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	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, 11908-11913.	3.3	1,719
2	The Nrf2 regulatory network provides an interface between redox and intermediary metabolism. Trends in Biochemical Sciences, 2014, 39, 199-218.	3.7	1,591
3	Oxidative Stress in Cancer. Cancer Cell, 2020, 38, 167-197.	7.7	1,203
4	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. Nature, 2018, 556, 113-117.	13.7	1,115
5	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
6	Therapeutic targeting of the NRF2 and KEAP1 partnership in chronic diseases. Nature Reviews Drug Discovery, 2019, 18, 295-317.	21.5	849
7	The cytoprotective role of the Keap1â€“Nrf2 pathway. Archives of Toxicology, 2011, 85, 241-272.	1.9	830
8	The emerging role of Nrf2 in mitochondrial function. Free Radical Biology and Medicine, 2015, 88, 179-188.	1.3	696
9	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
10	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
11	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
12	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
13	Glucosinolates and isothiocyanates in health and disease. Trends in Molecular Medicine, 2012, 18, 337-347.	3.5	493
14	Cancer Chemoprevention Mechanisms Mediated Through the Keap1â€“Nrf2 Pathway. Antioxidants and Redox Signaling, 2010, 13, 1713-1748.	2.5	476
15	Nrf2 regulates ROS production by mitochondria and NADPH oxidase. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 794-801.	1.1	444
16	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
17	Nrf2 impacts cellular bioenergetics by controlling substrate availability for mitochondrial respiration. Biology Open, 2013, 2, 761-770.	0.6	346
18	The Role of Keap1 in Cellular Protective Responses. Chemical Research in Toxicology, 2005, 18, 1779-1791.	1.7	345

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19	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.	0.5	328
20	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
21	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
22	Preclinical and clinical evaluation of sulforaphane for chemoprevention in the breast. Carcinogenesis, 2007, 28, 1485-1490.	1.3	283
23	The multifaceted role of Nrf2 in mitochondrial function. Current Opinion in Toxicology, 2016, 1, 80-91.	2.6	275
24	Direct and indirect antioxidant properties of inducers of cytoprotective proteins. Molecular Nutrition and Food Research, 2008, 52 Suppl 1, S128-38.	1.5	267
25	Importance of phase 2 gene regulation in protection against electrophile and reactive oxygen toxicity and carcinogenesis. Advances in Enzyme Regulation, 2003, 43, 121-134.	2.9	261
26	Keap1, the cysteine-based mammalian intracellular sensor for electrophiles and oxidants. Archives of Biochemistry and Biophysics, 2017, 617, 84-93.	1.4	232
27	Persuasive evidence that quinone reductase type 1 (DT diaphorase) protects cells against the toxicity of electrophiles and reactive forms of oxygen11This paper is dedicated with admiration to the memory of Professor Lars Ernster, whose name will be identified forever with DT diaphorase.. Free Radical Biology and Medicine, 2000, 29, 231-240.	1.3	227
28	Loss of Nrf2 markedly exacerbates nonalcoholic steatohepatitis. Free Radical Biology and Medicine, 2010, 48, 357-371.	1.3	227
29	Relation of structure of curcumin analogs to their potencies as inducers of Phase 2 detoxification enzymes. Carcinogenesis, 1999, 20, 911-914.	1.3	221
30	The role of Nrf2 signaling in counteracting neurodegenerative diseases. FEBS Journal, 2018, 285, 3576-3590.	2.2	220
31	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
32	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
33	KEAP1 and done? Targeting the NRF2 pathway with sulforaphane. Trends in Food Science and Technology, 2017, 69, 257-269.	7.8	196
34	Broccoli or Sulforaphane: Is It the Source or Dose That Matters?. Molecules, 2019, 24, 3593.	1.7	196
35	Nrf2 affects the efficiency of mitochondrial fatty acid oxidation. Biochemical Journal, 2014, 457, 415-424.	1.7	192
36	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

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37	Nitric Oxide in Cell Survival: A Janus Molecule. Antioxidants and Redox Signaling, 2009, 11, 2717-2739.	2.5	184
38	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
39	(+)-Pinoresinol/(+)-Lariciresinol Reductase from Forsythia intermedia. Journal of Biological Chemistry, 1996, 271, 29473-29482.	1.6	176
40	Regiochemical control of monolignol radical coupling: A new paradigm for lignin and lignan biosynthesis. Chemistry and Biology, 1999, 6, 143-151.	6.2	175
41	Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. Nature Communications, 2018, 9, 53.	5.8	175
42	Chemoprotective Properties of Phenylpropenoids, Bis(benzylidene)cycloalkanones, and Related Michael Reaction Acceptors:Â Correlation of Potencies as Phase 2 Enzyme Inducers and Radical Scavengersâ€. Journal of Medicinal Chemistry, 1998, 41, 5287-5296.	2.9	167
43	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
44	Can Activation of NRF2 Be a Strategy against COVID-19?. Trends in Pharmacological Sciences, 2020, 41, 598-610.	4.0	161
45	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
46	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
47	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
48	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
49	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. Cell Reports, 2018, 25, 2044-2052.e5.	2.9	140
50	Curcumin and the cellular stress response in free radicalâ€related diseases. Molecular Nutrition and Food Research, 2008, 52, 1062-1073.	1.5	138
51	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, 335-367.	2.9	130
52	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
53	The â€œProchaskaâ€•Microtiter Plate Bioassay for Inducers of NQO1. Methods in Enzymology, 2004, 382, 243-258.	0.4	127
54	Regulation of the mammalian heat shock factor 1. FEBS Journal, 2017, 284, 1606-1627.	2.2	127

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55	Monitoring Keap1â€“Nrf2 interactions in single live cells. Biotechnology Advances, 2014, 32, 1133-1144.	6.0	122
56	Phytochemicals as Protectors Against Ultraviolet Radiation: Versatility of Effects and Mechanisms. Planta Medica, 2008, 74, 1548-1559.	0.7	120
57	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
58	Vitagenes, cellular stress response, and acetylcarnitine: Relevance to hormesis. BioFactors, 2009, 35, 146-160.	2.6	118
59	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
60	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
61	Transcription factors Hsf1 and Nrf2 engage in crosstalk for cytoprotection. Trends in Pharmacological Sciences, 2015, 36, 6-14.	4.0	108
62	Chemical Structures of Inducers of Nicotinamide Quinone Oxidoreductase 1 (NQO1). Methods in Enzymology, 2004, 382, 423-448.	0.4	106
63	Chlorophyll, chlorophyllin and related tetrapyrroles are significant inducers of mammalian phase 2 cytoprotective genes. Carcinogenesis, 2005, 26, 1247-1255.	1.3	99
64	KEAP1 inhibition is neuroprotective and suppresses the development of epilepsy. Brain, 2018, 141, 1390-1403.	3.7	99
65	An Exceptionally Potent Inducer of Cytoprotective Enzymes. Journal of Biological Chemistry, 2010, 285, 33747-33755.	1.6	98
66	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
67	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
68	Nrf2 Activation Protects against Solar-Simulated Ultraviolet Radiation in Mice and Humans. Cancer Prevention Research, 2015, 8, 475-486.	0.7	94
69	Cross-talk between Transcription Factors AhR and Nrf2: Lessons for Cancer Chemoprevention from Dioxin. Toxicological Sciences, 2009, 111, 199-201.	1.4	90
70	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
71	Molecular basis for the disruption of Keap1â€“Nrf2 interaction via Hinge & Latch mechanism. Communications Biology, 2021, 4, 576.	2.0	84
72	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

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73	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
74	The spatiotemporal regulation of the Keap1â€“Nrf2 pathway and its importance in cellular bioenergetics. Biochemical Society Transactions, 2015, 43, 602-610.	1.6	69
75	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
76	Obesity and NRF2-mediated cytoprotection: Where is the missing link?. Pharmacological Research, 2020, 156, 104760.	3.1	68
77	Neuroprotective Effects of Sulforaphane after Contusive Spinal Cord Injury. Journal of Neurotrauma, 2012, 29, 2576-2586.	1.7	66
78	Induction of the Keap1/Nrf2/ARE pathway by oxidizable diphenols. Chemico-Biological Interactions, 2011, 192, 101-106.	1.7	63
79	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
80	Heat Shock Factor 1 Is a Substrate for p38 Mitogen-Activated Protein Kinases. Molecular and Cellular Biology, 2016, 36, 2403-2417.	1.1	61
81	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
82	Novel semisynthetic analogues of betulinic acid with diverse cytoprotective, antiproliferative, and proapoptotic activities. Molecular Cancer Therapeutics, 2007, 6, 2113-2119.	1.9	55
83	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
84	Pathogenic p62/SQSTM1 mutations impair energy metabolism through limitation of mitochondrial substrates. Scientific Reports, 2017, 7, 1666.	1.6	51
85	Nrf2 activation reprograms macrophage intermediary metabolism and suppresses the type I interferon response. IScience, 2022, 25, 103827.	1.9	51
86	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
87	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
88	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
89	Diffusion dynamics of the Keap1â€“Cullin3 interaction in single live cells. Biochemical and Biophysical Research Communications, 2013, 433, 58-65.	1.0	47
90	NRF2 and the Ambiguous Consequences of Its Activation during Initiation and the Subsequent Stages of Tumourigenesis. Cancers, 2020, 12, 3609.	1.7	44

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91	Activation of transcription factor Nrf2 to counteract mitochondrial dysfunction in Parkinson's disease. Medicinal Research Reviews, 2021, 41, 785-802.	5.0	42
92	Phenethyl Isothiocyanate, a Dual Activator of Transcription Factors NRF2 and HSF1. Molecular Nutrition and Food Research, 2018, 62, e1700908.	1.5	40
93	The indirect antioxidant sulforaphane protects against thiopurine-mediated photooxidative stress. Carcinogenesis, 2012, 33, 2457-2466.	1.3	39
94	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
95	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
96	Rhodiola rosea L.: from golden root to green cell factories. Phytochemistry Reviews, 2016, 15, 515-536.	3.1	35
97	NRF2 as an Emerging Therapeutic Target. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	35
98	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, 1418-1423.	1.3	34
99	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
100	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
101	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
102	Oxidative stress management in the hair follicle: Could targeting NRF2 counter ageâ€related hair disorders and beyond?. BioEssays, 2017, 39, 1700029.	1.2	33
103	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
104	Transcription factors NRF2 and HSF1 have opposing functions in autophagy. Scientific Reports, 2017, 7, 11023.	1.6	29
105	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
106	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
107	Epigenetic Control of NRF2-Directed Cellular Antioxidant Status in Dictating Life-Death Decisions. Molecular Cell, 2017, 68, 5-7.	4.5	26
108	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

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109	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
110	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
111	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
112	Isomeric O-methyl cannabidiolquinones with dual BACH1/NRF2 activity. Redox Biology, 2020, 37, 101689.	3.9	23
113	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
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	Chemical Tuning Enhances Both Potency Toward Nrf2 and In Vitro Therapeutic Index of Triterpenoids. Toxicological Sciences, 2014, 140, 462-469.	1.4	21
116	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
117	Downregulation of Keap1 Confers Features of a Fasted Metabolic State. IScience, 2020, 23, 101638.	1.9	21
118	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
119	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
120	The isothiocyanate sulforaphane inhibits mTOR in an NRF2-independent manner. Phytomedicine, 2021, 86, 153062.	2.3	19
121	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
122	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
123	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
124	Editorial: Lignans: Insights Into Their Biosynthesis, Metabolic Engineering, Analytical Methods and Health Benefits. Frontiers in Plant Science, 2020, 11, 630327.	1.7	16
125	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
126	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

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127	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
128	Activation of Nrf2 signaling as a common treatment of neurodegenerative diseases. Neurodegenerative Disease Management, 2017, 7, 97-100.	1.2	14
129	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
130	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
131	NAD(P)H : Quinone Oxidoreductase 1 Inducer Activity of Some Saudi Arabian Medicinal Plants. Planta Medica, 2013, 79, 459-464.	0.7	12
132	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
133	Application of the inÂvivo oxidative stress reporter Hmox1 as mechanistic biomarker of arsenic toxicity. Environmental Pollution, 2021, 270, 116053.	3.7	12
134	Assessment of ROS Production in the Mitochondria of Live Cells. Methods in Molecular Biology, 2021, 2202, 33-42.	0.4	12
135	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
136	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
137	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2. IScience, 2022, 25, 103703.	1.9	11
138	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
139	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
140	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
141	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
142	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
143	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
144	Pirin, an Nrf2-Regulated Protein, Is Overexpressed in Human Colorectal Tumors. Antioxidants, 2022, 11, 262.	2.2	8

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145	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
146	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
147	Novel iodinated quinazolinones bearing sulfonamide as new scaffold targeting radiation induced oxidative stress. Bioorganic and Medicinal Chemistry Letters, 2021, 42, 128002.	1.0	6
148	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
149	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
150	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
151	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
152	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
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