

# Takafumi Suzuki

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

7,720  
citations

109137

35  
h-index

174990

52  
g-index

55  
all docs

55  
docs citations

55  
times ranked

10172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nrf2 suppresses macrophage inflammatory response by blocking proinflammatory cytokine transcription. <i>Nature Communications</i> , 2016, 7, 11624.	5.8	1,238
2	Molecular basis of the Keap1-Nrf2 system. <i>Free Radical Biology and Medicine</i> , 2015, 88, 93-100.	1.3	762
3	Toward clinical application of the Keap1-Nrf2 pathway. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 340-346.	4.0	564
4	Loss of Keap1 Function Activates Nrf2 and Provides Advantages for Lung Cancer Cell Growth. <i>Cancer Research</i> , 2008, 68, 1303-1309.	0.4	559
5	Physiological Significance of Reactive Cysteine Residues of Keap1 in Determining Nrf2 Activity. <i>Molecular and Cellular Biology</i> , 2008, 28, 2758-2770.	1.1	441
6	Stress-sensing mechanisms and the physiological roles of the Keap1-Nrf2 system during cellular stress. <i>Journal of Biological Chemistry</i> , 2017, 292, 16817-16824.	1.6	311
7	Identification of the interactive interface and phylogenic conservation of the Nrf2-Keap1 system. <i>Genes To Cells</i> , 2002, 7, 807-820.	0.5	298
8	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016, 7, 12030.	5.8	253
9	Validation of the multiple sensor mechanism of the Keap1-Nrf2 system. <i>Free Radical Biology and Medicine</i> , 2012, 53, 817-827.	1.3	227
10	The aryl hydrocarbon receptor AhR links atopic dermatitis and air pollution via induction of the neurotrophic factor artemin. <i>Nature Immunology</i> , 2017, 18, 64-73.	7.0	204
11	Characterizations of Three Major Cysteine Sensors of Keap1 in Stress Response. <i>Molecular and Cellular Biology</i> , 2016, 36, 271-284.	1.1	203
12	Genetic Analysis of Cytoprotective Functions Supported by Graded Expression of Keap1. <i>Molecular and Cellular Biology</i> , 2010, 30, 3016-3026.	1.1	198
13	Nrf2-deficiency creates a responsive microenvironment for metastasis to the lung. <i>Carcinogenesis</i> , 2010, 31, 1833-1843.	1.3	181
14	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. <i>Cell Reports</i> , 2019, 28, 746-758.e4.	2.9	179
15	The Homeobox Protein Six3 Interacts with the Groucho Corepressor and Acts as a Transcriptional Repressor in Eye and Forebrain Formation. <i>Developmental Biology</i> , 2001, 232, 315-326.	0.9	162
16	Transcription factor Nrf2 hyperactivation in early-phase renal ischemia-reperfusion injury prevents tubular damage progression. <i>Kidney International</i> , 2017, 91, 387-401.	2.6	154
17	Mitochondrial SKN-1/Nrf Mediates a Conserved Starvation Response. <i>Cell Metabolism</i> , 2012, 16, 526-537.	7.2	149
18	Environmental pollutants and the immune response. <i>Nature Immunology</i> , 2020, 21, 1486-1495.	7.0	143

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19	Global Downstream Pathway Analysis Reveals a Dependence of Oncogenic NF-E2-Related Factor 2 Mutation on the mTOR Growth Signaling Pathway. <i>Cancer Research</i> , 2010, 70, 9095-9105.	0.4	106
20	Regulatory Nexus of Synthesis and Degradation Deciphers Cellular Nrf2 Expression Levels. <i>Molecular and Cellular Biology</i> , 2013, 33, 2402-2412.	1.1	101
21	Pi class glutathione S-transferase genes are regulated by Nrf 2 through an evolutionarily conserved regulatory element in zebrafish. <i>Biochemical Journal</i> , 2005, 388, 65-73.	1.7	94
22	Absolute Amounts and Status of the Nrf2-Keap1-Cul3 Complex within Cells. <i>Molecular and Cellular Biology</i> , 2016, 36, 3100-3112.	1.1	88
23	Roles Nrf2 Plays in Myeloid Cells and Related Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-7.	1.9	84
24	Molecular basis for the disruption of Keap1-Nrf2 interaction via Hinge & Latch mechanism. <i>Communications Biology</i> , 2021, 4, 576.	2.0	84
25	Myeloid Lineage-Specific Deletion of Antioxidant System Enhances Tumor Metastasis. <i>Cancer Prevention Research</i> , 2014, 7, 835-844.	0.7	81
26	Deletion of the Selenocysteine tRNA Gene in Macrophages and Liver Results in Compensatory Gene Induction of Cytoprotective Enzymes by Nrf2. <i>Journal of Biological Chemistry</i> , 2008, 283, 2021-2030.	1.6	76
27	Roles of Keap1-Nrf2 System in Upper Aerodigestive Tract Carcinogenesis. <i>Cancer Prevention Research</i> , 2013, 6, 149-159.	0.7	65
28	Hyperactivation of Nrf2 in early tubular development induces nephrogenic diabetes insipidus. <i>Nature Communications</i> , 2017, 8, 14577.	5.8	64
29	C151 in KEAP1 is the main cysteine sensor for the cyanoenone class of NRF2 activators, irrespective of molecular size or shape. <i>Scientific Reports</i> , 2018, 8, 8037.	1.6	58
30	Nrf2 and selenoproteins are essential for maintaining oxidative homeostasis in erythrocytes and protecting against hemolytic anemia. <i>Blood</i> , 2011, 117, 986-996.	0.6	52
31	The subcellular localization and activity of cortactin is regulated by acetylation and interaction with Keap1. <i>Science Signaling</i> , 2015, 8, ra120.	1.6	48
32	MafT, a new member of the small Maf protein family in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 62-69.	1.0	47
33	Select Heterozygous Keap1 Mutations Have a Dominant-Negative Effect on Wild-Type Keap1 In Vivo. <i>Cancer Research</i> , 2011, 71, 1700-1709.	0.4	46
34	Phenethyl Isothiocyanate, a Dual Activator of Transcription Factors NRF2 and HSF1. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700908.	1.5	40
35	Keap1 inhibition attenuates glomerulosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 783-791.	0.4	38
36	Infiltration of M1, but not M2, macrophages is impaired after unilateral ureter obstruction in Nrf2-deficient mice. <i>Scientific Reports</i> , 2017, 7, 8801.	1.6	38

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37	Macrophages Switch Their Phenotype by Regulating Maf Expression during Different Phases of Inflammation. <i>Journal of Immunology</i> , 2018, 201, 635-651.	0.4	33
38	The novel Nrf2 inducer TFM-735 ameliorates experimental autoimmune encephalomyelitis in mice. <i>European Journal of Pharmacology</i> , 2017, 802, 76-84.	1.7	32
39	Hyperactivation of Nrf2 leads to hypoplasia of bone in vivo. <i>Genes To Cells</i> , 2018, 23, 386-392.	0.5	28
40	Bardoxolone methyl analog attenuates proteinuria-induced tubular damage by modulating mitochondrial function. <i>FASEB Journal</i> , 2019, 33, 12253-12263.	0.2	28
41	Nrf2 contributes to the weight gain of mice during space travel. <i>Communications Biology</i> , 2020, 3, 496.	2.0	27
42	Nrf2 is activated by disruption of mitochondrial thiol homeostasis but not by enhanced mitochondrial superoxide production. <i>Journal of Biological Chemistry</i> , 2021, 296, 100169.	1.6	25
43	Geldanamycin-Derived HSP90 Inhibitors Are Synthetic Lethal with NRF2. <i>Molecular and Cellular Biology</i> , 2020, 40, .	1.1	24
44	Nuclear factor E2-related factor 2 (NRF2) deficiency accelerates fast fibre type transition in soleus muscle during space flight. <i>Communications Biology</i> , 2021, 4, 787.	2.0	17
45	The Distal Sequence Element of the Selenocysteine tRNA Gene Is a Tissue-Dependent Enhancer Essential for Mouse Embryogenesis. <i>Molecular and Cellular Biology</i> , 2005, 25, 3658-3669.	1.1	16
46	Distinct Regulations of HO-1 Gene Expression for Stress Response and Substrate Induction. <i>Molecular and Cellular Biology</i> , 2021, 41, e0023621.	1.1	12
47	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
48	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2. <i>IScience</i> , 2022, 25, 103703.	1.9	11
49	Nrf2 plays a critical role in the metabolic response during and after spaceflight. <i>Communications Biology</i> , 2021, 4, 1381.	2.0	10
50	Structural instability of Î²B kinase Î² promotes autophagic degradation through enhancement of Keap1 binding. <i>PLoS ONE</i> , 2018, 13, e0203978.	1.1	4
51	Novel method for evaluating the health condition of mice in space through a video downlink. <i>Experimental Animals</i> , 2021, 70, 236-244.	0.7	4
52	The Isoquinoline PRL-295 Increases the Thermostability of Keap1 and Disrupts Its Interaction with Nrf2. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
53	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0