

Keiko Taguchi

List of Publications by Year in descending order

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67
papers

8,869
citations

94381

37
h-index

98753

67
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68
all docs

68
docs citations

68
times ranked

14192
citing authors

#	ARTICLE	IF	CITATIONS
1	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. <i>Nature Cell Biology</i> , 2010, 12, 213-223.	4.6	1,933
2	Molecular mechanisms of the Keap1-Nrf2 pathway in stress response and cancer evolution. <i>Genes To Cells</i> , 2011, 16, 123-140.	0.5	1,215
3	Nrf2 Redirects Glucose and Glutamine into Anabolic Pathways in Metabolic Reprogramming. <i>Cancer Cell</i> , 2012, 22, 66-79.	7.7	1,113
4	Keap1 degradation by autophagy for the maintenance of redox homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13561-13566.	3.3	394
5	The KEAP1-NRF2 System in Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 85.	1.3	370
6	Oxidation of Proximal Protein Sulfhydryls by Phenanthraquinone, a Component of Diesel Exhaust Particles. <i>Chemical Research in Toxicology</i> , 2002, 15, 483-489.	1.7	314
7	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016, 7, 12030.	5.8	253
8	Genetic versus chemoprotective activation of Nrf2 signaling: overlapping yet distinct gene expression profiles between Keap1 knockout and triterpenoid-treated mice. <i>Carcinogenesis</i> , 2009, 30, 1024-1031.	1.3	243
9	The circadian clock regulates rhythmic activation of the NRF2/glutathione-mediated antioxidant defense pathway to modulate pulmonary fibrosis. <i>Genes and Development</i> , 2014, 28, 548-560.	2.7	229
10	Genetic Analysis of Cytoprotective Functions Supported by Graded Expression of Keap1. <i>Molecular and Cellular Biology</i> , 2010, 30, 3016-3026.	1.1	198
11	Nrf2-deficiency creates a responsive microenvironment for metastasis to the lung. <i>Carcinogenesis</i> , 2010, 31, 1833-1843.	1.3	181
12	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. <i>Journal of Cell Biology</i> , 2010, 191, 537-552.	2.3	156
13	Genetic or Pharmacologic Amplification of Nrf2 Signaling Inhibits Acute Inflammatory Liver Injury in Mice. <i>Toxicological Sciences</i> , 2008, 104, 218-227.	1.4	143
14	Deletion of nuclear factor-E2-related factor-2 leads to rapid onset and progression of nutritional steatohepatitis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G283-G294.	1.6	132
15	Cytoprotective role of Nrf2/Keap1 system in methylmercury toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 645-650.	1.0	122
16	Ursodeoxycholic acid stimulates Nrf2-mediated hepatocellular transport, detoxification, and antioxidative stress systems in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G735-G747.	1.6	121
17	Critical role of Nrf2 in oxidative stress-induced retinal ganglion cell death. <i>Journal of Neurochemistry</i> , 2013, 127, 669-680.	2.1	110
18	The KEAP1-NRF2 System as a Molecular Target of Cancer Treatment. <i>Cancers</i> , 2021, 13, 46.	1.7	100

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19	Nrf2 Enhances Cholangiocyte Expansion in Pten-Deficient Livers. <i>Molecular and Cellular Biology</i> , 2014, 34, 900-913.	1.1	85
20	The interactions of 9,10-phenanthrenequinone with glyceraldehyde-3-phosphate dehydrogenase (GAPDH), a potential site for toxic actions. <i>Chemico-Biological Interactions</i> , 2005, 155, 97-110.	1.7	81
21	Nrf2 counteracts cholestatic liver injury via stimulation of hepatic defense systems. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 431-436.	1.0	75
22	Nrf2 inhibits hepatic iron accumulation and counteracts oxidative stress-induced liver injury in nutritional steatohepatitis. <i>Journal of Gastroenterology</i> , 2012, 47, 924-935.	2.3	67
23	An approach to evaluate two-electron reduction of 9,10-phenanthraquinone and redox activity of the hydroquinone associated with oxidative stress. <i>Free Radical Biology and Medicine</i> , 2007, 43, 789-799.	1.3	66
24	Oxidative Stress More Strongly Induced by ortho- Than para-quinoid Polycyclic Aromatic Hydrocarbons in A549 Cells. <i>Journal of Health Science</i> , 2009, 55, 845-850.	0.9	59
25	Generation of a New Model Rat: <i>Nrf2</i> Knockout Rats Are Sensitive to Aflatoxin B ₁ Toxicity. <i>Toxicological Sciences</i> , 2016, 152, 40-52.	1.4	58
26	Metabolic stress response implicated in diabetic retinopathy: The role of calpain, and the therapeutic impact of calpain inhibitor. <i>Neurobiology of Disease</i> , 2012, 48, 556-567.	2.1	57
27	Redox cycling of 9,10-phenanthraquinone to cause oxidative stress is terminated through its monoglucuronide conjugation in human pulmonary epithelial A549 cells. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1645-1655.	1.3	56
28	The Transcriptome of <i>Nrf2</i> ^{-/-} Mice Provides Evidence for Impaired Cell Cycle Progression in the Development of Cigarette Smoke-Induced Emphysematous Changes. <i>Toxicological Sciences</i> , 2010, 115, 238-252.	1.4	56
29	Initial Response and Cellular Protection through the Keap1/Nrf2 System during the Exposure of Primary Mouse Hepatocytes to 1,2-Naphthoquinone. <i>Chemical Research in Toxicology</i> , 2011, 24, 559-567.	1.7	52
30	1,2-Naphthoquinone activates vanilloid receptor 1 through increased protein tyrosine phosphorylation, leading to contraction of guinea pig trachea. <i>Toxicology and Applied Pharmacology</i> , 2006, 210, 47-54.	1.3	48
31	Activation of the NRF2 pathway and its impact on the prognosis of anaplastic glioma patients. <i>Neuro-Oncology</i> , 2015, 17, 555-565.	0.6	48
32	Nrf2 promotes mutant K-ras/p53-driven pancreatic carcinogenesis. <i>Carcinogenesis</i> , 2017, 38, 661-670.	1.3	46
33	The role of the Nrf2-mediated defense system in corneal epithelial wound healing. <i>Free Radical Biology and Medicine</i> , 2013, 61, 333-342.	1.3	44
34	Inducible disruption of autophagy in the lung causes airway hyper-responsiveness. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 13-18.	1.0	41
35	Oxidative-stress-inducible qorA encodes an NADPH-dependent quinone oxidoreductase catalysing a one-electron reduction in <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 389-398.	0.7	39
36	Keap1 inhibition attenuates glomerulosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 783-791.	0.4	38

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37	Partial contribution of the Keap1-Nrf2 system to cadmium-mediated metallothionein expression in vascular endothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2016, 295, 37-46.	1.3	37
38	Nrf2 in liver toxicology. <i>Archives of Pharmacal Research</i> , 2020, 43, 337-349.	2.7	37
39	1-Cyano-2,3-epithiopropene is a novel plant-derived chemopreventive agent which induces cytoprotective genes that afford resistance against the genotoxic α,β -unsaturated aldehyde acrolein. <i>Carcinogenesis</i> , 2009, 30, 1754-1762.	1.3	36
40	Inhibition of endothelial nitric oxide synthase activity and suppression of endothelium-dependent vasorelaxation by 1,2-naphthoquinone, a component of diesel exhaust particles. <i>Archives of Toxicology</i> , 2006, 80, 280-285.	1.9	34
41	Genetic inactivation of Nrf2 prevents clonal expansion of initiated cells in a nutritional model of rat hepatocarcinogenesis. <i>Journal of Hepatology</i> , 2018, 69, 635-643.	1.8	31
42	The Transcription Factor Bach2 Is Phosphorylated at Multiple Sites in Murine B Cells but a Single Site Prevents Its Nuclear Localization. <i>Journal of Biological Chemistry</i> , 2016, 291, 1826-1840.	1.6	29
43	NF-E2-related factor 2 promotes compensatory liver hypertrophy after portal vein branch ligation in mice. <i>Hepatology</i> , 2014, 59, 2371-2382.	3.6	28
44	Hyperactivation of Nrf2 leads to hypoplasia of bone in vivo. <i>Genes To Cells</i> , 2018, 23, 386-392.	0.5	28
45	Nrf2 contributes to the weight gain of mice during space travel. <i>Communications Biology</i> , 2020, 3, 496.	2.0	27
46	AHR and NRF2 in Skin Homeostasis and Atopic Dermatitis. <i>Antioxidants</i> , 2022, 11, 227.	2.2	22
47	Simultaneous <i>K-ras</i> activation and <i>Keap1</i> deletion cause atrophy of pancreatic parenchyma. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G65-G74.	1.6	19
48	Nrf2 Activation Sensitizes K-Ras Mutant Pancreatic Cancer Cells to Glutaminase Inhibition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1870.	1.8	19
49	Decreased enzyme activity of hepatic thioredoxin reductase and glutathione reductase in rabbits by prolonged exposure to inorganic arsenate. <i>Environmental Toxicology</i> , 2003, 18, 306-311.	2.1	18
50	Aryl Hydrocarbon Receptor Directly Regulates <i>Artemin</i> Gene Expression. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	17
51	Phenanthraquinone Affects Endothelial Nitric Oxide Synthase Activity through Modification of the Thiol Group: An Alternative Inhibition Mechanism.. <i>Journal of Health Science</i> , 2001, 47, 571-574.	0.9	15
52	<i>Keap1</i> deletion accelerates mutant <i>K-ras</i> / <i>p53</i> -driven cholangiocarcinoma. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G419-G427.	1.6	15
53	The β -TrCP-Mediated Pathway Cooperates with the Keap1-Mediated Pathway in Nrf2 Degradation <i>In Vivo</i> . <i>Molecular and Cellular Biology</i> , 2022, 42, .	1.1	13
54	Constitutive activation of nuclear factor- κ B-related factor 2 induces biotransformation enzyme and transporter expression in livers of mice with hepatocyte-specific deletion of <i>Kelch-like ECH-associated protein 1</i> . <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 320-329.	1.4	12

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55	Cellular Nrf2 Levels Determine Cell Fate during Chemical Carcinogenesis in Esophageal Epithelium. <i>Molecular and Cellular Biology</i> , 2021, 41, .	1.1	11
56	Gene expression changes related to bone mineralization, blood pressure and lipid metabolism in mouse kidneys after space travel. <i>Kidney International</i> , 2022, 101, 92-105.	2.6	11
57	Nuclear Factor Erythroid 2-Related Factor 2 Depletion Sensitizes Pancreatic Cancer Cells to Gemcitabine via Aldehyde Dehydrogenase 3a1 Repression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 379, 33-40.	1.3	10
58	Nrf2 plays a critical role in the metabolic response during and after spaceflight. <i>Communications Biology</i> , 2021, 4, 1381.	2.0	10
59	Nrf2 protects against radiation-induced oral mucositis via antioxidation and keratin layer thickening. <i>Free Radical Biology and Medicine</i> , 2022, 188, 206-220.	1.3	9
60	Nrf2 expression in pancreatic stellate cells promotes progression of cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G378-G388.	1.6	8
61	Monomethylarsonous Acid Inhibits Endothelial Nitric Oxide Synthase Activity. <i>Journal of Health Science</i> , 2005, 51, 728-730.	0.9	7
62	Interaction of 9,10-phenanthraquinone with dithiol causes oxidative modification of Cu,Zn-superoxide dismutase (SOD) through redox cycling. <i>Journal of Toxicological Sciences</i> , 2013, 38, 317-324.	0.7	7
63	Nrf2 Activation Ameliorates Hepatotoxicity Induced by a Heme Synthesis Inhibitor. <i>Toxicological Sciences</i> , 2019, 167, 227-238.	1.4	6
64	Toxicological Effects of Polycyclic Aromatic Hydrocarbon Quinones Contaminated in Diesel Exhaust Particles. <i>Asian Journal of Atmospheric Environment</i> , 2007, 1, 28-35.	0.4	4
65	Oxidative Stress-Dependent Cellular Toxicity and Cytoprotection during Exposure to 9, 10-phenanthraquinone, a Component of Diesel Exhaust Particles. <i>Journal of Health Science</i> , 2009, 55, 347-350.	0.9	3
66	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. <i>Journal of Health Science</i> , 2011, 57, 107-114.	0.9	1
67	Keap1-Nrf2 Regulatory System and Cancer. , 2015, , 269-285.		1