cancer: an idea whose time has come. Alternative Therapies in Health and Medicine, 2007, 13, S122-7.	0.0	4

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145	Safety, Tolerance, and Metabolism of Broccoli Sprout Glucosinolates and Isothiocyanates: A Clinical Phase I Study. Nutrition and Cancer, 2006, 55, 53-62.	0.9	291
146	Protection against UV-light-induced skin carcinogenesis in SKH-1 high-risk mice by sulforaphane-containing broccoli sprout extracts. Cancer Letters, 2006, 240, 243-252.	3.2	199
147	Chlorophyll, chlorophyllin and related tetrapyrroles are significant inducers of mammalian phase 2 cytoprotective genes. Carcinogenesis, 2005, 26, 1247-1255.	1.3	99
148	Extremely potent triterpenoid inducers of the phase 2 response: Correlations of protection against oxidant and inflammatory stress. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4584-4589.	3.3	506
149	The Role of Keap1 in Cellular Protective Responses. Chemical Research in Toxicology, 2005, 18, 1779-1791.	1.7	345
150	Keap1, the Sensor for Electrophiles and Oxidants that Regulates the Phase 2 Response, Is a Zinc Metalloproteinâ€. Biochemistry, 2005, 44, 6889-6899.	1.2	197
151	Role of Nicotinamide Quinone Oxidoreductase 1 (NQO1) in Protection against Toxicity of Electrophiles and Reactive Oxygen Intermediates. Methods in Enzymology, 2004, 382, 355-364.	0.4	77
152	Protection against electrophile and oxidant stress by induction of the phase 2 response: Fate of cysteines of the Keap1 sensor modified by inducers. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2040-2045.	3.3	895
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