Takafumi Suzuki

List of Publications by Year
in descending order

53	7,720	109137 35	174990 52
papers	citations	h-index	g-index

55	55	55	10172
all docs	docs citations	times ranked	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.	2.6	11
2	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2. IScience, 2022, 25, 103703.	1.9	11
3	Novel method for evaluating the health condition of mice in space through a video downlink. Experimental Animals, 2021, 70, 236-244.	0.7	4
4	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
5	Molecular basis for the disruption of Keap1â€“Nrf2 interaction via Hinge & Latch mechanism. Communications Biology, 2021, 4, 576.	2.0	84
6	Nuclear factor E2-related factor 2 (NRF2) deficiency accelerates fast fibre type transition in soleus muscle during space flight. Communications Biology, 2021, 4, 787.	2.0	17
7	Distinct Regulations of HO-1 Gene Expression for Stress Response and Substrate Induction. Molecular and Cellular Biology, 2021, 41, e0023621.	1.1	12
8	Nrf2 plays a critical role in the metabolic response during and after spaceflight. Communications Biology, 2021, 4, 1381.	2.0	10
9	Environmental pollutants and the immune response. Nature Immunology, 2020, 21, 1486-1495.	7.0	143
10	Geldanamycin-Derived HSP90 Inhibitors Are Synthetic Lethal with NRF2. Molecular and Cellular Biology, 2020, 40, .	1.1	24
11	Nrf2 contributes to the weight gain of mice during space travel. Communications Biology, 2020, 3, 496.	2.0	27
12	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. Cell Reports, 2019, 28, 746-758.e4.	2.9	179
13	Bardoxolone methyl analog attenuates proteinuriaâ€induced tubular damage by modulating mitochondrial function. FASEB Journal, 2019, 33, 12253-12263.	0.2	28
14	Phenethyl Isothiocyanate, a Dual Activator of Transcription Factors NRF2 and HSF1. Molecular Nutrition and Food Research, 2018, 62, e1700908.	1.5	40
15	Hyperactivation of Nrf2 leads to hypoplasia of bone in vivo. Genes To Cells, 2018, 23, 386-392.	0.5	28
16	Structural instability of Î²B kinase Î² promotes autophagic degradation through enhancement of Keap1 binding. PLoS ONE, 2018, 13, e0203978.	1.1	4
17	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
18	Macrophages Switch Their Phenotype by Regulating Maf Expression during Different Phases of Inflammation. Journal of Immunology, 2018, 201, 635-651.	0.4	33

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19	Hyperactivation of Nrf2 in early tubular development induces nephrogenic diabetes insipidus. Nature Communications, 2017, 8, 14577.	5.8	64
20	The novel Nrf2 inducer TFM-735 ameliorates experimental autoimmune encephalomyelitis in mice. European Journal of Pharmacology, 2017, 802, 76-84.	1.7	32
21	Stress-sensing mechanisms and the physiological roles of the Keap1â€“Nrf2 system during cellular stress. Journal of Biological Chemistry, 2017, 292, 16817-16824.	1.6	311
22	Infiltration of M1, but not M2, macrophages is impaired after unilateral ureter obstruction in Nrf2-deficient mice. Scientific Reports, 2017, 7, 8801.	1.6	38
23	Transcription factor Nrf2 hyperactivation in early-phase renal ischemia-reperfusion injury prevents tubular damage progression. Kidney International, 2017, 91, 387-401.	2.6	154
24	The aryl hydrocarbon receptor AhR links atopic dermatitis and air pollution via induction of the neurotrophic factor artemin. Nature Immunology, 2017, 18, 64-73.	7.0	204
25	Absolute Amounts and Status of the Nrf2-Keap1-Cul3 Complex within Cells. Molecular and Cellular Biology, 2016, 36, 3100-3112.	1.1	88
26	Nrf2 suppresses macrophage inflammatory response by blocking proinflammatory cytokine transcription. Nature Communications, 2016, 7, 11624.	5.8	1,238
27	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	5.8	253
28	Characterizations of Three Major Cysteine Sensors of Keap1 in Stress Response. Molecular and Cellular Biology, 2016, 36, 271-284.	1.1	203
29	Molecular basis of the Keap1â€“Nrf2 system. Free Radical Biology and Medicine, 2015, 88, 93-100.	1.3	762
30	The subcellular localization and activity of cortactin is regulated by acetylation and interaction with Keap1. Science Signaling, 2015, 8, ra120.	1.6	48
31	Keap1 inhibition attenuates glomerulosclerosis. Nephrology Dialysis Transplantation, 2014, 29, 783-791.	0.4	38
32	Myeloid Lineageâ€“Specific Deletion of Antioxidant System Enhances Tumor Metastasis. Cancer Prevention Research, 2014, 7, 835-844.	0.7	81
33	Toward clinical application of the Keap1â€“Nrf2 pathway. Trends in Pharmacological Sciences, 2013, 34, 340-346.	4.0	564
34	Roles of Keap1â€“Nrf2 System in Upper Aerodigestive Tract Carcinogenesis. Cancer Prevention Research, 2013, 6, 149-159.	0.7	65
35	Regulatory Nexus of Synthesis and Degradation Deciphers Cellular Nrf2 Expression Levels. Molecular and Cellular Biology, 2013, 33, 2402-2412.	1.1	101
36	Roles Nrf2 Plays in Myeloid Cells and Related Disorders. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-7.	1.9	84

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37	Validation of the multiple sensor mechanism of the Keap1-Nrf2 system. Free Radical Biology and Medicine, 2012, 53, 817-827.	1.3	227
38	Mitochondrial SKN-1/Nrf Mediates a Conserved Starvation Response. Cell Metabolism, 2012, 16, 526-537.	7.2	149
39	Nrf2 and selenoproteins are essential for maintaining oxidative homeostasis in erythrocytes and protecting against hemolytic anemia. Blood, 2011, 117, 986-996.	0.6	52
40	Select Heterozygous Keap1 Mutations Have a Dominant-Negative Effect on Wild-Type Keap1 In Vivo. Cancer Research, 2011, 71, 1700-1709.	0.4	46
41	Nrf2-deficiency creates a responsive microenvironment for metastasis to the lung. Carcinogenesis, 2010, 31, 1833-1843.	1.3	181
42	Genetic Analysis of Cytoprotective Functions Supported by Graded Expression of Keap1. Molecular and Cellular Biology, 2010, 30, 3016-3026.	1.1	198
43	Global Downstream Pathway Analysis Reveals a Dependence of Oncogenic NF-E2â€“Related Factor 2 Mutation on the mTOR Growth Signaling Pathway. Cancer Research, 2010, 70, 9095-9105.	0.4	106
44	Loss of Keap1 Function Activates Nrf2 and Provides Advantages for Lung Cancer Cell Growth. Cancer Research, 2008, 68, 1303-1309.	0.4	559
45	Physiological Significance of Reactive Cysteine Residues of Keap1 in Determining Nrf2 Activity. Molecular and Cellular Biology, 2008, 28, 2758-2770.	1.1	441
46	Deletion of the Selenocysteine tRNA Gene in Macrophages and Liver Results in Compensatory Gene Induction of Cytoprotective Enzymes by Nrf2. Journal of Biological Chemistry, 2008, 283, 2021-2030.	1.6	76
47	The Distal Sequence Element of the Selenocysteine tRNA Gene Is a Tissue-Dependent Enhancer Essential for Mouse Embryogenesis. Molecular and Cellular Biology, 2005, 25, 3658-3669.	1.1	16
48	Pi class glutathione S-transferase genes are regulated by Nrf 2 through an evolutionarily conserved regulatory element in zebrafish. Biochemical Journal, 2005, 388, 65-73.	1.7	94
49	MafT, a new member of the small Maf protein family in zebrafish. Biochemical and Biophysical Research Communications, 2004, 320, 62-69.	1.0	47
50	Identification of the interactive interface and phylogenic conservation of the Nrf2-Keap1 system. Genes To Cells, 2002, 7, 807-820.	0.5	298
51	The Homeobox Protein Six3 Interacts with the Groucho Corepressor and Acts as a Transcriptional Repressor in Eye and Forebrain Formation. Developmental Biology, 2001, 232, 315-326.	0.9	162
52	The Isoquinoline PRL-295 Increases the Thermostability of Keap1 and Disrupts Its Interaction with Nrf2. SSRN Electronic Journal, 0, , .	0.4	0
53	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. SSRN Electronic Journal, 0, , .	0.4	0