Keiko Taguchi

List of Publications by Year
in descending order

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67 papers	8,869 citations	94433 37 h-index	98798 67 g-index
68 all docs	68 docs citations	68 times ranked	14192 citing authors

#	Article	IF	Citations
1	Gene expression changes related to bone mineralization, blood pressure and lipid metabolism in mouse kidneys after space travel. Kidney International, 2022, 101, 92-105.	5.2	11
2	AHR and NRF2 in Skin Homeostasis and Atopic Dermatitis. Antioxidants, 2022, 11, 227.	5.1	22
3	Nrf2 protects against radiation-induced oral mucositis via antioxidation and keratin layer thickening. Free Radical Biology and Medicine, 2022, 188, 206-220.	2.9	9
4	The Î²-TrCP-Mediated Pathway Cooperates with the Keap1-Mediated Pathway in Nrf2 Degradation In Vivo. Molecular and Cellular Biology, 2022, 42, .	2.3	13
5	Cellular Nrf2 Levels Determine Cell Fate during Chemical Carcinogenesis in Esophageal Epithelium. Molecular and Cellular Biology, 2021, 41, .	2.3	11
6	Nrf2 Activation Sensitizes K-Ras Mutant Pancreatic Cancer Cells to Glutaminase Inhibition. International Journal of Molecular Sciences, 2021, 22, 1870.	4.1	19
7	Nuclear Factor Erythroid 2â€“Related Factor 2 Depletion Sensitizes Pancreatic Cancer Cells to Gemcitabine via Aldehyde Dehydrogenase 3a1 Repression. Journal of Pharmacology and Experimental Therapeutics, 2021, 379, 33-40.	2.5	10
8	Nrf2 expression in pancreatic stellate cells promotes progression of cancer. American Journal of Physiology - Renal Physiology, 2021, 321, G378-G388.	3.4	8
9	The KEAP1â€“NRF2 System as a Molecular Target of Cancer Treatment. Cancers, 2021, 13, 46.	3.7	100
10	Nrf2 plays a critical role in the metabolic response during and after spaceflight. Communications Biology, 2021, 4, 1381.	4.4	10
11	Nrf2 in liver toxicology. Archives of Pharmacal Research, 2020, 43, 337-349.	6.3	37
12	Nrf2 contributes to the weight gain of mice during space travel. Communications Biology, 2020, 3, 496.	4.4	27
13	Keap1 deletion accelerates mutant K-ras/p53-driven cholangiocarcinoma. American Journal of Physiology - Renal Physiology, 2020, 318, G419-G427.	3.4	15
14	Aryl Hydrocarbon Receptor Directly Regulates Artemin Gene Expression. Molecular and Cellular Biology, 2019, 39, .	2.3	17
15	Nrf2 Activation Ameliorates Hepatotoxicity Induced by a Heme Synthesis Inhibitor. Toxicological Sciences, 2019, 167, 227-238.	3.1	6
16	Hyperactivation of Nrf2 leads to hypoplasia of bone in vivo. Genes To Cells, 2018, 23, 386-392.	1.2	28
17	Simultaneous K-ras activation and Keap1 deletion cause atrophy of pancreatic parenchyma. American Journal of Physiology - Renal Physiology, 2018, 314, G65-G74.	3.4	19
18	Genetic inactivation of Nrf2 prevents clonal expansion of initiated cells in a nutritional model of rat hepatocarcinogenesis. Journal of Hepatology, 2018, 69, 635-643.	3.7	31

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19	Nrf2 promotes mutant K-ras/p53-driven pancreatic carcinogenesis. Carcinogenesis, 2017, 38, 661-670.	2.8	46
20	The KEAP1â€“NRF2 System in Cancer. Frontiers in Oncology, 2017, 7, 85.	2.8	370
21	Generation of a New Model Rat:Nrf2Knockout Rats Are Sensitive to Aflatoxin B₁Toxicity. Toxicological Sciences, 2016, 152, 40-52.	3.1	58
22	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	12.8	253
23	The Transcription Factor Bach2 Is Phosphorylated at Multiple Sites in Murine B Cells but a Single Site Prevents Its Nuclear Localization. Journal of Biological Chemistry, 2016, 291, 1826-1840.	3.4	29
24	Partial contribution of the Keap1â€“Nrf2 system to cadmium-mediated metallothionein expression in vascular endothelial cells. Toxicology and Applied Pharmacology, 2016, 295, 37-46.	2.8	37
25	Activation of the NRF2 pathway and its impact on the prognosis of anaplastic glioma patients. Neuro-Oncology, 2015, 17, 555-565.	1.2	48
26	Keap1-Nrf2 Regulatory System and Cancer. , 2015, , 269-285.		1
27	The circadian clock regulates rhythmic activation of the NRF2/glutathione-mediated antioxidant defense pathway to modulate pulmonary fibrosis. Genes and Development, 2014, 28, 548-560.	5.9	229
28	Keap1 inhibition attenuates glomerulosclerosis. Nephrology Dialysis Transplantation, 2014, 29, 783-791.	0.7	38
29	NF-E2-related factor 2 promotes compensatory liver hypertrophy after portal vein branch ligation in mice. Hepatology, 2014, 59, 2371-2382.	7.3	28
30	Nrf2 Enhances Cholangiocyte Expansion in Pten-Deficient Livers. Molecular and Cellular Biology, 2014, 34, 900-913.	2.3	85
31	The role of the Nrf2-mediated defense system in corneal epithelial wound healing. Free Radical Biology and Medicine, 2013, 61, 333-342.	2.9	44
32	Critical role of Nrf2 in oxidative stressâ€induced retinal ganglion cell death. Journal of Neurochemistry, 2013, 127, 669-680.	3.9	110
33	Interaction of 9,10-phenanthraquinone with dithiol causes oxidative modification of Cu,Zn-superoxide dismutase (SOD) through redox cycling. Journal of Toxicological Sciences, 2013, 38, 317-324.	1.5	7
34	Keap1 degradation by autophagy for the maintenance of redox homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13561-13566.	7.1	394
35	Metabolic stress response implicated in diabetic retinopathy: The role of calpain, and the therapeutic impact of calpain inhibitor. Neurobiology of Disease, 2012, 48, 556-567.	4.4	57
36	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

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37	Nrf2 Redirects Glucose and Glutamine into Anabolic Pathways in Metabolic Reprogramming. Cancer Cell, 2012, 22, 66-79.	16.8	1,113
38	Initial Response and Cellular Protection through the Keap1/Nrf2 System during the Exposure of Primary Mouse Hepatocytes to 1,2-Naphthoquinone. Chemical Research in Toxicology, 2011, 24, 559-567.	3.3	52
39	Inducible disruption of autophagy in the lung causes airway hyper-responsiveness. Biochemical and Biophysical Research Communications, 2011, 405, 13-18.	2.1	41
40	Two-Electron Quinone Reductase (Aldo-keto Reductase 1C Isozyme) Augments the Oxidative DNA Damage Induced by Quinones in Diesel Exhaust Particles by Accelerating Redox Cycling. Journal of Health Science, 2011, 57, 107-114.	0.9	1
41	Molecular mechanisms of the Keap1-Nrf2 pathway in stress response and cancer evolution. Genes To Cells, 2011, 16, 123-140.	1.2	1,215
42	Constitutive activation of nuclear factorâ€E2â€related factor 2 induces biotransformation enzyme and transporter expression in livers of mice with hepatocyteâ€specific deletion of Kelchâ€like ECHâ€associated protein 1. Journal of Biochemical and Molecular Toxicology, 2011, 25, 320-329.	3.0	12
43	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. Nature Cell Biology, 2010, 12, 213-223.	10.3	1,933
44	Nrf2-deficiency creates a responsive microenvironment for metastasis to the lung. Carcinogenesis, 2010, 31, 1833-1843.	2.8	181
45	The Transcriptome of Nrf2â^'/â^' Mice Provides Evidence for Impaired Cell Cycle Progression in the Development of Cigarette Smokeâ€"Induced Emphysematous Changes. Toxicological Sciences, 2010, 115, 238-252.	3.1	56
46	Genetic Analysis of Cytoprotective Functions Supported by Graded Expression of Keap1. Molecular and Cellular Biology, 2010, 30, 3016-3026.	2.3	198
47	Ubiquitin accumulation in autophagy-deficient mice is dependent on the Nrf2-mediated stress response pathway: a potential role for protein aggregation in autophagic substrate selection. Journal of Cell Biology, 2010, 191, 537-552.	5.2	156
48	Deletion of nuclear factor-E2-related factor-2 leads to rapid onset and progression of nutritional steatohepatitis in mice. American Journal of Physiology - Renal Physiology, 2010, 298, G283-G294.	3.4	132
49	1-Cyano-2,3-epithiopropane is a novel plant-derived chemopreventive agent which induces cytoprotective genes that afford resistance against the genotoxic Â,Â-unsaturated aldehyde acrolein. Carcinogenesis, 2009, 30, 1754-1762.	2.8	36
50	Genetic versus chemoprotective activation of Nrf2 signaling: overlapping yet distinct gene expression profiles between Keap1 knockout and triterpenoid-treated mice. Carcinogenesis, 2009, 30, 1024-1031.	2.8	243
51	Nrf2 counteracts cholestatic liver injury via stimulation of hepatic defense systems. Biochemical and Biophysical Research Communications, 2009, 389, 431-436.	2.1	75
52	Oxidative Stress-Dependent Cellular Toxicity and Cytoprotection during Exposure to 9, 10-phenanthraquinone, a Component of Diesel Exhaust Particles. Journal of Health Science, 2009, 55, 347-350.	0.9	3
53	Oxidative Stress More Strongly Induced by ortho- Than para-quinoid Polycyclic Aromatic Hydrocarbons in A549 Cells. Journal of Health Science, 2009, 55, 845-850.	0.9	59
54	Redox cycling of 9,10-phenanthraquinone to cause oxidative stress is terminated through its monoglucuronide conjugation in human pulmonary epithelial A549 cells. Free Radical Biology and Medicine, 2008, 44, 1645-1655.	2.9	56

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55	Ursodeoxycholic acid stimulates Nrf2-mediated hepatocellular transport, detoxification, and antioxidative stress systems in mice. American Journal of Physiology - Renal Physiology, 2008, 295, G735-G747.	3.4	121
56	Genetic or Pharmacologic Amplification of Nrf2 Signaling Inhibits Acute Inflammatory Liver Injury in Mice. Toxicological Sciences, 2008, 104, 218-227.	3.1	143
57	Cytoprotective role of Nrf2/Keap1 system in methylmercury toxicity. Biochemical and Biophysical Research Communications, 2007, 363, 645-650.	2.1	122
58	An approach to evaluate two-electron reduction of 9,10-phenanthraquinone and redox activity of the hydroquinone associated with oxidative stress. Free Radical Biology and Medicine, 2007, 43, 789-799.	2.9	66
59	Toxicological Effects of Polycyclic Aromatic Hydrocarbon Quinones Contaminated in Diesel Exhaust Particles. Asian Journal of Atmospheric Environment, 2007, 1, 28-35.	1.1	4
60	Inhibition of endothelial nitric oxide synthase activity and suppression of endothelium-dependent vasorelaxation by 1,2-naphthoquinone, a component of diesel exhaust particles. Archives of Toxicology, 2006, 80, 280-285.	4.2	34
61	1,2-Naphthoquinone activates vanilloid receptor 1 through increased protein tyrosine phosphorylation, leading to contraction of guinea pig trachea. Toxicology and Applied Pharmacology, 2006, 210, 47-54.	2.8	48
62	Monomethylarsonous Acid Inhibits Endothelial Nitric Oxide Synthase Activity. Journal of Health Science, 2005, 51, 728-730.	0.9	7
63	The interactions of 9,10-phenanthrenequinone with glyceraldehyde-3-phosphate dehydrogenase (GAPDH), a potential site for toxic actions. Chemico-Biological Interactions, 2005, 155, 97-110.	4.0	81
64	Decreased enzyme activity of hepatic thioredoxin reductase and glutathione reductase in rabbits by prolonged exposure to inorganic arsenate. Environmental Toxicology, 2003, 18, 306-311.	4.0	18
65	Oxidative-stress-inducible qorA encodes an NADPH-dependent quinone oxidoreductase catalysing a one-electron reduction in Staphylococcus aureus. Microbiology (United Kingdom), 2003, 149, 389-398.	1.8	39
66	Oxidation of Proximal Protein Sulfhydryls by Phenanthraquinone, a Component of Diesel Exhaust Particles. Chemical Research in Toxicology, 2002, 15, 483-489.	3.3	314
67	Phenanthraquinone Affects Endothelial Nitric Oxide Synthase Activity through Modification of the Thiol Group: An Alternative Inhibition Mechanism.. Journal of Health Science, 2001, 47, 571-574.	0.9	15