# Ken Itoh

List of Publications by Year
in descending order

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| | | 8755 | 6131 |
|---|---|---|---|
| 167 | 32,514 | 75 | 159 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 172 | 172 | 172 | 23675 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An Nrf2/Small Maf Heterodimer Mediates the Induction of Phase II Detoxifying Enzyme Genes through Antioxidant Response Elements. Biochemical and Biophysical Research Communications, 1997, 236, 313-322. | 2.1 | 3,495 |
| 2 | Keap1 represses nuclear activation of antioxidant responsive elements by Nrf2 through binding to the amino-terminal Neh2 domain. Genes and Development, 1999, 13, 76-86. | 5.9 | 3,000 |
| 3 | 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. | 7.1 | 1,719 |
| 4 | Transcription Factor Nrf2 Coordinately Regulates a Group of Oxidative Stress-inducible Genes in Macrophages. Journal of Biological Chemistry, 2000, 275, 16023-16029. | 3.4 | 1,297 |
| 5 | Sensitivity to carcinogenesis is increased and chemoprotective efficacy of enzyme inducers is lost in nrf2 transcription factor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 3410-3415. | 7.1 | 1,036 |
| 6 | Keap1-dependent Proteasomal Degradation of Transcription Factor Nrf2 Contributes to the Negative Regulation of Antioxidant Response Element-driven Gene Expression. Journal of Biological Chemistry, 2003, 278, 21592-21600. | 3.4 | 963 |
| 7 | Keap1-null mutation leads to postnatal lethality due to constitutive Nrf2 activation. Nature Genetics, 2003, 35, 238-245. | 21.4 | 782 |
| 8 | Molecular mechanism activating nrf2â€“keap1 pathway in regulation of adaptive response to electrophiles. Free Radical Biology and Medicine, 2004, 36, 1208-1213. | 2.9 | 765 |
| 9 | Keap1 regulates both cytoplasmicâ€nuclear shuttling and degradation of Nrf2 in response to electrophiles. Genes To Cells, 2003, 8, 379-391. | 1.2 | 698 |
| 10 | High Sensitivity of Nrf2 Knockout Mice to Acetaminophen Hepatotoxicity Associated with Decreased Expression of ARE-Regulated Drug Metabolizing Enzymes and Antioxidant Genes. Toxicological Sciences, 2001, 59, 169-177. | 3.1 | 663 |
| 11 | Modulation of Gene Expression by Cancer Chemopreventive Dithiolethiones through the Keap1-Nrf2 Pathway. Journal of Biological Chemistry, 2003, 278, 8135-8145. | 3.4 | 611 |
| 12 | Keap1 Recruits Neh2 through Binding to ETGE and DLG Motifs: Characterization of the Two-Site Molecular Recognition Model. Molecular and Cellular Biology, 2006, 26, 2887-2900. | 2.3 | 610 |
| 13 | Bach Proteins Belong to a Novel Family of BTB-Basic Leucine Zipper Transcription Factors That Interact with MafK and Regulate Transcription through the NF-E2 Site. Molecular and Cellular Biology, 1996, 16, 6083-6095. | 2.3 | 573 |
| 14 | Enhanced Expression of the Transcription Factor Nrf2 by Cancer Chemopreventive Agents: Role of Antioxidant Response Element-Like Sequences in the nrf2 Promoter. Molecular and Cellular Biology, 2002, 22, 2883-2892. | 2.3 | 527 |
| 15 | Discovery of the Negative Regulator of Nrf2, Keap1: A Historical Overview. Antioxidants and Redox Signaling, 2010, 13, 1665-1678. | 5.4 | 444 |
| 16 | Electrophile Response Element-mediated Induction of the Cystine/Glutamate Exchange Transporter Gene Expression. Journal of Biological Chemistry, 2002, 277, 44765-44771. | 3.4 | 443 |
| 17 | Regulation of transcription by dimerization of erythroid factor NF-E2 p45 with small Maf proteins. Nature, 1994, 367, 568-572. | 27.8 | 428 |
| 18 | Identification of a novel Nrf2-regulated antioxidant response element (ARE) in the mouse NAD(P)H:quinone oxidoreductase 1 gene: reassessment of the ARE consensus sequence. Biochemical Journal, 2003, 374, 337-348. | 3.7 | 427 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dimerization of Substrate Adaptors Can Facilitate Cullin-mediated Ubiquitylation of Proteins by a â€œTetheringâ€•Mechanism. Journal of Biological Chemistry, 2006, 281, 24756-24768. | 3.4 | 422 |
| 20 | Two domains of Nrf2 cooperatively bind CBP, a CREB binding protein, and synergistically activate transcription. Genes To Cells, 2001, 6, 857-868. | 1.2 | 415 |
| 21 | Loss of the Nrf2 transcription factor causes a marked reduction in constitutive and inducible expression of the glutathione S-transferase Gsta1, Gsta2, Gstm1, Gstm2, Gstm3 and Gstm4 genes in the livers of male and female mice. Biochemical Journal, 2002, 365, 405-416. | 3.7 | 399 |
| 22 | Role of Nrf2 in the Regulation of CD36 and Stress Protein Expression in Murine Macrophages. Circulation Research, 2004, 94, 609-616. | 4.5 | 388 |
| 23 | Transcription Factor Nrf2 Regulates Inflammation by Mediating the Effect of 15-Deoxy-Î” 12,14 -Prostaglandin J 2. Molecular and Cellular Biology, 2004, 24, 36-45. | 2.3 | 383 |
| 24 | Nrf2 Enhances Cell Proliferation and Resistance to Anticancer Drugs in Human Lung Cancer. Clinical Cancer Research, 2009, 15, 3423-3432. | 7.0 | 373 |
| 25 | Carnosic acid, a catecholâ€type electrophilic compound, protects neurons both in vitro and in vivo through activation of the Keap1/Nrf2 pathway via Sâ€alkylation of targeted cysteines on Keap1. Journal of Neurochemistry, 2008, 104, 1116-1131. | 3.9 | 339 |
| 26 | Redox-regulated Turnover of Nrf2 Is Determined by at Least Two Separate Protein Domains, the Redox-sensitive Neh2 Degron and the Redox-insensitive Neh6 Degron. Journal of Biological Chemistry, 2004, 279, 31556-31567. | 3.4 | 336 |
| 27 | Role of Nrf2 signaling in regulation of antioxidants and phase 2 enzymes in cardiac fibroblasts: Protection against reactive oxygen and nitrogen species-induced cell injury. FEBS Letters, 2005, 579, 3029-3036. | 2.8 | 333 |
| 28 | Nrf2 Is Essential for the Chemopreventive Efficacy of Oltipraz against Urinary Bladder Carcinogenesis. Cancer Research, 2004, 64, 6424-6431. | 0.9 | 325 |
| 29 | Regulatory mechanisms of cellular response to oxidative stress. Free Radical Research, 1999, 31, 319-324. | 3.3 | 323 |
| 30 | Role of Transcription Factor Nrf2 in the Induction of Hepatic Phase 2 and Antioxidative Enzymes in vivo by the Cancer Chemoprotective Agent, 3H-1, 2-Dithiole-3-thione. Molecular Medicine, 2001, 7, 135-145. | 4.4 | 317 |
| 31 | Nrf2-deficient female mice develop lupus-like autoimmune nephritis11See Editorial by Byrd and Thomas, p. 1606.. Kidney International, 2001, 60, 1343-1353. | 5.2 | 313 |
| 32 | Identification of the interactive interface and phylogenic conservation of the Nrf2-Keap1 system. Genes To Cells, 2002, 7, 807-820. | 1.2 | 298 |
| 33 | Nrf2-deficient mice are highly susceptible to cigarette smoke-induced emphysema. Genes To Cells, 2005, 10, 1113-1125. | 1.2 | 293 |
| 34 | Accelerated DNA Adduct Formation in the Lung of the Nrf2 Knockout Mouse Exposed to Diesel Exhaust. Toxicology and Applied Pharmacology, 2001, 173, 154-160. | 2.8 | 275 |
| 35 | Hemin-induced Activation of the Thioredoxin Gene by Nrf2. Journal of Biological Chemistry, 2001, 276, 18399-18406. | 3.4 | 273 |
| 36 | Regulation of Nrf2 by Mitochondrial Reactive Oxygen Species in Physiology and Pathology. Biomolecules, 2020, 10, 320. | 4.0 | 263 |

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|---|---|---|---|
| 37 | Transcription factor Nrf2 is required for the constitutive and inducible expression of multidrug resistance-associated protein1 in mouse embryo fibroblasts. Biochemical and Biophysical Research Communications, 2003, 310, 824-829. | 2.1 | 247 |
| 38 | A Sulforaphane Analogue That Potently Activates the Nrf2-dependent Detoxification Pathway. Journal of Biological Chemistry, 2002, 277, 3456-3463. | 3.4 | 234 |
| 39 | Role of phase 2 enzyme induction in chemoprotection by dithiolethiones. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 480-481, 305-315. | 1.0 | 219 |
| 40 | Transcription Factor Nrf2 Plays a Pivotal Role in Protection against Elastase-Induced Pulmonary Inflammation and Emphysema. Journal of Immunology, 2005, 175, 6968-6975. | 0.8 | 219 |
| 41 | Differential Responses of the Nrf2-Keap1 System to Laminar and Oscillatory Shear Stresses in Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 27244-27250. | 3.4 | 198 |
| 42 | Activation of hepatic Nrf2in vivo by acetaminophen in CD-1 mice. Hepatology, 2004, 39, 1267-1276. | 7.3 | 188 |
| 43 | Evolutionary conserved N-terminal domain of Nrf2 is essential for the Keap1-mediated degradation of the protein by proteasome. Archives of Biochemistry and Biophysics, 2005, 433, 342-350. | 3.0 | 187 |
| 44 | BRG1 Interacts with Nrf2 To Selectively Mediate HO-1 Induction in Response to Oxidative Stress. Molecular and Cellular Biology, 2006, 26, 7942-7952. | 2.3 | 183 |
| 45 | Transcription Factor Nrf2 Is Essential for Induction of NAD(P)H:Quinone Oxidoreductase 1, Glutathione S-Transferases, and Glutamate Cysteine Ligase by Broccoli Seeds and Isothiocyanates. Journal of Nutrition, 2004, 134, 3499S-3506S. | 2.9 | 181 |
| 46 | Hyperglycemia induces oxidative and nitrosative stress and increases renal functional impairment in Nrf2â€deficient mice. Genes To Cells, 2008, 13, 1159-1170. | 1.2 | 175 |
| 47 | Interactive effects of nrf2 genotype and oltipraz on benzo[a]pyrene-DNA adducts and tumor yield in mice. Carcinogenesis, 2003, 24, 461-467. | 2.8 | 169 |
| 48 | Nrf2- and ATF4-Dependent Upregulation of xCT Modulates the Sensitivity of T24 Bladder Carcinoma Cells to Proteasome Inhibition. Molecular and Cellular Biology, 2014, 34, 3421-3434. | 2.3 | 163 |
| 49 | Nrf2 regulates ferroportin 1-mediated iron efflux and counteracts lipopolysaccharide-induced ferroportin 1 mRNA suppression in macrophages. Archives of Biochemistry and Biophysics, 2011, 508, 101-109. | 3.0 | 162 |
| 50 | Shear stress stabilizes NF-E2-related factor 2 and induces antioxidant genes in endothelial cells: Role of reactive oxygen/nitrogen species. Free Radical Biology and Medicine, 2007, 42, 260-269. | 2.9 | 156 |
| 51 | Methylation of the KEAP1 gene promoter region in human colorectal cancer. BMC Cancer, 2012, 12, 66. | 2.6 | 156 |
| 52 | Transcription factor Nrf2 mediates an adaptive response to sulforaphane that protects fibroblasts in vitro against the cytotoxic effects of electrophiles, peroxides and redox-cycling agents. Toxicology and Applied Pharmacology, 2009, 237, 267-280. | 2.8 | 152 |
| 53 | Ultraviolet A Irradiation Induces NF-E2-Related Factor 2 Activation in Dermal Fibroblasts: Protective Role in UVA-Induced Apoptosis. Journal of Investigative Dermatology, 2005, 124, 825-832. | 0.7 | 147 |
| 54 | [18] Roles of Nrf2 in activation of antioxidant enzyme genes via antioxidant responsive elements. Methods in Enzymology, 2002, 348, 182-190. | 1.0 | 143 |

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|---|---|---|---|
| 55 | Nrf2 protects against pulmonary fibrosis by regulating the lung oxidant level and Th1/Th2 balance. Respiratory Research, 2010, 11, 31. | 3.6 | 137 |
| 56 | Ebselen, a Seleno-organic Antioxidant, as an Electrophile. Chemical Research in Toxicology, 2006, 19, 1196-1204. | 3.3 | 135 |
| 57 | Subcellular localization and cytoplasmic complex status of endogenous Keap1. Genes To Cells, 2007, 12, 1163-1178. | 1.2 | 116 |
| 58 | Role of Nrf2 in the pathogenesis of atherosclerosis. Free Radical Biology and Medicine, 2015, 88, 221-232. | 2.9 | 116 |
| 59 | Emerging functional cross-talk between the Keap1-Nrf2 system and mitochondria. Journal of Clinical Biochemistry and Nutrition, 2015, 56, 91-97. | 1.4 | 115 |
| 60 | Induction of cancer chemopreventive enzymes by coffee is mediated by transcription factor Nrf2. Evidence that the coffee-specific diterpenes cafestol and kahweol confer protection against acrolein. Toxicology and Applied Pharmacology, 2008, 226, 328-337. | 2.8 | 112 |
| 61 | Role of 15-Deoxyî”<sup>12,14</sup> Prostaglandin J<sub>2</sub> and Nrf2 Pathways in Protection against Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1260-1266. | 5.6 | 111 |
| 62 | Oxidative stress-inducible proteins in macrophages. Free Radical Research, 1999, 31, 351-355. | 3.3 | 110 |
| 63 | Carnosic acid protects neuronal HT22 Cells through activation of the antioxidant-responsive element in free carboxylic acid- and catechol hydroxyl moieties-dependent manners. Neuroscience Letters, 2008, 434, 260-265. | 2.1 | 108 |
| 64 | Nrf2 regulates the sensitivity of death receptor signals by affecting intracellular glutathione levels. Oncogene, 2003, 22, 9275-9281. | 5.9 | 105 |
| 65 | Role of the <scp>K</scp>eap1/<scp>N</scp>rf2 pathway in neurodegenerative diseases. Pathology International, 2015, 65, 210-219. | 1.3 | 104 |
| 66 | Activity and Expression of Murine Small Maf Family Protein MafK. Journal of Biological Chemistry, 1995, 270, 7615-7624. | 3.4 | 96 |
| 67 | Molecular Basis Distinguishing the DNA Binding Profile of Nrf2-Maf Heterodimer from That of Maf Homodimer. Journal of Biological Chemistry, 2007, 282, 33681-33690. | 3.4 | 92 |
| 68 | Activation of Nrf2 and accumulation of ubiquitinated A170 by arsenic in osteoblasts. Biochemical and Biophysical Research Communications, 2003, 305, 271-277. | 2.1 | 89 |
| 69 | Role of Nrf2 and p62/ZIP in the neurite outgrowth by carnosic acid in PC12h cells. Journal of Biochemistry, 2010, 147, 73-81. | 1.7 | 88 |
| 70 | Nrf2 Neh5 domain is differentially utilized in the transactivation of cytoprotective genes. Biochemical Journal, 2007, 404, 459-466. | 3.7 | 87 |
| 71 | Proteinase K-resistant Î±-synuclein is deposited in presynapses in human Lewy body disease and A53T Î±-synuclein transgenic mice. Acta Neuropathologica, 2010, 120, 145-154. | 7.7 | 87 |
| 72 | Nrf2 regulates the alternative first exons of CD36 in macrophages through specific antioxidant response elements. Archives of Biochemistry and Biophysics, 2008, 477, 139-145. | 3.0 | 83 |

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|---|---|---|---|
| 73 | EPR imaging of reducing activity in Nrf2 transcriptional factor-deficient mice. Free Radical Biology and Medicine, 2003, 34, 1236-1242. | 2.9 | 81 |
| 74 | Role of Nrf2 in Host Defense against Influenza Virus in Cigarette Smoke-Exposed Mice. Journal of Virology, 2011, 85, 4679-4690. | 3.4 | 79 |
| 75 | Inchinkoto, a herbal medicine, and its ingredients dually exert Mrp2/MRP2-mediated choleresis and Nrf2-mediated antioxidative action in rat livers. American Journal of Physiology - Renal Physiology, 2007, 292, G1450-G1463. | 3.4 | 76 |
| 76 | Attenuation of UVB-Induced Sunburn Reaction and Oxidative DNA Damage with no Alterations in UVB-Induced Skin Carcinogenesis in Nrf2 Gene-Deficient Mice. Journal of Investigative Dermatology, 2008, 128, 1773-1779. | 0.7 | 76 |
| 77 | Essential role of Nrf2 in keratinocyte protection from UVA by quercetin. Biochemical and Biophysical Research Communications, 2009, 387, 109-114. | 2.1 | 76 |
| 78 | A Crucial Role of Nrf2 in In Vivo Defense against Oxidative Damage by an Environmental Pollutant, Pentachlorophenol. Toxicological Sciences, 2006, 90, 111-119. | 3.1 | 72 |
| 79 | Nrf2 and p53 cooperatively protect against BBN-induced urinary bladder carcinogenesis. Carcinogenesis, 2007, 28, 2398-2403. | 2.8 | 70 |
| 80 | Enhanced Spontaneous and Benzo(a)pyrene-Induced Mutations in the Lung of Nrf2-Deficient gpt Delta Mice. Cancer Research, 2007, 67, 5643-5648. | 0.9 | 70 |
| 81 | Trehalose intake induces chaperone molecules along with autophagy in a mouse model of Lewy body disease. Biochemical and Biophysical Research Communications, 2015, 465, 746-752. | 2.1 | 70 |
| 82 | Increased susceptibility to hepatocarcinogenicity of Nrf2-deficient mice exposed to 2-amino-3-methylimidazo[4,5-f]quinoline. Cancer Science, 2007, 98, 19-24. | 3.9 | 69 |
| 83 | Nrf2 inhibits hepatic iron accumulation and counteracts oxidative stress-induced liver injury in nutritional steatohepatitis. Journal of Gastroenterology, 2012, 47, 924-935. | 5.1 | 67 |
| 84 | Role of the ISR-ATF4 pathway and its cross talk with Nrf2 in mitochondrial quality control. Journal of Clinical Biochemistry and Nutrition, 2019, 64, 1-12. | 1.4 | 67 |
| 85 | Expression of the Aflatoxin B1-8,9-Epoxide-Metabolizing Murine Glutathione S-Transferase A3 Subunit Is Regulated by the Nrf2 Transcription Factor through an Antioxidant Response Element. Molecular Pharmacology, 2003, 64, 1018-1028. | 2.3 | 62 |
| 86 | Lansoprazole, a Proton Pump Inhibitor, Mediates Anti-Inflammatory Effect in Gastric Mucosal Cells through the Induction of Heme Oxygenase-1 via Activation of NF-E2-Related Factor 2 and Oxidation of Kelch-Like ECH-Associating Protein 1. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 255-264. | 2.5 | 62 |
| 87 | Comparison of citrus coumarins on carcinogen-detoxifying enzymes in Nrf2 knockout mice. Toxicology Letters, 2009, 185, 180-186. | 0.8 | 62 |
| 88 | Keap1 Is Localized in Neuronal and Glial Cytoplasmic Inclusions in Various Neurodegenerative Diseases. Journal of Neuropathology and Experimental Neurology, 2013, 72, 18-28. | 1.7 | 61 |
| 89 | Aggressive mammary carcinoma progression in Nrf2 knockout mice treated with 7,12-dimethylbenz[a]anthracene. BMC Cancer, 2010, 10, 540. | 2.6 | 60 |
| 90 | Nrf2 activation is associated with Z-DNA formation in the human HO-1 promoter. Nucleic Acids Research, 2013, 41, 5223-5234. | 14.5 | 59 |

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| 91 | 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. | 3.3 | 58 |
| 92 | Nrf2 deficiency causes tooth decolourization due to iron transport disorder in enamel organ. Genes To Cells, 2004, 9, 641-651. | 1.2 | 56 |
| 93 | Nrf2 controls bone marrow stromal cell susceptibility to oxidative and electrophilic stress. Free Radical Biology and Medicine, 2006, 41, 132-143. | 2.9 | 56 |
| 94 | Nrf2 in bone marrow-derived cells positively contributes to the advanced stage of atherosclerotic plaque formation. Free Radical Biology and Medicine, 2012, 53, 2256-2262. | 2.9 | 56 |
| 95 | Nrf2 regulates NGF mRNA induction by carnosic acid in T98G glioblastoma cells and normal human astrocytes. Journal of Biochemistry, 2011, 150, 209-217. | 1.7 | 55 |
| 96 | Keap1/Nrf2 system regulates neuronal survival as revealed through study of keap1 gene-knockout mice. Biochemical and Biophysical Research Communications, 2009, 380, 298-302. | 2.1 | 51 |
| 97 | Transforming Growth Factor-Î² Induces Transcription Factors MafK and Bach1 to Suppress Expression of the Heme Oxygenase-1 Gene. Journal of Biological Chemistry, 2013, 288, 20658-20667. | 3.4 | 50 |
| 98 | Non-coding RNA derived from the region adjacent to the human HO-1 E2 enhancer selectively regulates HO-1 gene induction by modulating Pol II binding. Nucleic Acids Research, 2014, 42, 13599-13614. | 14.5 | 50 |
| 99 | Carnosic acid suppresses the production of amyloid-Î² 1-42 and 1-43 by inducing an Î±-secretase TACE/ADAM17 in U373MG human astrocytoma cells. Neuroscience Research, 2014, 79, 83-93. | 1.9 | 49 |
| 100 | Increased Susceptibility of Nrf2-Null Mice to 1-Bromopropaneâ€“Induced Hepatotoxicity. Toxicological Sciences, 2010, 115, 596-606. | 3.1 | 48 |
| 101 | Carnosic acid attenuates apoptosis induced by amyloid-Î² 1â€“42 or 1â€“43 in SH-SY5Y human neuroblastoma cells. Neuroscience Research, 2015, 94, 1-9. | 1.9 | 47 |
| 102 | Carnosic acid suppresses the production of amyloid-Î² 1â€“42 by inducing the metalloprotease gene TACE/ADAM17 in SH-SY5Y human neuroblastoma cells. Neuroscience Research, 2013, 75, 94-102. | 1.9 | 45 |
| 103 | Phosphorylation of serine 349 of p62 in Alzheimerâ€™s disease brain. Acta Neuropathologica Communications, 2014, 2, 50. | 5.2 | 43 |
| 104 | Double-stranded RNA induces galectin-9 in vascular endothelial cells: involvement of TLR3, PI3K, and IRF3 pathway. Glycobiology, 2007, 17, 12C-15C. | 2.5 | 38 |
| 105 | Differential roles for Nrf2 and AP-1 in upregulation of HO-1 expression by arsenite in murine embryonic fibroblasts. Free Radical Research, 2008, 42, 297-304. | 3.3 | 38 |
| 106 | Ablation of the Transcription Factor Nrf2 Promotes Ischemia-Induced Neovascularization by Enhancing the Inflammatory Response. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1553-1561. | 2.4 | 37 |
| 107 | <scp>p</scp>62 Deficiency Enhances Î±â€Synuclein Pathology in Mice. Brain Pathology, 2015, 25, 552-564. | 4.1 | 37 |
| 108 | Relationship between Radiosensitivity and Nrf2 Target Gene Expression in Human Hematopoietic Stem Cells. Radiation Research, 2010, 174, 177-184. | 1.5 | 35 |

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|---|---|---|---|
| 109 | Emerging Regulatory Role of Nrf2 in Iron, Heme, and Hemoglobin Metabolism in Physiology and Disease. Frontiers in Veterinary Science, 2018, 5, 242. | 2.2 | 35 |
| 110 | Emerging evidence for crosstalk between Nrf2 and mitochondria in physiological homeostasis and in heart disease. Archives of Pharmacal Research, 2020, 43, 286-296. | 6.3 | 34 |
| 111 | Selective Induction of the Tumor Marker Glutathione S-Transferase P1 by Proteasome Inhibitors*. Journal of Biological Chemistry, 2005, 280, 25267-25276. | 3.4 | 29 |
| 112 | Nrf2 deficiency improves autoimmune nephritis caused by the fas mutation lpr. Kidney International, 2004, 65, 1703-1713. | 5.2 | 28 |
| 113 | A Possible Role of Nrf2 in Prevention of Renal Oxidative Damage by Ferric Nitrilotriacetate. Toxicologic Pathology, 2008, 36, 353-361. | 1.8 | 26 |
| 114 | Concomitant Nrf2- and ATF4-activation by Carnosic Acid Cooperatively Induces Expression of Cytoprotective Genes. International Journal of Molecular Sciences, 2019, 20, 1706. | 4.1 | 26 |
| 115 | Induction of murine intestinal and hepatic peroxiredoxin MSP23 by dietary butylated hydroxyanisole. Carcinogenesis, 2000, 21, 1013-1016. | 2.8 | 25 |
| 116 | Tissue Prx I in the protection against Fe-NTA and the reduction of nitroxyl radicals. Biochemical and Biophysical Research Communications, 2006, 339, 226-231. | 2.1 | 24 |
| 117 | The novel Nrf2-interacting factor KAP1 regulates susceptibility to oxidative stress by promoting the Nrf2-mediated cytoprotective response. Biochemical Journal, 2011, 436, 387-397. | 3.7 | 24 |
| 118 | Edaravone and carnosic acid synergistically enhance the expression of nerve growth factor in human astrocytes under hypoxia/reoxygenation. Neuroscience Research, 2011, 69, 291-298. | 1.9 | 22 |
| 119 | Role of Nrf2 in inflammatory response in lung of mice exposed to zinc oxide nanoparticles. Particle and Fibre Toxicology, 2019, 16, 47. | 6.2 | 22 |
| 120 | Suppression of AhR signaling pathway is associated with the down-regulation of UDP-glucuronosyltransferases during BBN-induced urinary bladder carcinogenesis in mice. Journal of Biochemistry, 2010, 147, 353-360. | 1.7 | 21 |
| 121 | Novel roles of glycosaminoglycans in the degradation of type I collagen by cathepsin K. Glycobiology, 2017, 27, 1089-1098. | 2.5 | 21 |
| 122 | Nrf2 transactivator-independent GSTP1-1 expression in `GSTP1-1 positive' single cells inducible in female mouse liver by DEN: a preneoplastic character of possible initiated cells. Carcinogenesis, 2002, 23, 457-462. | 2.8 | 20 |
| 123 | Ribosome binding protein GCN1Âregulates the cell cycle and cell proliferation and is essential for the embryonic development of mice. PLoS Genetics, 2020, 16, e1008693. | 3.5 | 20 |
| 124 | Nrf2 degron-fused reporter system: a new tool for specific evaluation of Nrf2 inducers. Genes To Cells, 2011, 16, 406-415. | 1.2 | 19 |
| 125 | Effects of deficiency of Kelchâ€like ECHâ€associated protein 1 on skeletal organization: a mechanism for diminished nuclear factor of activated T cells cytoplasmic 1 during osteoclastogenesis. FASEB Journal, 2017, 31, 4011-4022. | 0.5 | 19 |
| 126 | Keap1 Regulates the Constitutive Expression of GST A1 during Differentiation of Caco-2 Cells. Biochemistry, 2008, 47, 6169-6177. | 2.5 | 18 |

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|---|---|---|---|
| 127 | Carbocisteine Reduces Virus-Induced Pulmonary Inflammation in Mice Exposed to Cigarette Smoke. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 963-973. | 2.9 | 18 |
| 128 | Suppression of SLC11A2 Expression Is Essential to Maintain Duodenal Integrity During Dietary Iron Overload. American Journal of Pathology, 2010, 177, 677-685. | 3.8 | 17 |
| 129 | The BET bromodomain inhibitor exerts the most potent synergistic anticancer effects with quinone-containing compounds and anti-microtubule drugs. Oncotarget, 2016, 7, 79217-79232. | 1.8 | 17 |
| 130 | Synphilin-1-Binding Protein NUB1 is Colocalized With Nonfibrillar, Proteinase K-Resistant Î±-Synuclein in Presynapses in Lewy Body Disease. Journal of Neuropathology and Experimental Neurology, 2011, 70, 879-889. | 1.7 | 15 |
| 131 | Aging and <scp>APOE</scp>â€Îµ4 are determinative factors of plasma AÎ²42 levels. Annals of Clinical and Translational Neurology, 2018, 5, 1184-1191. | 3.7 | 15 |
| 132 | Association between Biomarkers of Cardiovascular Diseases and the Blood Concentration of Carotenoids among the General Population without Apparent Illness. Nutrients, 2020, 12, 2310. | 4.1 | 14 |
| 133 | Blockade of PARâ€1 Signaling Attenuates Cardiac Hypertrophy and Fibrosis in Reninâ€Overexpressing Hypertensive Mice. Journal of the American Heart Association, 2020, 9, e015616. | 3.7 | 13 |
| 134 | Characterization of mitochondrial calpain-5. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118989. | 4.1 | 13 |
| 135 | Genetic ablation of Nrf2 exacerbates neurotoxic effects of acrylamide in mice. Toxicology, 2021, 456, 152785. | 4.2 | 13 |
| 136 | Heavy Ion Beam Irradiation Regulates the mRNA Expression in Megakaryocytopoiesis from Human Hematopoietic Stem/Progenitor Cells. Journal of Radiation Research, 2009, 50, 477-486. | 1.6 | 12 |
| 137 | Prevalence of the mitochondrial 1555 A>G and 1494 C>T mutations in a community-dwelling population in Japan. Human Genome Variation, 2020, 7, 27. | 0.7 | 12 |
| 138 | Distinct Regulations of HO-1 Gene Expression for Stress Response and Substrate Induction. Molecular and Cellular Biology, 2021, 41, e0023621. | 2.3 | 12 |
| 139 | Regulatory Role of the COX-2 Pathway in the Nrf2-Mediated Anti-Inflammatory Response. Journal of Clinical Biochemistry and Nutrition, 2005, 37, 9-18. | 1.4 | 10 |
| 140 | p122 Protein Enhances Intracellular Calcium Increase to Acetylcholine. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1968-1975. | 2.4 | 10 |
| 141 | Increase of Tumor Infiltrating Î³Î´ T-cells in Pancreatic Ductal Adenocarcinoma Through Remodeling of the Extracellular Matrix by a Hyaluronan Synthesis Suppressor, 4-Methylumbelliferone. Pancreas, 2019, 48, 292-298. | 1.1 | 9 |
| 142 | Association of single nucleotide polymorphisms in the NRF2 promoter with vascular stiffness with aging. PLoS ONE, 2020, 15, e0236834. | 2.5 | 9 |
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