Albena T Dinkova-Kostova

List of Publications by Year in Descending Order

159 papers	18,557 citations	67 h-index	136 g-index
171 ext. papers	21,837 ext. citations	6.9 avg, IF	7.29 L-index

#	Paper	IF	Citations
159	Nrf2 activation reprograms macrophage intermediary metabolism and suppresses the type I interferon response.. *IScience*, **2022**, 25, 103827	6.1	4
158	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2.. *IScience*, **2022**, 25, 103703	6.1	3
157	The synthetic triterpenoids CDDO-TFEA and CDDO-Me, but not CDDO, promote nuclear exclusion of BACH1 impairing its activity.. *Redox Biology*, **2022**, 51, 102291	11.3	0
156	Detection of thermal shift in cellular Keap1 by protein-protein interaction inhibitors using immunoblot- and fluorescence microplate-based assays.. *STAR Protocols*, **2022**, 3, 101265	1.4	0
155	Assessment of ROS Production in the Mitochondria of Live Cells. *Methods in Molecular Biology*, **2021**, 2202, 33-42	1.4	3
154	Molecular basis for the disruption of Keap1-Nrf2 interaction via Hinge & Latch mechanism. *Communications Biology*, **2021**, 4, 576	6.7	17
153	Clinically relevant aberrant Filip1l DNA methylation detected in a murine model of cutaneous squamous cell carcinoma. *EBioMedicine*, **2021**, 67, 103383	8.8	1
152	Novel iodinated quinazolinones bearing sulfonamide as new scaffold targeting radiation induced oxidative stress. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 42, 128002	2.9	4
151	Activation of transcription factor Nrf2 to counteract mitochondrial dysfunction in Parkinson disease. *Medicinal Research Reviews*, **2021**, 41, 785-802	14.4	17
150	The stress-responsive kinase DYRK2 activates heat shock factor 1 promoting resistance to proteotoxic stress. *Cell Death and Differentiation*, **2021**, 28, 1563-1578	12.7	5
149	Application of the in vivo oxidative stress reporter Hmox1 as mechanistic biomarker of arsenic toxicity. *Environmental Pollution*, **2021**, 270, 116053	9.3	1
148	The isothiocyanate sulforaphane inhibits mTOR in an NRF2-independent manner. *Phytomedicine*, **2021**, 86, 153062	6.5	12
147	Nrf2 is activated by disruption of mitochondrial thiol homeostasis but not by enhanced mitochondrial superoxide production. *Journal of Biological Chemistry*, **2021**, 296, 100169	5.4	9
146	Studies on the mechanism of anti-inflammatory action of swietenine, a tetranortriterpenoid isolated from Swietenia macrophylla seeds. *Phytomedicine Plus*, **2021**, 1, 100018		5
145	The Cell-Permeable Derivative of the Immunoregulatory Metabolite Itaconate, 4-Octyl Itaconate, Is Anti-Fibrotic in Systemic Sclerosis. *Cells*, **2021**, 10,	7.9	5
144	Nrf2 activation does not affect adenoma development in a mouse model of colorectal cancer. *Communications Biology*, **2021**, 4, 1081	6.7	0
143	Obesity and NRF2-mediated cytoprotection: Where is the missing link?. *Pharmacological Research*, **2020**, 156, 104760	10.2	39

142	Oxidative Stress in Cancer. *Cancer Cell*, **2020**, 38, 167-197	24.3	402
141	The Chemopreventive Power of Isothiocyanates **2020**, 271-318		2
140	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	6.8	6
139	Biomarker Exploration in Human Peripheral Blood Mononuclear Cells for Monitoring Sulforaphane Treatment Responses in Autism Spectrum Disorder. *Scientific Reports*, **2020**, 10, 5822	4.9	25
138	High NRF2 Levels Correlate with Poor Prognosis in Colorectal Cancer Patients and with Sensitivity to the Kinase Inhibitor AT9283 In Vitro. *Biomolecules*, **2020**, 10,	5.9	12
137	Sulfoxythiocarbamate S-4 inhibits HSP90 in human cutaneous squamous cell carcinoma cells. *European Journal of Pharmacology*, **2020**, 889, 173609	5.3	1
136	Isomeric O-methyl cannabidiolquinones with dual BACH1/NRF2 activity. *Redox Biology*, **2020**, 37, 101689	11.3	9
135	NRF2 and the Ambiguous Consequences of Its Activation during Initiation and the Subsequent Stages of Tumourigenesis. *Cancers*, **2020**, 12,	6.6	20
134	Can Activation of NRF2 Be a Strategy against COVID-19?. *Trends in Pharmacological Sciences*, **2020**, 41, 598-610	13.2	90
133	KEAP1, a cysteine-based sensor and a drug target for the prevention and treatment of chronic disease. *Open Biology*, **2020**, 10, 200105	7	31
132	Downregulation of Keap1 Confers Features of a Fasted Metabolic State. *IScience*, **2020**, 23, 101638	6.1	8
131	Measuring Changes in Keap1-Nrf2 Protein Complex Conformation in Individual Cells by FLIM-FRET. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2020**, 85, e96	1	1
130	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	3.7	7
129	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	4	6
128	Broccoli or Sulforaphane: Is It the Source or Dose That Matters?. *Molecules*, **2019**, 24,	4.8	103
127	Therapeutic targeting of the NRF2 and KEAP1 partnership in chronic diseases. *Nature Reviews Drug Discovery*, **2019**, 18, 295-317	64.1	476
126	Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. *Nature Communications*, **2018**, 9, 53	17.4	116
125	Experimental Nonalcoholic Steatohepatitis and Liver Fibrosis Are Ameliorated by Pharmacologic Activation of Nrf2 (NF-E2 p45-Related Factor 2). *Cellular and Molecular Gastroenterology and Hepatology*, **2018**, 5, 367-398	7.9	101

124	The role of Nrf2 signaling in counteracting neurodegenerative diseases. *FEBS Journal*, **2018**, 285, 3576-3590	5.7	137
123	Phenethyl Isothiocyanate, a Dual Activator of Transcription Factors NRF2 and HSF1. *Molecular Nutrition and Food Research*, **2018**, 62, e1700908	5.9	24
122	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. *Nature*, **2018**, 556, 113-117	50.4	609
121	KEAP1 inhibition is neuroprotective and suppresses the development of epilepsy. *Brain*, **2018**, 141, 1390-1403	11.2	58
120	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. *Cell Reports*, **2018**, 25, 2044-2052.e5	10.6	84
119	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	4.9	33
118	Regulation of the mammalian heat shock factor 1. *FEBS Journal*, **2017**, 284, 1606-1627	5.7	86
117	KEAP1 and Done? Targeting the NRF2 Pathway with Sulforaphane. *Trends in Food Science and Technology*, **2017**, 69, 257-269	15.3	128
116	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. *Fitoterapia*, **2017**, 119, 115-120	3.2	24
115	Pathogenic p62/SQSTM1 mutations impair energy metabolism through limitation of mitochondrial substrates. *Scientific Reports*, **2017**, 7, 1666	4.9	43
114	Activation of Nrf2 Signaling Augments Vesicular Stomatitis Virus Oncolysis via Autophagy-Driven Suppression of Antiviral Immunity. *Molecular Therapy*, **2017**, 25, 1900-1916	11.7	48
113	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	11.5	65
112	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	3.2	13
111	Transcription factors NRF2 and HSF1 have opposing functions in autophagy. *Scientific Reports*, **2017**, 7, 11023	4.9	26
110	Oxidative stress management in the hair follicle: Could targeting NRF2 counter age-related hair disorders and beyond?. *BioEssays*, **2017**, 39, 1700029	4.1	20
109	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	24.3	14
108	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	6.5	90
107	Keap1, the cysteine-based mammalian intracellular sensor for electrophiles and oxidants. *Archives of Biochemistry and Biophysics*, **2017**, 617, 84-93	4.1	151

106	Epigenetic Control of NRF2-Directed Cellular Antioxidant Status in Dictating Life-Death Decisions. *Molecular Cell*, **2017**, 68, 5-7	17.6	14
105	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, 4345-9	2.9	2
104	SIRT2- and NRF2-Targeting Thiazole-Containing Compound with Therapeutic Activity in Huntington Disease Models. *Cell Chemical Biology*, **2016**, 23, 849-861	8.2	54
103	Nrf2-Mediated Neuroprotection Against Recurrent Hypoglycemia Is Insufficient to Prevent Cognitive Impairment in a Rodent Model of Type 1 Diabetes. *Diabetes*, **2016**, 65, 3151-60	0.9	24
102	The multifaceted role of Nrf2 in mitochondrial function. *Current Opinion in Toxicology*, **2016**, 1, 80-91	4.4	198
101	Regulation of the CNC-bZIP transcription factor Nrf2 by Keap1 and the axis between GSK-3 and TrCP. *Current Opinion in Toxicology*, **2016**, 1, 92-103	4.4	12
100	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 and induces Nrf2-dependent gene expression in RAW264.7 and Hepa1c1c7 cells. *Chemico-Biological Interactions*, **2016**, 260, 58-66	5	10
99	Filaggrin genotype does not determine the skin threshold to UV-induced erythema. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1280-1282.e3	11.5	6
98	Nrf2 activation in the treatment of neurodegenerative diseases: a focus on its role in mitochondrial bioenergetics and function. *Biological Chemistry*, **2016**, 397, 383-400	4.5	89
97	Rhodiola rosea L.: from golden root to green cell factories. *Phytochemistry Reviews*, **2016**, 15, 515-536	7.7	25
96	NAD(P)H: quinone oxidoreductase 1 inducer activity of novel 4-aminoquinazoline derivatives. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2016**, 31, 1369-74	5.6	3
95	NAD(P)H:quinone oxidoreductase 1 inducer activity of some novel anilinoquinazoline derivatives. *Drug Design, Development and Therapy*, **2016**, 10, 2515-24	4.4	5
94	Loss of Nrf2 abrogates the protective effect of Keap1 downregulation in a preclinical model of cutaneous squamous cell carcinoma. *Scientific Reports*, **2016**, 6, 25804	4.9	23
93	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, 1612-8	5.6	4
92	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	5.6	4
91	Potency of extracts from selected Egyptian plants as inducers of the Nrf2-dependent chemopreventive enzyme NQO1. *Journal of Natural Medicines*, **2016**, 70, 683-8	3.3	8
90	Heat Shock Factor 1 Is a Substrate for p38 Mitogen-Activated Protein Kinases. *Molecular and Cellular Biology*, **2016**, 36, 2403-17	4.8	44
89	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	7.8	483

88	The emerging role of Nrf2 in mitochondrial function. *Free Radical Biology and Medicine*, **2015**, 88, 179-188	7.8	493
87	Design, Synthesis, and Evaluation of Triazole Derivatives That Induce Nrf2 Dependent Gene Products and Inhibit the Keap1-Nrf2 Protein-Protein Interaction. *Journal of Medicinal Chemistry*, **2015**, 58, 7186-94	8.3	86
86	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, 402-7	3.4	16
85	Transcription factors Hsf1 and Nrf2 engage in crosstalk for cytoprotection. *Trends in Pharmacological Sciences*, **2015**, 36, 6-14	13.2	82
84	Nrf2 regulates ROS production by mitochondria and NADPH oxidase. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 794-801	4	319
83	The spatiotemporal regulation of the Keap1-Nrf2 pathway and its importance in cellular bioenergetics. *Biochemical Society Transactions*, **2015**, 43, 602-10	5.1	58
82	Dual regulation of transcription factor Nrf2 by Keap1 and by the combined actions of β-TrCP and GSK-3. *Biochemical Society Transactions*, **2015**, 43, 611-20	5.1	104
81	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, 4738-48	8.3	26
80	Nrf2 Activation Protects against Solar-Simulated Ultraviolet Radiation in Mice and Humans. *Cancer Prevention Research*, **2015**, 8, 475-86	3.2	71
79	Monitoring Keap1-Nrf2 interactions in single live cells. *Biotechnology Advances*, **2014**, 32, 1133-44	17.8	92
78	The Nrf2 regulatory network provides an interface between redox and intermediary metabolism. *Trends in Biochemical Sciences*, **2014**, 39, 199-218	10.3	1157
77	Nrf2 affects the efficiency of mitochondrial fatty acid oxidation. *Biochemical Journal*, **2014**, 457, 415-24	3.8	148
76	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, 840-5	5.6	6
75	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	0.4	2
74	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, 3305-20	4.8	141
73	Synthesis of (13) C2 (15) N2 -labeled anti-inflammatory and cytoprotective tricyclic bis(cyanoenone) ([(13) C2 (15) N2]-TBE-31) as an internal standard for quantification by stable isotope dilution LC-MS method. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2014**, 57, 606-10	1.9	2
72	Chemical tuning enhances both potency toward nrf2 and in vitro therapeutic index of triterpenoids. *Toxicological Sciences*, **2014**, 140, 462-9	4.4	17
71	Synthesis and biological evaluation of biotin conjugates of (±)-(4bS,8aR,10aS)-10a-ethynyl-4b,8,8-trimethyl-3,7-dioxo-3,4b,7,8,8a,9,10,10a-octahydro-phenanthrene-2,6-dicarbonitri an activator of the Keap1/Nrf2/ARE pathway, for the isolation of its protein targets. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 5540-3	2.6	2

70	Diffusion dynamics of the Keap1-Cullin3 interaction in single live cells. *Biochemical and Biophysical Research Communications*, **2013**, 433, 58-65	3.4	39
69	NAD(P)H : quinone oxidoreductase 1 inducer activity of some Saudi Arabian medicinal plants. *Planta Medica*, **2013**, 79, 459-64	3.1	10
68	Nrf2 impacts cellular bioenergetics by controlling substrate availability for mitochondrial respiration. *Biology Open*, **2013**, 2, 761-70	2.2	266
67	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, 15259-64	11.5	228
66	Chemoprotection against cancer by isothiocyanates: a focus on the animal models and the protective mechanisms. *Topics in Current Chemistry*, **2013**, 329, 179-201		42
65	Sulfhydryl-Reactive Phytochemicals as Dual Activators of Transcription Factors NRF2 and HSF1 **2013**, 95-119		1
64	Glucosinolates and isothiocyanates in health and disease. *Trends in Molecular Medicine*, **2012**, 18, 337-47	11.5	410
63	Cellular stress responses, hormetic phytochemicals and vitagenes in aging and longevity. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2012**, 1822, 753-83	6.9	286
62	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, 4837-46	8.3	47
61	The indirect antioxidant sulforaphane protects against thiopurine-mediated photooxidative stress. *Carcinogenesis*, **2012**, 33, 2457-66	4.6	34
60	Neuroprotective effects of sulforaphane after contusive spinal cord injury. *Journal of Neurotrauma*, **2012**, 29, 2576-86	5.4	53
59	The Role of Sulfhydryl Reactivity of Small Molecules for the Activation of the KEAP1/NRF2 Pathway and the Heat Shock Response. *Scientifica*, **2012**, 2012, 606104	2.6	20
58	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, 973-81	3.2	29
57	Induction of the Keap1/Nrf2/ARE pathway by oxidizable diphenols. *Chemico-Biological Interactions*, **2011**, 192, 101-6	5	58
56	HSF1-dependent upregulation of Hsp70 by sulfhydryl-reactive inducers of the KEAP1/NRF2/ARE pathway. *Chemistry and Biology*, **2011**, 18, 1355-61		78
55	The cytoprotective role of the Keap1-Nrf2 pathway. *Archives of Toxicology*, **2011**, 85, 241-72	5.8	687
54	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, 2188-91	2.9	15
53	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, 1665-74	3.2	14

52	An exceptionally potent inducer of cytoprotective enzymes: elucidation of the structural features that determine inducer potency and reactivity with Keap1. *Journal of Biological Chemistry*, **2010**, 285, 33747-55	5.4	90
51	Electrophilic tuning of the chemoprotective natural product sulforaphane. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 9590-5	11.5	133
50	NAD(P)H:quinone acceptor oxidoreductase 1 (NQO1), a multifunctional antioxidant enzyme and exceptionally versatile cytoprotector. *Archives of Biochemistry and Biophysics*, **2010**, 501, 116-23	4.1	481
49	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	4.2	33
48	Cellular stress responses, the hormesis paradigm, and vitagenes: novel targets for therapeutic intervention in neurodegenerative disorders. *Antioxidants and Redox Signaling*, **2010**, 13, 1763-811	8.4	434
47	Cancer chemoprevention mechanisms mediated through the Keap1-Nrf2 pathway. *Antioxidants and Redox Signaling*, **2010**, 13, 1713-48	8.4	413
46	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, 118-26	5	10
45	Loss of Nrf2 markedly exacerbates nonalcoholic steatohepatitis. *Free Radical Biology and Medicine*, **2010**, 48, 357-71	7.8	190
44	Activation of the NRF2 signaling pathway by copper-mediated redox cycling of para- and ortho-hydroquinones. *Chemistry and Biology*, **2010**, 17, 75-85		84
43	Cross-talk between transcription factors AhR and Nrf2: lessons for cancer chemoprevention from dioxin. *Toxicological Sciences*, **2009**, 111, 199-201	4.4	76
42	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	2.4	11
41	Vitagenes, cellular stress response, and acetylcarnitine: relevance to hormesis. *BioFactors*, **2009**, 35, 146-60	6.1	67
40	Nitric oxide in cell survival: a janus molecule. *Antioxidants and Redox Signaling*, **2009**, 11, 2717-39	8.4	160
39	Rapid body weight gain increases the risk of UV radiation-induced skin carcinogenesis in SKH-1 hairless mice. *Nutrition Research*, **2008**, 28, 539-43	4	10
38	A dicyanotriterpenoid induces cytoprotective enzymes and reduces multiplicity of skin tumors in UV-irradiated mice. *Biochemical and Biophysical Research Communications*, **2008**, 367, 859-65	3.4	13
37	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, 15926-31	11.5	101
36	Two-step mechanism of induction of the gene expression of a prototypic cancer-protective enzyme by diphenols. *Chemical Research in Toxicology*, **2008**, 21, 805-12	4	44
35	Practical approaches to investigate redox regulation of heat shock protein expression and intracellular glutathione redox state. *Methods in Enzymology*, **2008**, 441, 83-110	1.7	30

34	A novel acetylenic tricyclic bis-(cyano enone) potently induces phase 2 cytoprotective pathways and blocks liver carcinogenesis induced by aflatoxin. *Cancer Research*, **2008**, 68, 6727-33	10.1	44
33	Phytochemicals as protectors against ultraviolet radiation: versatility of effects and mechanisms. *Planta Medica*, **2008**, 74, 1548-59	3.1	97
32	Direct and indirect antioxidant properties of inducers of cytoprotective proteins. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 1, S128-38	5.9	199
31	Curcumin and the cellular stress response in free radical-related diseases. *Molecular Nutrition and Food Research*, **2008**, 52, 1062-73	5.9	115
30	The Isothiocyanate Sulforaphane Induces the Phase 2 Response by Signaling of the Keap1□Nrf2□ARE Pathway. *Oxidative Stress and Disease*, **2008**,		2
29	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, 17500-5	11.5	165
28	Novel semisynthetic analogues of betulinic acid with diverse cytoprotective, antiproliferative, and proapoptotic activities. *Molecular Cancer Therapeutics*, **2007**, 6, 2113-9	6.1	53
27	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, 14460-5	11.5	74
26	Preclinical and clinical evaluation of sulforaphane for chemoprevention in the breast. *Carcinogenesis*, **2007**, 28, 1485-90	4.6	256
25	Induction of the phase 2 response in mouse and human skin by sulforaphane-containing broccoli sprout extracts. *Cancer Epidemiology Biomarkers and Prevention*, **2007**, 16, 847-51	4	134
24	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, 341-9	9.9	19
23	Chemoprotection against cancer: an idea whose time has come. *Alternative Therapies in Health and Medicine*, **2007**, 13, S122-7	2.5	4
22	Safety, tolerance, and metabolism of broccoli sprout glucosinolates and isothiocyanates: a clinical phase I study. *Nutrition and Cancer*, **2006**, 55, 53-62	2.8	265
21	Protection against UV-light-induced skin carcinogenesis in SKH-1 high-risk mice by sulforaphane-containing broccoli sprout extracts. *Cancer Letters*, **2006**, 240, 243-52	9.9	183
20	The role of Keap1 in cellular protective responses. *Chemical Research in Toxicology*, **2005**, 18, 1779-91	4	318
19	Keap1, the sensor for electrophiles and oxidants that regulates the phase 2 response, is a zinc metalloprotein. *Biochemistry*, **2005**, 44, 6889-99	3.2	176
18	Chlorophyll, chlorophyllin and related tetrapyrroles are significant inducers of mammalian phase 2 cytoprotective genes. *Carcinogenesis*, **2005**, 26, 1247-55	4.6	85
17	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, 4584-9	11.5	445

16	Role of nicotinamide quinone oxidoreductase 1 (NQO1) in protection against toxicity of electrophiles and reactive oxygen intermediates. *Methods in Enzymology*, **2004**, 382, 355-64	1.7	66
15	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, 2040-5	11.5	805
14	Redox ranking of inducers of a cancer-protective enzyme via the energy of their highest occupied molecular orbital. *Free Radical Biology and Medicine*, **2004**, 36, 1418-23	7.8	31
13	Protection against electrophile and oxidative stress by induction of phase 2 genes: the quest for the elusive sensor that responds to inducers. *Advances in Enzyme Regulation*, **2004**, 44, 335-67		119
12	The "Prochaska" microtiter plate bioassay for inducers of NQO1. *Methods in Enzymology*, **2004**, 382, 243-58	1.7	115
11	Chemical structures of inducers of nicotinamide quinone oxidoreductase 1 (NQO1). *Methods in Enzymology*, **2004**, 382, 423-48	1.7	97
10	Importance of phase 2 gene regulation in protection against electrophile and reactive oxygen toxicity and carcinogenesis. *Advances in Enzyme Regulation*, **2003**, 43, 121-34		230
9	Direct evidence that sulfhydryl groups of Keap1 are the sensors regulating induction of phase 2 enzymes that protect against carcinogens and oxidants. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 11908-13	11.5	1519
8	Quantitative determination of dithiocarbamates in human plasma, serum, erythrocytes and urine: pharmacokinetics of broccoli sprout isothiocyanates in humans. *Clinica Chimica Acta*, **2002**, 316, 43-53	6.2	296
7	Persuasive evidence that quinone reductase type 1 (DT diaphorase) protects cells against the toxicity of electrophiles and reactive forms of oxygen. *Free Radical Biology and Medicine*, **2000**, 29, 231-40	7.8	202
6	Regiochemical control of monolignol radical coupling: a new paradigm for lignin and lignan biosynthesis. *Chemistry and Biology*, **1999**, 6, 143-51		157
5	Relation of structure of curcumin analogs to their potencies as inducers of Phase 2 detoxification enzymes. *Carcinogenesis*, **1999**, 20, 911-4	4.6	202
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