

Kunihiro Matsumoto

List of Publications by Year in descending order

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150
papers

22,462
citations

9756

73
h-index

8370

147
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159
all docs

159
docs citations

159
times ranked

19846
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Apoptosis by ASK1, a Mammalian MAPKKK That Activates SAPK/JNK and p38 Signaling Pathways. <i>Science</i> , 1997, 275, 90-94.	6.0	2,209
2	The kinase TAK1 can activate the NIK- $\text{I}\kappa\text{B}$ as well as the MAP kinase cascade in the IL-1 signalling pathway. <i>Nature</i> , 1999, 398, 252-256.	13.7	1,118
3	Essential function for the kinase TAK1 in innate and adaptive immune responses. <i>Nature Immunology</i> , 2005, 6, 1087-1095.	7.0	839
4	A Conserved p38 MAP Kinase Pathway in <i>Caenorhabditis elegans</i> Innate Immunity. <i>Science</i> , 2002, 297, 623-626.	6.0	746
5	TAK1, but not TAB1 or TAB2, plays an essential role in multiple signaling pathways in vivo. <i>Genes and Development</i> , 2005, 19, 2668-2681.	2.7	632
6	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. <i>Nature Immunology</i> , 2005, 6, 587-592.	7.0	605
7	The TAK1- NLK -MAPK-related pathway antagonizes signalling between $\text{I}\kappa\text{B}$ -catenin and transcription factor TCF. <i>Nature</i> , 1999, 399, 798-802.	13.7	569
8	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
9	The TAK1-NLK Mitogen-Activated Protein Kinase Cascade Functions in the Wnt-5a/Ca ²⁺ Pathway To Antagonize Wnt/ $\text{I}\kappa\text{B}$ -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 131-139.	1.1	503
10	Segregation of TRAF6-mediated signaling pathways clarifies its role in osteoclastogenesis. <i>EMBO Journal</i> , 2001, 20, 1271-1280.	3.5	427
11	A Novel Kinase Cascade Mediated by Mitogen-activated Protein Kinase Kinase 6 and MKK3. <i>Journal of Biological Chemistry</i> , 1996, 271, 13675-13679.	1.6	417
12	Involvement of the p38 Mitogen-activated Protein Kinase Pathway in Transforming Growth Factor- $\text{I}\kappa\text{B}$ -induced Gene Expression. <i>Journal of Biological Chemistry</i> , 1999, 274, 27161-27167.	1.6	407
13	WNK1 Regulates Phosphorylation of Cation-Chloride-coupled Cotransporters via the STE20-related Kinases, SPAK and OSR1*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42685-42693.	1.6	401
14	A histone lysine methyltransferase activated by non-canonical Wnt signalling suppresses PPAR- $\text{I}\kappa\text{B}$ transactivation. <i>Nature Cell Biology</i> , 2007, 9, 1273-1285.	4.6	400
15	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
16	The <i>C. elegans</i> p38 MAPK pathway regulates nuclear localization of the transcription factor SKN-1 in oxidative stress response. <i>Genes and Development</i> , 2005, 19, 2278-2283.	2.7	371
17	TAK1 is Critical for $\text{I}\kappa\text{B}$ Kinase-mediated Activation of the NF- $\text{I}\kappa\text{B}$ Pathway. <i>Journal of Molecular Biology</i> , 2003, 326, 105-115.	2.0	353
18	The oncoprotein Evi-1 represses TGF- $\text{I}\kappa\text{B}$ signalling by inhibiting Smad3. <i>Nature</i> , 1998, 394, 92-96.	13.7	338

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19	TAK1 Mediates the Ceramide Signaling to Stress-activated Protein Kinase/c-Jun N-terminal Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 8141-8144.	1.6	307
20	Distortion of proximodistal information causes JNK-dependent apoptosis in <i>Drosophila</i> wing. <i>Nature</i> , 1999, 400, 166-169.	13.7	275
21	Cytokines suppress adipogenesis and PPAR- γ function through the TAK1/TAB1/NIK cascade. <i>Nature Cell Biology</i> , 2003, 5, 224-230.	4.6	274
22	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
23	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
24	Receptor Activator of NF- κ B Ligand (RANKL) Activates TAK1 Mitogen-Activated Protein Kinase Kinase Kinase through a Signaling Complex Containing RANK, TAB2, and TRAF6. <i>Molecular and Cellular Biology</i> , 2002, 22, 992-1000.	1.1	261
25	Role of the TAB2-related protein TAB3 in IL-1 and TNF signaling. <i>EMBO Journal</i> , 2003, 22, 6277-6288.	3.5	242
26	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
27	LRRK2 Modulates Vulnerability to Mitochondrial Dysfunction in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2009, 29, 9210-9218.	1.7	220
28	UNC-16, a JNK-Signaling Scaffold Protein, Regulates Vesicle Transport in <i>C. elegans</i> . <i>Neuron</i> , 2001, 32, 787-800.	3.8	214
29	Regulation of the <i>Caenorhabditis elegans</i> oxidative stress defense protein SKN-1 by glycogen synthase kinase-3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16275-16280.	3.3	212
30	Regulation of Lymphoid Enhancer Factor 1/T-Cell Factor by Mitogen-Activated Protein Kinase-Related Nemo-Like Kinase-Dependent Phosphorylation in Wnt/ β -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 1379-1389.	1.1	202
31	Molecular characterization of <i>Legionella pneumophila</i> -induced interleukin-8 expression in T cells. <i>BMC Microbiology</i> , 2010, 10, 1.	1.3	195
32	IRAK-mediated Translocation of TRAF6 and TAB2 in the Interleukin-1-induced Activation of NF- κ B. <i>Journal of Biological Chemistry</i> , 2001, 276, 41661-41667.	1.6	193
33	The <i>C. elegans</i> Thermosensory Neuron AFD Responds to Warming. <i>Current Biology</i> , 2004, 14, 1291-1295.	1.8	192
34	The CaMKII UNC-43 Activates the MAPKKK NSY-1 to Execute a Lateral Signaling Decision Required for Asymmetric Olfactory Neuron Fates. <i>Cell</i> , 2001, 105, 221-232.	13.5	188
35	LRK-1, a <i>C. elegans</i> PARK8-Related Kinase, Regulates Axonal-Dendritic Polarity of SV Proteins. <i>Current Biology</i> , 2007, 17, 592-598.	1.8	188
36	New human gene encoding a positive modulator of HIV Tat-mediated transactivation. <i>Nature</i> , 1992, 357, 700-702.	13.7	186

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37	Axon regeneration requires coordinate activation of p38 and JNK MAPK pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10738-10743.	3.3	181
38	Temperature Sensing by an Olfactory Neuron in a Circuit Controlling Behavior of <i>C. elegans</i> . Science, 2008, 320, 803-807.	6.0	180
39	Interleukin-1 (IL-1) Receptor-Associated Kinase Leads to Activation of TAK1 by Inducing TAB2 Translocation in the IL-1 Signaling Pathway. Molecular and Cellular Biology, 2001, 21, 2475-2484.	1.1	179
40	Integration of <i>Caenorhabditis elegans</i> MAPK pathways mediating immunity and stress resistance by MEK-1 MAPK kinase and VHP-1 MAPK phosphatase. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10990-10994.	3.3	162
41	p38 Mitogen-Activated Protein Kinase Can Be Involved in Transforming Growth Factor β Superfamily Signal Transduction in <i>Drosophila</i> Wing Morphogenesis. Molecular and Cellular Biology, 1999, 19, 2322-2329.	1.1	157
42	Purification and Identification of a Major Activator for p38 from Osmotically Shocked Cells. Journal of Biological Chemistry, 1996, 271, 26981-26988.	1.6	156
43	Phosphorylation of the Conserved Transcription Factor ATF-7 by PMK-1 p38 MAPK Regulates Innate Immunity in <i>Caenorhabditis elegans</i> . PLoS Genetics, 2010, 6, e1000892.	1.5	155
44	Identification of Guanylyl Cyclases That Function in Thermosensory Neurons of <i>Caenorhabditis elegans</i> . Genetics, 2006, 172, 2239-2252.	1.2	153
45	Wnt-1 signal induces phosphorylation and degradation of c-Myb protein via TAK1, HIPK2, and NLK. Genes and Development, 2004, 18, 816-829.	2.7	151
46	The <i>Caenorhabditis elegans</i> MAPK phosphatase VHP-1 mediates a novel JNK-like signaling pathway in stress response. EMBO Journal, 2004, 23, 2226-2234.	3.5	150
47	TAK1 Is a Master Regulator of Epidermal Homeostasis Involving Skin Inflammation and Apoptosis. Journal of Biological Chemistry, 2006, 281, 19610-19617.	1.6	136
48	Enterocyte-Derived TAK1 Signaling Prevents Epithelium Apoptosis and the Development of Ileitis and Colitis. Journal of Immunology, 2008, 181, 1143-1152.	0.4	136
49	A redox-sensitive peroxiredoxin that is important for longevity has tissue- and stress-specific roles in stress resistance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19839-19844.	3.3	135
50	Dynamics and organization of MAP kinase signal pathways. Molecular Reproduction and Development, 1995, 42, 477-485.	1.0	133
51	Regulation of the TAK1 Signaling Pathway by Protein Phosphatase 2C. Journal of Biological Chemistry, 2001, 276, 5753-5759.	1.6	129
52	Distinct Domains of Mouse Dishevelled Are Responsible for the c-Jun N-terminal Kinase/Stress-activated Protein Kinase Activation and the Axis Formation in Vertebrates. Journal of Biological Chemistry, 1999, 274, 30957-30962.	1.6	127
53	Protein Phosphatase 6 Down-regulates TAK1 Kinase Activation in the IL-1 Signaling Pathway. Journal of Biological Chemistry, 2006, 281, 39891-39896.	1.6	124
54	Suppression of PPAR Transactivation Switches Cell Fate of Bone Marrow Stem Cells from Adipocytes into Osteoblasts. Annals of the New York Academy of Sciences, 2007, 1116, 182-195.	1.8	120

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55	SEK-1 MAPKK mediates Ca ²⁺ signaling to determine neuronal asymmetric development in <i>Caenorhabditis elegans</i> . <i>EMBO Reports</i> , 2002, 3, 56-62.	2.0	118
56	TAK1 Participates in c-Jun N-Terminal Kinase Signaling during <i>Drosophila</i> Development. <i>Molecular and Cellular Biology</i> , 2000, 20, 3015-3026.	1.1	116
57	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
58	The <i>Caenorhabditis elegans</i> UNC-14 RUN Domain Protein Binds to the Kinesin-1 and UNC-16 Complex and Regulates Synaptic Vesicle Localization. <i>Molecular Biology of the Cell</i> , 2005, 16, 483-496.	0.9	112
59	A Metalloprotease Disintegrin That Controls Cell Migration in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2000, 288, 2205-2208.	6.0	111
60	Nemo-like kinase suppresses Notch signalling by interfering with formation of the Notch active transcriptional complex. <i>Nature Cell Biology</i> , 2010, 12, 278-285.	4.6	110
61	Identification of a possible MAP kinase cascade in <i>Arabidopsis thaliana</i> based on pairwise yeast two-hybrid analysis and functional complementation tests of yeast mutants. <i>FEBS Letters</i> , 1998, 437, 56-60.	1.3	102
62	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
63	The <i>Khd1</i> protein, which has three KH RNA-binding motifs, is required for proper localization of <i>ASH1</i> mRNA in yeast. <i>EMBO Journal</i> , 2002, 21, 1158-1167.	3.5	96
64	Role of the TAK1-NLK-STAT3 pathway in TGF- β -mediated mesoderm induction. <i>Genes and Development</i> , 2004, 18, 381-386.	2.7	96
65	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
66	The <i>Caenorhabditis elegans</i> JIP3 Protein UNC-16 Functions As an Adaptor to Link Kinesin-1 with Cytoplasmic Dynein. <i>Journal of Neuroscience</i> , 2011, 31, 2216-2224.	1.7	90
67	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
68	The ERK-MAPK Pathway Regulates Longevity through SKN-1 and Insulin-like Signaling in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 30274-30281.	1.6	81
69	Mib-Jag1-Notch signalling regulates patterning and structural roles of the notochord by controlling cell-fate decisions. <i>Development (Cambridge)</i> , 2010, 137, 2527-2537.	1.2	80
70	The growth factor SVH-1 regulates axon regeneration in <i>C. elegans</i> via the JNK MAPK cascade. <i>Nature Neuroscience</i> , 2012, 15, 551-557.	7.1	80
71	A Fasting-Responsive Signaling Pathway that Extends Life Span in <i>C. elegans</i> . <i>Cell Reports</i> , 2013, 3, 79-91.	2.9	80
72	TAK1 Is a Central Mediator of NOD2 Signaling in Epidermal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 137-144.	1.6	79

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73	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
74	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
75	Regulation of the Interleukin-1-induced Signaling Pathways by a Novel Member of the Protein Phosphatase 2C Family (PP2C μ). <i>Journal of Biological Chemistry</i> , 2003, 278, 12013-12021.	1.6	77
76	STAT3 regulates Nemo-like kinase by mediating its interaction with IL-6-stimulated TGF β -activated kinase 1 for STAT3 Ser-727 phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4524-4529.	3.3	76
77	Leucine-rich repeat kinase LRRK1 regulates endosomal trafficking of the EGF receptor. <i>Nature Communications</i> , 2011, 2, 158.	5.8	75
78	Roles of MAP Kinase Cascades in <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2004, 136, 7-11.	0.9	74
79	Nrarp functions to modulate neural-crest-cell differentiation by regulating LEF1 protein stability. <i>Nature Cell Biology</i> , 2005, 7, 1106-1112.	4.6	74
80	Elucidation of the c-Jun N-Terminal Kinase Pathway Mediated by Epstein-Barr Virus-Encoded Latent Membrane Protein 1. <i>Molecular and Cellular Biology</i> , 2004, 24, 192-199.	1.1	70
81	NLK positively regulates Wnt/ β -catenin signalling by phosphorylating LEF1 in neural progenitor cells. <i>EMBO Journal</i> , 2012, 31, 1904-1915.	3.5	69
82	Dysregulated LRRK2 Signaling in Response to Endoplasmic Reticulum Stress Leads to Dopaminergic Neuron Degeneration in <i>C. elegans</i> . <i>PLoS ONE</i> , 2011, 6, e22354.	1.1	69
83	Transforming Growth Factor β -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
84	PLK1-dependent activation of LRRK1 regulates spindle orientation by phosphorylating CDK5RAP2. <i>Nature Cell Biology</i> , 2015, 17, 1024-1035.	4.6	62
85	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
86	The p38 signal transduction pathway participates in the oxidative stress-mediated translocation of DAF-16 to <i>Caenorhabditis elegans</i> nuclei. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 642-647.	2.2	60
87	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
88	An NDPase links ADAM protease glycosylation with organ morphogenesis in <i>C. elegans</i> . <i>Nature Cell Biology</i> , 2004, 6, 31-37.	4.6	58
89	Nemo-like kinase is involved in NGF-induced neurite outgrowth via phosphorylating MAP1B and paxillin. <i>Journal of Neurochemistry</i> , 2009, 111, 1104-1118.	2.1	56
90	Osmotic Stress Activates the TAK1-JNK Pathway While Blocking TAK1-mediated NF- κ B Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 28802-28810.	1.6	53

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91	ASK1 Inhibits Interleukin-1-induced NF- κ B Activity through Disruption of TRAF6-TAK1 Interaction. <i>Journal of Biological Chemistry</i> , 2000, 275, 32747-32752.	1.6	52
92	Posttranscriptional Regulation of HO Expression by the Mkt1-Pbp1 Complex. <i>Molecular and Cellular Biology</i> , 2004, 24, 3670-3681.	1.1	52
93	The <i>Yersinia enterocolitica</i> effector YopP inhibits host cell signalling by inactivating the protein kinase TAK1 in the IL-1 signalling pathway. <i>EMBO Reports</i> , 2006, 7, 838-844.	2.0	52
94	TAK1 kinase signaling regulates embryonic angiogenesis by modulating endothelial cell survival and migration. <i>Blood</i> , 2012, 120, 3846-3857.	0.6	52
95	Forgetting in <i>C. elegans</i> Is Accelerated by Neuronal Communication via the TIR-1/JNK-1 Pathway. <i>Cell Reports</i> , 2013, 3, 808-819.	2.9	52
96	TGF- β -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
97	Epithelial transforming growth factor β -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
98	Endocannabinoid-Golgi signalling inhibits axon regeneration in <i>Caenorhabditis elegans</i> by antagonizing Gq β -PKC-JNK signalling. <i>Nature Communications</i> , 2012, 3, 1136.	5.8	48
99	<i>Caenorhabditis elegans</i> WNK β -STE20 pathway regulates tube formation by modulating ClC channel activity. <i>EMBO Reports</i> , 2008, 9, 70-75.	2.0	41
100	Axotomy-induced HIF-serotonin signalling axis promotes axon regeneration in <i>C. elegans</i> . <i>Nature Communications</i> , 2016, 7, 10388.	5.8	40
101	GLH-1, the <i>C. elegans</i> P granule protein, is controlled by the JNK KGB-1 and by the COP9 subunit CSN-5. <i>Development (Cambridge)</i> , 2007, 134, 3383-3392.	1.2	38
102	LRRK1 phosphorylation of Rab7 at Ser-72 links trafficking of EGFR-containing endosomes to its effector RILP. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	38
103	Ablation of TAK1 Upregulates Reactive Oxygen Species and Selectively Kills Tumor Cells. <i>Cancer Research</i> , 2010, 70, 8417-8425.	0.4	37
104	TAK1 MAPK Kinase Kinase Mediates Transforming Growth Factor- β Signaling by Targeting SnoN Oncoprotein for Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 9475-9481.	1.6	36
105	UNC-16/JIP3 regulates early events in synaptic vesicle protein trafficking via LRK-1/LRRK2 and AP complexes. <i>PLoS Genetics</i> , 2017, 13, e1007100.	1.5	36
106	A putative GDP \rightarrow GTP exchange factor is required for development of the excretory cell in <i>Caenorhabditis elegans</i> . <i>EMBO Reports</i> , 2001, 2, 530-535.	2.0	35
107	Expression of Siamois and Twin in the blastula Chordin/Noggin signaling center is required for brain formation in <i>Xenopus laevis</i> embryos. <i>Mechanisms of Development</i> , 2008, 125, 58-66.	1.7	35
108	TAK1 Is a Component of the Epstein-Barr Virus LMP1 Complex and Is Essential for Activation of JNK but Not of NF- κ B. <i>Journal of Biological Chemistry</i> , 2006, 281, 7863-7872.	1.6	34

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109	Role of the <i>Caenorhabditis elegans</i> Shc Adaptor Protein in the c-Jun N-Terminal Kinase Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2008, 28, 7041-7049.	1.1	34
110	The <i>Caenorhabditis elegans</i> JNK Signaling Pathway Activates Expression of Stress Response Genes by Derepressing the Fos/HDAC Repressor Complex. <i>PLoS Genetics</i> , 2013, 9, e1003315.	1.5	33
111	EGFR-dependent phosphorylation of leucine-rich repeat kinase LRRK1 is important for proper endosomal trafficking of EGFR. <i>Molecular Biology of the Cell</i> , 2012, 23, 1294-1306.	0.9	31
112	Phosphatidylserine exposure mediated by ABC transporter activates the integrin signaling pathway promoting axon regeneration. <i>Nature Communications</i> , 2018, 9, 3099.	5.8	31
113	Axon Regeneration Is Regulated by Ets/C/EBP Transcription Complexes Generated by Activation of the cAMP/Ca ²⁺ Signaling Pathways. <i>PLoS Genetics</i> , 2015, 11, e1005603.	1.5	30
114	TGF- β -activated kinase 1 mediates mechanical stress-induced IL-6 expression in osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 202-207.	1.0	29
115	Regulation of Anoxic Death in <i>Caenorhabditis elegans</i> by Mammalian Apoptosis Signal-Regulating Kinase (ASK) Family Proteins. <i>Genetics</i> , 2011, 187, 785-792.	1.2	29
116	Homodimerization of Nemo-like kinase is essential for activation and nuclear localization. <i>Molecular Biology of the Cell</i> , 2011, 22, 266-277.	0.9	28
117	Endocannabinoid signaling regulates regenerative axon navigation in <i>Caenorhabditis elegans</i> via the GPCRs NPR-19 and NPR-32. <i>Genes To Cells</i> , 2016, 21, 696-705.	0.5	28
118	A mechanism for the suppression of interleukin-1-induced nuclear factor κ B activation by protein phosphatase 2C β -2. <i>Biochemical Journal</i> , 2009, 423, 71-78.	1.7	27
119	The <i>C. elegans</i> Discoidin Domain Receptor DDR-2 Modulates the Met-like RTK/JNK Signaling Pathway in Axon Regeneration. <i>PLoS Genetics</i> , 2016, 12, e1006475.	1.5	25
120	Phosphorylation of CLIP-170 by LRRK1 regulates EGFR trafficking by promoting recruitment of p150Glued to MT plus-ends. <i>Journal of Cell Science</i> , 2015, 128, 385-96.	1.2	24
121	<i>Caenorhabditis elegans</i> FOS-1 and JUN-1 Regulate <i>plc-1</i> Expression in the Spermatheca to Control Ovulation. <i>Molecular Biology of the Cell</i> , 2009, 20, 3888-3895.	0.9	22
122	A shift of the TOR adaptor from Rictor towards Raptor by semaphorin in <i>C. elegans</i> . <i>Nature Communications</i> , 2011, 2, 484.	5.8	20
123	The Core Molecular Machinery Used for Engulfment of Apoptotic Cells Regulates the JNK Pathway Mediating Axon Regeneration in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2016, 36, 9710-9721.	1.7	20
124	Signal transduction cascades in axon regeneration: insights from <i>C. elegans</i> . <i>Current Opinion in Genetics and Development</i> , 2017, 44, 54-60.	1.5	20
125	The <i>C. elegans</i> BRCA2-ALP/Enigma Complex Regulates Axon Regeneration via a Rho GTPase-ROCK-MLC Phosphorylation Pathway. <i>Cell Reports</i> , 2018, 24, 1880-1889.	2.9	20
126	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

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127	Chaperone complex <sc>BAG</sc>2â€“<sc>HSC</sc>70 regulates localization of <i>Caenorhabditis elegans</i> leucineâ€“rich repeat kinase <sc>LRK</sc>â€“1 to the Golgi. <i>Genes To Cells</i> , 2016, 21, 311-324.	0.5	16
128	Regulation of ERK activity duration by Sprouty contributes to dorsoventral patterning. <i>Nature Cell Biology</i> , 2009, 11, 106-109.	4.6	15
129	MAP kinase cascades regulating axon regeneration in <i>C. elegans&/i>. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2015, 91, 63-75.	1.6	15
130	The Integrin Signaling Network Promotes Axon Regeneration via the Srcâ€“Ephexinâ€“RhoA GTPase Signaling Axis. <i>Journal of Neuroscience</i> , 2021, 41, 4754-4767.	1.7	15
131	The <i>Caenorhabditis elegans</i> Ste20-Related Kinase and Rac-Type Small GTPase Regulate the c-Jun N-Terminal Kinase Signaling Pathway Mediating the Stress Response. <i>Molecular and Cellular Biology</i> , 2010, 30, 995-1003.	1.1	14
132	TAK1 Binding Protein 2 Is Essential for Liver Protection from Stressors. <i>PLoS ONE</i> , 2014, 9, e88037.	1.1	14
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146	<i>Caenorhabditis elegans</i> F-Box Protein Promotes Axon Regeneration by Inducing Degradation of the Mad Transcription Factor. <i>Journal of Neuroscience</i> , 2021, 41, 2373-2381.	1.7	3
147	UNC-16 alters DLK-1 localization and negatively regulates actin and microtubule dynamics in <i>Caenorhabditis elegans</i> regenerating neurons. <i>Genetics</i> , 2021, 219, .	1.2	3
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149	Delta1 family members are involved in filopodial actin formation and neuronal cell migration independent of Notch signaling. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 118-124.	1.0	2
150	Tab1. The AFCS-nature Molecule Pages, 0, , .	0.2	0