

# Jun Un Ninomiya-Tsuji

## List of Publications by Year in descending order

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87  
papers

10,723  
citations

44042

48  
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54882

84  
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87  
docs citations

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times ranked

11472  
citing authors

#	ARTICLE	IF	CITATIONS
1	The kinase TAK1 can activate the NIK- $\hat{\text{I}}^{\text{B}}$ as well as the MAP kinase cascade in the IL-1 signalling pathway. <i>Nature</i> , 1999, 398, 252-256.	13.7	1,118
2	Essential function for the kinase TAK1 in innate and adaptive immune responses. <i>Nature Immunology</i> , 2005, 6, 1087-1095.	7.0	839
3	The TAK1- $\hat{\text{NLK}}$ -MAPK-related pathway antagonizes signalling between $\hat{\text{I}}^2$ -catenin and transcription factor TCF. <i>Nature</i> , 1999, 399, 798-802.	13.7	569
4	TAB2, a Novel Adaptor Protein, Mediates Activation of TAK1 MAPKKK by Linking TAK1 to TRAF6 in the IL-1 Signal Transduction Pathway. <i>Molecular Cell</i> , 2000, 5, 649-658.	4.5	555
5	The TAK1-NLK Mitogen-Activated Protein Kinase Cascade Functions in the Wnt-5a/Ca <sup>2+</sup> Pathway To Antagonize Wnt/ $\hat{\text{I}}^2$ -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 131-139.	1.1	503
6	Involvement of the p38 Mitogen-activated Protein Kinase Pathway in Transforming Growth Factor- $\hat{\text{I}}^2$ -induced Gene Expression. <i>Journal of Biological Chemistry</i> , 1999, 274, 27161-27167.	1.6	407
7	A Resorcylic Acid Lactone, 5Z-7-Oxozeaenol, Prevents Inflammation by Inhibiting the Catalytic Activity of TAK1 MAPK Kinase Kinase. <i>Journal of Biological Chemistry</i> , 2003, 278, 18485-18490.	1.6	374
8	TAK1 is Critical for $\hat{\text{I}}^{\text{B}}$ Kinase-mediated Activation of the NF- $\hat{\text{I}}^{\text{B}}$ Pathway. <i>Journal of Molecular Biology</i> , 2003, 326, 105-115.	2.0	353
9	XIAP, a cellular member of the inhibitor of apoptosis protein family, links the receptors to TAB1-TAK1 in the BMP signaling pathway. <i>EMBO Journal</i> , 1999, 18, 179-187.	3.5	330
10	MAP kinase and Wnt pathways converge to downregulate an HMG-domain repressor in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1999, 399, 793-797.	13.7	263
11	Interleukin-1 (IL-1) Receptor-Associated Kinase-Dependent IL-1-Induced Signaling Complexes Phosphorylate TAK1 and TAB2 at the Plasma Membrane and Activate TAK1 in the Cytosol. <i>Molecular and Cellular Biology</i> , 2002, 22, 7158-7167.	1.1	263
12	Receptor Activator of NF- $\hat{\text{I}}^{\text{B}}$ Ligand (RANKL) Activates TAK1 Mitogen-Activated Protein Kinase Kinase through a Signaling Complex Containing RANK, TAB2, and TRAF6. <i>Molecular and Cellular Biology</i> , 2002, 22, 992-1000.	1.1	261
13	IL-2 and EGF receptors stimulate the hematopoietic cell cycle via different signaling pathways: Demonstration of a novel role for c-myc. <i>Cell</i> , 1992, 70, 57-67.	13.5	250
14	Role of the TAB2-related protein TAB3 in IL-1 and TNF signaling. <i>EMBO Journal</i> , 2003, 22, 6277-6288.	3.5	242
15	TAK1 Mitogen-activated Protein Kinase Kinase Kinase Is Activated by Autophosphorylation within Its Activation Loop. <i>Journal of Biological Chemistry</i> , 2000, 275, 7359-7364.	1.6	236
16	AMP-Activated Protein Kinase Activates p38 Mitogen-Activated Protein Kinase by Increasing Recruitment of p38 MAPK to TAB1 in the Ischemic Heart. <i>Circulation Research</i> , 2005, 97, 872-879.	2.0	210
17	Regulation of Lymphoid Enhancer Factor 1/T-Cell Factor by Mitogen-Activated Protein Kinase-Related Nemo-Like Kinase-Dependent Phosphorylation in Wnt/ $\hat{\text{I}}^2$ -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 1379-1389.	1.1	202
18	IRAK-mediated Translocation of TRAF6 and TAB2 in the Interleukin-1-induced Activation of NF- $\hat{\text{I}}^{\text{B}}$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 41661-41667.	1.6	193

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19	New human gene encoding a positive modulator of HIV Tat-mediated transactivation. <i>Nature</i> , 1992, 357, 700-702.	13.7	186
20	Interleukin-1 (IL-1) Receptor-Associated Kinase Leads to Activation of TAK1 by Inducing TAB2 Translocation in the IL-1 Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2001, 21, 2475-2484.	1.1	179
21	Involvement of ASK1 in Ca <sup>2+</sup> -induced p38 MAP kinase activation. <i>EMBO Reports</i> , 2004, 5, 161-166.	2.0	175
22	Wnt-1 signal induces phosphorylation and degradation of c-Myb protein via TAK1, HIPK2, and NLK. <i>Genes and Development</i> , 2004, 18, 816-829.	2.7	151
23	TAK1 Is a Master Regulator of Epidermal Homeostasis Involving Skin Inflammation and Apoptosis. <i>Journal of Biological Chemistry</i> , 2006, 281, 19610-19617.	1.6	136
24	Enterocyte-Derived TAK1 Signaling Prevents Epithelium Apoptosis and the Development of Ileitis and Colitis. <i>Journal of Immunology</i> , 2008, 181, 1143-1152.	0.4	136
25	Regulation of the TAK1 Signaling Pathway by Protein Phosphatase 2C. <i>Journal of Biological Chemistry</i> , 2001, 276, 5753-5759.	1.6	129
26	Protein Phosphatase 6 Down-regulates TAK1 Kinase Activation in the IL-1 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2006, 281, 39891-39896.	1.6	124
27	SEK MAPKK mediates Ca <sup>2+</sup> signaling to determine neuronal asymmetric development in <i>Caenorhabditis elegans</i> . <i>EMBO Reports</i> , 2002, 3, 56-62.	2.0	118
28	TAB2 Is Essential for Prevention of Apoptosis in Fetal Liver but Not for Interleukin-1 Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 1231-1238.	1.1	114
29	TAK1 is indispensable for development of T cells and prevention of colitis by the generation of regulatory T cells. <i>International Immunology</i> , 2006, 18, 1405-1411.	1.8	110
30	Targeted disruption of the <i>Tab1</i> gene causes embryonic lethality and defects in cardiovascular and lung morphogenesis. <i>Mechanisms of Development</i> , 2002, 119, 239-249.	1.7	99
31	TAK1 Regulates Reactive Oxygen Species and Cell Death in Keratinocytes, Which Is Essential for Skin Integrity. <i>Journal of Biological Chemistry</i> , 2008, 283, 26161-26168.	1.6	91
32	The MAPK Kinase Kinase TAK1 Plays a Central Role in Coupling the Interleukin-1 Receptor to Both Transcriptional and RNA-targeted Mechanisms of Gene Regulation. <i>Journal of Biological Chemistry</i> , 2001, 276, 3508-3516.	1.6	85
33	Inhibition of autophagy by TAB2 and TAB3. <i>EMBO Journal</i> , 2011, 30, 4908-4920.	3.5	85
34	TAK1 Is a Central Mediator of NOD2 Signaling in Epidermal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 137-144.	1.6	79
35	TAK1-binding protein 2 facilitates ubiquitination of TRAF6 and assembly of TRAF6 with IKK in the IL-1 signaling pathway. <i>Genes To Cells</i> , 2005, 10, 447-454.	0.5	78
36	TAK1 kinase switches cell fate from apoptosis to necrosis following TNF stimulation. <i>Journal of Cell Biology</i> , 2014, 204, 607-623.	2.3	78

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37	Regulation of the Interleukin-1-induced Signaling Pathways by a Novel Member of the Protein Phosphatase 2C Family (PP2C $\mu$ ). <i>Journal of Biological Chemistry</i> , 2003, 278, 12013-12021.	1.6	77
38	TGF- $\beta$ -activated Kinase 1 (Tak1) Mediates Agonist-induced Smad Activation and Linker Region Phosphorylation in Embryonic Craniofacial Neural Crest-derived Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 13467-13480.	1.6	70
39	TAK1 Regulates the Nrf2 Antioxidant System Through Modulating p62/SQSTM1. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 953-964.	2.5	65
40	A dominant negative TAK1 inhibits cellular fibrotic responses induced by TGF- $\beta$ . <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 332-337.	1.0	64
41	Transforming Growth Factor $\beta$ -activated Kinase 1 (TAK1) Kinase Adaptor, TAK1-binding Protein 2, Plays Dual Roles in TAK1 Signaling by Recruiting Both an Activator and an Inhibitor of TAK1 Kinase in Tumor Necrosis Factor Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 2333-2339.	1.6	64
42	Molecular cloning of MINK, a novel member of mammalian GCK family kinases, which is up-regulated during postnatal mouse cerebral development. <i>FEBS Letters</i> , 2000, 469, 19-23.	1.3	63
43	TAK1-binding Protein 1, TAB1, Mediates Osmotic Stress-induced TAK1 Activation but Is Dispensable for TAK1-mediated Cytokine Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 33080-33086.	1.6	61
44	An Evolutionarily Conserved Motif in the TAB1 C-terminal Region Is Necessary for Interaction with and Activation of TAK1 MAPKKK. <i>Journal of Biological Chemistry</i> , 2001, 276, 24396-24400.	1.6	58
45	Osmotic Stress Activates the TAK1-JNK Pathway While Blocking TAK1-mediated NF- $\kappa$ B Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 28802-28810.	1.6	53
46	ASK1 Inhibits Interleukin-1-induced NF- $\kappa$ B Activity through Disruption of TRAF6-TAK1 Interaction. <i>Journal of Biological Chemistry</i> , 2000, 275, 32747-32752.	1.6	52
47	TAK1 kinase signaling regulates embryonic angiogenesis by modulating endothelial cell survival and migration. <i>Blood</i> , 2012, 120, 3846-3857.	0.6	52
48	TGF- $\beta$ -Activated Kinase 1 Signaling Maintains Intestinal Integrity by Preventing Accumulation of Reactive Oxygen Species in the Intestinal Epithelium. <i>Journal of Immunology</i> , 2010, 185, 4729-4737.	0.4	51
49	Epithelial transforming growth factor $\beta$ -activated kinase 1 (TAK1) is activated through two independent mechanisms and regulates reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3365-3370.	3.3	51
50	Necroptosis mediators RIPK3 and MLKL suppress intracellular <i>Listeria</i> replication independently of host cell killing. <i>Journal of Cell Biology</i> , 2019, 218, 1994-2005.	2.3	48
51	Tak1, Smad4 and Trim33 redundantly mediate TGF- $\beta$ 3 signaling during palate development. <i>Developmental Biology</i> , 2015, 398, 231-241.	0.9	43
52	TAB4 Stimulates TAK1-TAB1 Phosphorylation and Binds Polyubiquitin to Direct Signaling to NF- $\kappa$ B. <i>Journal of Biological Chemistry</i> , 2008, 283, 19245-19254.	1.6	42
53	Ablation of TAK1 Upregulates Reactive Oxygen Species and Selectively Kills Tumor Cells. <i>Cancer Research</i> , 2010, 70, 8417-8425.	0.4	37
54	TAK1 MAPK Kinase Kinase Mediates Transforming Growth Factor- $\beta$ Signaling by Targeting SnoN Oncoprotein for Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 9475-9481.	1.6	36

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55	TAK1 Is a Component of the Epstein-Barr Virus LMP1 Complex and Is Essential for Activation of JNK but Not of NF- $\kappa$ B. <i>Journal of Biological Chemistry</i> , 2006, 281, 7863-7872.	1.6	34
56	Expression of growth-regulated genes in TSJT60 cells, a temperature-sensitive mutant of the cell cycle. <i>Biochemistry</i> , 1986, 25, 7041-7046.	1.2	31
57	Transforming Growth Factor $\beta$ -Activated Kinase 1 Is a Key Mediator of Ovine Follicle-Stimulating Hormone $\beta$ -Subunit Expression. <i>Endocrinology</i> , 2005, 146, 4814-4824.	1.4	29
58	Activated Macrophage Survival Is Coordinated by TAK1 Binding Proteins. <i>PLoS ONE</i> , 2014, 9, e94982.	1.1	29
59	Intestinal Epithelial-Derived TAK1 Signaling Is Essential for Cytoprotection against Chemical-Induced Colitis. <i>PLoS ONE</i> , 2009, 4, e4561.	1.1	26
60	Regulation of Genotoxic Stress Response by Homeodomain-interacting Protein Kinase 2 through Phosphorylation of Cyclic AMP Response Element-binding Protein at Serine 271. <i>Molecular Biology of the Cell</i> , 2010, 21, 2966-2974.	0.9	25
61	Activation Mechanism of c-Jun Amino-terminal Kinase in the Course of Neural Differentiation of P19 Embryonic Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 36616-36620.	1.6	20
62	Functional analyses of mammalian protein kinase C isozymes in budding yeast and mammalian fibroblasts. <i>Genes To Cells</i> , 2003, 2, 601-614.	0.5	19
63	G1 phase-specific suppression of the Cdk2 activity by ginsenoside Rh2 in cultured murine cells. <i>Life Sciences</i> , 1996, 60, PL39-PL44.	2.0	16
64	Kinase-Independent Feedback of the TAK1/TAB1 Complex on BCL10 Turnover and NF- $\kappa$ B Activation. <i>Molecular and Cellular Biology</i> , 2013, 33, 1149-1163.	1.1	15
65	Colchicine activates cell cycle-dependent genes in growth-arrested rat 3Y1 cells. <i>Experimental Cell Research</i> , 1987, 173, 294-298.	1.2	14
66	Generation of a conditional mutant allele for <i>Tab1</i> in mouse. <i>Genesis</i> , 2008, 46, 431-439.	0.8	14
67	Compound mutations in <i>Bmpr1a</i> and <i>Tak1</i> synergize facial deformities via increased cell death. <i>Genesis</i> , 2018, 56, e23093.	0.8	14
68	TAK1 Binding Protein 2 Is Essential for Liver Protection from Stressors. <i>PLoS ONE</i> , 2014, 9, e88037.	1.1	14
69	TAK1 regulates resident macrophages by protecting lysosomal integrity. <i>Cell Death and Disease</i> , 2017, 8, e2598-e2598.	2.7	13
70	TAK1 (MAP3K7) Signaling Regulates Hematopoietic Stem Cells through TNF-Dependent and -Independent Mechanisms. <i>PLoS ONE</i> , 2012, 7, e51073.	1.1	11
71	TAK1 determines susceptibility to endoplasmic reticulum stress and hypothalamic leptin resistance. <i>Journal of Cell Science</i> , 2016, 129, 1855-65.	1.2	11
72	Tak1. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	11

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73	Failure in S6 protein phosphorylation by serum stimulation of senescent human diploid fibroblasts, TIG-1. <i>Mechanisms of Ageing and Development</i> , 1986, 37, 27-40.	2.2	10
74	Coordinating Tissue Regeneration Through Transforming Growth Factor- $\beta$ 2 Activated Kinase 1 Inactivation and Reactivation. <i>Stem Cells</i> , 2019, 37, 766-778.	1.4	10
75	Defect in prereplicative phase of G0-specific ts mutant, tsJT60. <i>Experimental Cell Research</i> , 1986, 165, 191-198.	1.2	8
76	Noncanonical cell death program independent of caspase activation cascade and necroptotic modules is elicited by loss of TGF $\beta$ 2-activated kinase 1. <i>Scientific Reports</i> , 2017, 7, 2918.	1.6	8
77	TAK1 inhibition elicits mitochondrial ROS to block intracellular bacterial colonization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
78	Induction of cellular DNA synthesis in G0-specific ts mutant, tsJT60, following Infection with SV40 and adenoviruses. <i>Experimental Cell Research</i> , 1987, 171, 509-512.	1.2	5
79	Isolation of ts mutant cells which arrest in G1/G0 phase at the non-permissive temperature in the presence of appropriate growth factors from a Fischer rat cell line, 3Y1. <i>Experimental Cell Research</i> , 1986, 165, 337-344.	1.2	4
80	Epidermal growth factor has a unique effect in combination with fetal bovine serum to bypass the ts-block of G0-specific ts mutant tsJT60. <i>Experimental Cell Research</i> , 1987, 171, 86-93.	1.2	4
81	tsJT60, a cell cycle G0-ts mutant, becomes lethal at non-permissive temperature by transformation with adenovirus 5 when the expression of E1B gene is lacking. <i>Experimental Cell Research</i> , 1987, 170, 491-498.	1.2	3
82	Cyclin-dependent kinase 2 (cdk2) in the murine cdc2 kinaseTS mutant. <i>Somatic Cell and Molecular Genetics</i> , 1992, 18, 403-408.	0.7	3
83	A cell cycle G0-ts mutant, tsJT60, becomes lethal at the nonpermissive temperature after transformation with adenovirus 12 E1B 19K mutant. <i>Experimental Cell Research</i> , 1988, 179, 50-57.	1.2	2
84	Osmotic stress blocks NF $\kappa$ B-dependent inflammatory responses by inhibiting ubiquitination of I $\kappa$ B. <i>FEBS Letters</i> , 2007, 581, 5549-5554.	1.3	2
85	Mitochondrial Dysfunction. , 0, , 319-332.		2
86	Nonlethal G0-ts mutant tsJT60 becomes lethal at the nonpermissive temperature after transformation: A hint for new cancer chemotherapeutics.. <i>Cell Structure and Function</i> , 1990, 15, 385-391.	0.5	1
87	Tab1. The AFCS-nature Molecule Pages, 0, , .	0.2	0