Roger J Davis

List of Publications by Year
in descending order

282 papers	63,340 citations	1207 110 h-index	848 243 g-index
336 all docs	336 docs citations	336 times ranked	62917 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	11.0	4,789
2	Signal Transduction by the JNK Group of MAP Kinases. Cell, 2000, 103, 239-252.	27.8	3,916
3	JNK1: A protein kinase stimulated by UV light and Ha-Ras that binds and phosphorylates the c-Jun activation domain. Cell, 1994, 76, 1025-1037.	27.8	3,210
4	Carbon monoxide has anti-inflammatory effects involving the mitogen-activated protein kinase pathway. Nature Medicine, 2000, 6, 422-428.	30.1	2,539
5	Pro-inflammatory Cytokines and Environmental Stress Cause p38 Mitogen-activated Protein Kinase Activation by Dual Phosphorylation on Tyrosine and Threonine. Journal of Biological Chemistry, 1995, 270, 7420-7426.	3.5	2,049
6	cPLA2 is phosphorylated and activated by MAP kinase. Cell, 1993, 72, 269-278.	27.8	1,865
7	Requirement of JNK for Stress- Induced Activation of the Cytochrome c-Mediated Death Pathway. Science, 2000, 288, 870-874.	20.9	1,602
8	MAP Kinases in the Immune Response. Annual Review of Immunology, 2002, 20, 55-72.	21.7	1,536
9	Signal transduction by the c-Jun N-terminal kinase (JNK) â€" from inflammation to development. Current Opinion in Cell Biology, 1998, 10, 205-219.	5.6	1,454
10	Absence of excitotoxicity-induced apoptosis in the hippocampus of mice lacking the Jnk3 gene. Nature, 1997, 389, 865-870.	36.2	1,196
11	JNK phosphorylation of Bim-related members of the Bcl2 family induces Bax-dependent apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2432-2437.	7.6	954
12	MAPKs: new JNK expands the group. Trends in Biochemical Sciences, 1994, 19, 470-473.	7.5	925
13	The JNK signal transduction pathway. Current Opinion in Cell Biology, 2007, 19, 142-149.	5.6	909
14	The JNK signal transduction pathway. Current Opinion in Genetics and Development, 2002, 12, 14-21.	3.4	877
15	The Jnk1 and Jnk2 Protein Kinases Are Required for Regional Specific Apoptosis during Early Brain Development. Neuron, 1999, 22, 667-676.	8.0	829
16	beta -Arrestin 2: A Receptor-Regulated MAPK Scaffold for the Activation of JNK3. , 2000, 290, 1574-1577.		763
17	Regulation of MAP Kinase Signaling Modules by Scaffold Proteins in Mammals. Annual Review of Cell and Developmental Biology, 2003, 19, 91-118.	9.4	721
18	A Cytoplasmic Inhibitor of the JNK Signal Transduction Pathway. Science, 1997, 277, 693-696.	20.9	658

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19	A Mammalian Scaffold Complex That Selectively Mediates MAP Kinase Activation. , 1998, 281, 1671-1674.		607
20	Hepatic Acetyl CoA Links Adipose Tissue Inflammation to Hepatic Insulin Resistance and Type 2 Diabetes. Cell, 2015, 160, 745-758.	27.8	574
21	Cdc42 and PAK-mediated Signaling Leads to Jun Kinase and p38 Mitogen-activated Protein Kinase Activation. Journal of Biological Chemistry, 1995, 270, 27995-27998.	3.5	563
22	Targeting JNK for therapeutic benefit: from junk to gold?. Nature Reviews Drug Discovery, 2003, 2, 554-565.	61.5	545
23	TNF and MAP kinase signalling pathways. Seminars in Immunology, 2014, 26, 237-245.	5.9	538
24	A Stress Signaling Pathway in Adipose Tissue Regulates Hepatic Insulin Resistance. Science, 2008, 322, 1539-1543.	20.9	512
25	Selective Activation of p38 Mitogen-activated Protein (MAP) Kinase Isoforms by the MAP Kinase Kinases MKK3 and MKK6. Journal of Biological Chemistry, 1998, 273, 1741-1748.	3.5	485
26	JNK regulates lifespan in Caenorhabditis elegans by modulating nuclear translocation of forkhead transcription factor/DAF-16. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4494-4499.	7.6	478
27	Î²-Amyloid Induces Neuronal Apoptosis Via a Mechanism that Involves the c-Jun N-Terminal Kinase Pathway and the Induction of Fas Ligand. Journal of Neuroscience, 2001, 21, 7551-7560.	3.8	455
28	The Bax Subfamily of Bcl2-Related Proteins Is Essential for Apoptotic Signal Transduction by c-Jun NH₂-Terminal Kinase. Molecular and Cellular Biology, 2002, 22, 4929-4942.	2.5	454
29	Mechanism of early dissemination and metastasis in Her2+ mammary cancer. Nature, 2016, 540, 588-592.	36.2	449
30	The JIP Group of Mitogen-Activated Protein Kinase Scaffold Proteins. Molecular and Cellular Biology, 1999, 19, 7245-7254.	2.5	442
31	Phosphorylation by p38 MAPK as an Alternative Pathway for GSK3Î² Inactivation. Science, 2008, 320, 667-670.	20.9	430
32	Mechanism of p38 MAP kinase activation in vivo. Genes and Development, 2003, 17, 1969-1978.	5.9	428
33	Differentiation of CD4+ T Cells to Th1 Cells Requires MAP Kinase JNK2. Immunity, 1998, 9, 575-585.	14.2	425
34	Transcriptional regulation by MAP kinases. Molecular Reproduction and Development, 1995, 42, 459-467.	2.0	407
35	JNK-mediated induction of cyclooxygenase 2 is required for neurodegeneration in a mouse model of Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 665-670.	7.6	400
36	Free Cholesterol-loaded Macrophages Are an Abundant Source of Tumor Necrosis Factor-Î± and Interleukin-6. Journal of Biological Chemistry, 2005, 280, 21763-21772.	3.5	386

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37	A critical role of neural-specific JNK3 for ischemic apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15184-15189.	7.6	384
38	Structural organization of MAP-kinase signaling modules by scaffold proteins in yeast and mammals. Trends in Biochemical Sciences, 1998, 23, 481-485.	7.5	383
39	Cell Signaling and Stress Responses. Cold Spring Harbor Perspectives in Biology, 2016, 8, a006072.	5.4	358
40	c-Jun N-terminal Kinase (JNK) Mediates Feedback Inhibition of the Insulin Signaling Cascade. Journal of Biological Chemistry, 2003, 278, 2896-2902.	3.5	357
41	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. American Journal of Pathology, 2006, 169, 566-583.	4.1	340
42	Suppression of Inflammatory Cytokine Production by Carbon Monoxide Involves the JNK Pathway and AP-1. Journal of Biological Chemistry, 2003, 278, 36993-36998.	3.5	339
43	Nuclear Accumulation of NFAT4 Opposed by the JNK Signal Transduction Pathway. Science, 1997, 278, 1638-1641.	20.9	332
44	MKK7 is an essential component of the JNK signal transduction pathway activated by proinflammatory cytokines. Genes and Development, 2001, 15, 1419-1426.	5.9	319
45	A genetically encoded fluorescent sensor of ERK activity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19264-19269.	7.6	304
46	JNK is required for effector T-cell function but not for T-cell activation. Nature, 2000, 405, 91-94.	36.2	302
47	Chemical Genetic Analysis of the Time Course of Signal Transduction by JNK. Molecular Cell, 2006, 21, 701-710.	9.6	285
48	Novel Observations From Next-Generation RNA Sequencing of Highly Purified Human Adult and Fetal Islet Cell Subsets. Diabetes, 2015, 64, 3172-3181.	0.9	284
49	A semisynthetic epitope for kinase substrates. Nature Methods, 2007, 4, 511-516.	19.6	283
50	Interaction of a Mitogen-Activated Protein Kinase Signaling Module with the Neuronal Protein JIP3. Molecular and Cellular Biology, 2000, 20, 1030-1043.	2.5	276
51	JNK potentiates TNF-stimulated necrosis by increasing the production of cytotoxic reactive oxygen species. Genes and Development, 2004, 18, 2905-2915.	5.9	275
52	Hypoxia-Ischemia Induces DNA Synthesis without Cell Proliferation in Dying Neurons in Adult Rodent Brain. Journal of Neuroscience, 2004, 24, 10763-10772.	3.8	259
53	The Elk-1 ETS-Domain Transcription Factor Contains a Mitogen-Activated Protein Kinase Targeting Motif. Molecular and Cellular Biology, 1998, 18, 710-720.	2.5	255
54	Pathological Axonal Death through a MAPK Cascade that Triggers a Local Energy Deficit. Cell, 2015, 160, 161-176.	27.8	254

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55	WRM-1 Activates the LIT-1 Protein Kinase to Transduce Anterior/Posterior Polarity Signals in C. elegans. Cell, 1999, 97, 717-726.	27.8	252
56	A reinvestigation of the multisite phosphorylation of the transcription factor c-Jun. EMBO Journal, 2003, 22, 3876-3886.	8.2	248
57	Mitochondrial Reactive Oxygen Species Activation of p38 Mitogen-Activated Protein Kinase Is Required for Hypoxia Signaling. Molecular and Cellular Biology, 2005, 25, 4853-4862.	2.5	247
58	Regulation of innate and adaptive immune responses by MAP kinase phosphatase 5. Nature, 2004, 430, 793-797.	36.2	246
59	JunD Mediates Survival Signaling by the JNK Signal Transduction Pathway. Molecular Cell, 2003, 11, 1479-1489.	9.6	238
60	Regulation of the immune response by stressâ€activated protein kinases. Immunological Reviews, 2009, 228, 212-224.	6.1	238
61	Regulation of adipose tissue inflammation by interleukin 6. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2751-2760.	7.6	231
62	Requirement of the JIP1 scaffold protein for stress-induced JNK activation. Genes and Development, 2001, 15, 2421-2432.	5.9	216
63	Identification of the JNK Signaling Pathway as a Functional Target of the Tumor Suppressor PTEN. Cancer Cell, 2007, 11, 555-569.	16.8	216
64	Retinol-Binding Protein 4 Inhibits Insulin Signaling in Adipocytes by Inducing Proinflammatory Cytokines in Macrophages through a c-Jun N-Terminal Kinase- and Toll-Like Receptor 4-Dependent and Retinol-Independent Mechanism. Molecular and Cellular Biology, 2012, 32, 2010-2019.	2.5	215
65	pp60v- Induction of Cyclin D1 Requires Collaborative Interactions between the Extracellular Signal-regulated Kinase, p38, and Jun Kinase Pathways. Journal of Biological Chemistry, 1999, 274, 7341-7350.	3.5	214
66	The JNK Pathway Regulates the In Vivo Deletion of Immature CD4+CD8+ Thymocytes. Journal of Experimental Medicine, 1998, 188, 1817-1830.	8.8	207
67	Multisite Phosphorylation Regulates Bim Stability and Apoptotic Activity. Molecular Cell, 2008, 30, 415-425.	9.6	206
68	Specific pathophysiological functions of JNK isoforms in the brain. European Journal of Neuroscience, 2005, 21, 363-377.	3.5	203
69	JNK regulates FoxO-dependent autophagy in neurons. Genes and Development, 2011, 25, 310-322.	5.9	199
70	Tead and AP1 Coordinate Transcription and Motility. Cell Reports, 2016, 14, 1169-1180.	6.3	191
71	Dual Roles for c-Jun N-Terminal Kinase in Developmental and Stress Responses in Cerebellar Granule Neurons. Journal of Neuroscience, 2000, 20, 7602-7613.	3.8	188
72	Induction of NFATc2 Expression by Interleukin 6 Promotes T Helper Type 2 Differentiation. Journal of Experimental Medicine, 2002, 196, 39-49.	8.8	181

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73	p38 MAPKâ€“mediated regulation of Xbp1s is crucial for glucose homeostasis. Nature Medicine, 2011, 17, 1251-1260.	30.1	180
74	The role of JNK in the development of hepatocellular carcinoma. Genes and Development, 2011, 25, 634-645.	5.9	175
75	Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. Cell Metabolism, 2017, 26, 212-229.e12.	15.8	174
76	The MKK7 Gene Encodes a Group of c-Jun NH₂-Terminal Kinase Kinases. Molecular and Cellular Biology, 1999, 19, 1569-1581.	2.5	168
77	Sirtuin 1 (SIRT1) Protein Degradation in Response to Persistent c-Jun N-terminal Kinase 1 (JNK1) Activation Contributes to Hepatic Steatosis in Obesity. Journal of Biological Chemistry, 2011, 286, 22227-22234.	3.5	162
78	Survival signaling mediated by c-Jun NH2-terminal kinase in transformed B lymphoblasts. Nature Genetics, 2002, 32, 201-205.	20.4	158
79	Role of the JIP4 Scaffold Protein in the Regulation of Mitogen-Activated Protein Kinase Signaling Pathways. Molecular and Cellular Biology, 2005, 25, 2733-2743.	2.5	157
80	The PPARÎ±-FGF21 Hormone Axis Contributes to Metabolic Regulation by the Hepatic JNK Signaling Pathway. Cell Metabolism, 2014, 20, 512-525.	15.8	156
81	GADD45Î³ Mediates the Activation of the p38 and JNK MAP Kinase Pathways and Cytokine Production in Effector TH1 Cells. Immunity, 2001, 14, 583-590.	14.2	153
82	Role of the Guanosine Triphosphatase Rac2 in T Helper 1 Cell Differentiation. Science, 2000, 288, 2219-2222.	20.9	152
83	c-Jun NH 2 -Terminal Kinase Is Essential for the Regulation of AP-1 by Tumor Necrosis Factor. Molecular and Cellular Biology, 2003, 23, 2871-2882.	2.5	151
84	Kupffer Cell-Derived Tnf Triggers Cholangiocellular Tumorigenesis through JNK due to Chronic Mitochondrial Dysfunction and ROS. Cancer Cell, 2017, 31, 771-789.e6.	16.8	150
85	cJun NH2-terminal kinase 1 (JNK1): roles in metabolic regulation of insulin resistance. Trends in Biochemical Sciences, 2010, 35, 490-496.	7.5	144
86	Activation of p38 MAPK in CD4 T cells controls IL-17 production and autoimmune encephalomyelitis. Blood, 2011, 118, 3290-3300.	1.4	144
87	JNK2 Is a Positive Regulator of the cJun Transcription Factor. Molecular Cell, 2006, 23, 899-911.	9.6	142
88	Suppression of p53-dependent senescence by the JNK signal transduction pathway. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15759-15764.	7.6	137
89	Induction of Hepatitis by JNK-Mediated Expression of TNF-Î±. Cell, 2009, 136, 249-260.	27.8	136
90	Differential activation of p38MAPK isoforms by MKK6 and MKK3. Cellular Signalling, 2010, 22, 660-667.	3.7	135

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91	Role of Muscle c-Jun NH₂-Terminal Kinase 1 in Obesity-Induced Insulin Resistance. Molecular and Cellular Biology, 2010, 30, 106-115.	2.5	134
92	Identification of a Motif in the Carboxyl Terminus of Î²-Arrestin2 Responsible for Activation of JNK3. Journal of Biological Chemistry, 2001, 276, 27770-27777.	3.5	133
93	Prevention of Steatosis by Hepatic JNK1. Cell Metabolism, 2009, 10, 491-498.	15.8	133
94	Tumor Suppressor CYLD Regulates Acute Lung Injury in Lethal Streptococcus pneumoniae Infections. Immunity, 2007, 27, 349-360.	14.2	129
95	c-Jun NH2-terminal Kinases Target the Ubiquitination of Their Associated Transcription Factors. Journal of Biological Chemistry, 1997, 272, 32163-32168.	3.5	128
96	Suppression of Ras-stimulated transformation by the JNK signal transduction pathway. Genes and Development, 2003, 17, 629-637.	5.9	128
97	c-Jun NH 2 -Terminal Kinase Inhibits Targeting of the Protein Phosphatase Calcineurin to NFATc1. Molecular and Cellular Biology, 2000, 20, 5227-5234.	2.5	126
98	Diverse Mechanisms of Myocardial p38 Mitogen-Activated Protein Kinase Activation. Circulation Research, 2003, 93, 254-261.	10.7	126
99	c-Jun NH2-Terminal Kinase (JNK)1 and JNK2 Have Distinct Roles in CD8+ T Cell Activation. Journal of Experimental Medicine, 2002, 195, 811-823.	8.8	125
100	A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. Cancer Cell, 2017, 32, 342-359.e10.	16.8	125
101	Metabolic Stress Signaling Mediated by Mixed-Lineage Kinases. Molecular Cell, 2007, 27, 498-508.	9.6	123
102	Mcl-1 Integrates the Opposing Actions of Signaling Pathways That Mediate Survival and Apoptosis. Molecular and Cellular Biology, 2009, 29, 3845-3852.	2.5	123
103	Targeting dendritic cell signaling to regulate the response to immunization. Blood, 2008, 111, 3050-3061.	1.4	120
104	Role of MLK3 in the Regulation of Mitogen-Activated Protein Kinase Signaling Cascades. Molecular and Cellular Biology, 2005, 25, 3670-3681.	2.5	117
105	A central control for cell growth. Nature, 2000, 403, 255-256.	36.2	115
106	Spinal muscular atrophy disrupts the interaction of ZPR1 with the SMN protein. Nature Cell Biology, 2001, 3, 376-383.	10.0	115
107	Regulation of MAP kinases by docking domains. Biology of the Cell, 2001, 93, 5-14.	2.0	115
108	Jun N-terminal kinase 1 regulates epithelial-to-mesenchymal transition induced by TGF-Î²1. Journal of Cell Science, 2008, 121, 1036-1045.	2.1	113

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109	GADD45Î²/GADD45Î³ and MEKK4 comprise a genetic pathway mediating STAT4-independent IFNÎ³ production in T cells. EMBO Journal, 2004, 23, 1576-1586.	8.2	109
110	AKAP-Lbc enhances cyclic AMP control of the ERK1/2 cascade. Nature Cell Biology, 2010, 12, 1242-1249.	10.0	108
111	Signal transduction by MAP kinases in T lymphocytes. Oncogene, 2001, 20, 2490-2497.	5.9	107
112	Distinct Roles of c-Jun N-Terminal Kinase Isoforms in Neurite Initiation and Elongation during Axonal Regeneration. Journal of Neuroscience, 2010, 30, 7804-7816.	3.8	107
113	Differential involvement of p38 mitogenâ€activated protein kinase kinases MKK3 and MKK6 in Tâ€cell apoptosis. EMBO Reports, 2002, 3, 785-791.	5.1	104
114	Role of the hypothalamicâ€“pituitaryâ€“thyroid axis in metabolic regulation by JNK1. Genes and Development, 2010, 24, 256-264.	5.9	104
115	TNF-stimulated MAP kinase activation mediated by a Rho family GTPase signaling pathway. Genes and Development, 2011, 25, 2069-2078.	5.9	104
116	Interaction of ZPR1 with Translation Elongation Factor-1Î± in Proliferating Cells. Journal of Cell Biology, 1998, 143, 1471-1484.	5.2	103
117	An essential role of the JIP1 scaffold protein for JNK activation in adipose tissue. Genes and Development, 2004, 18, 1976-1980.	5.9	103
118	Platelet JNK1 is involved in secretion and thrombus formation. Blood, 2010, 115, 4083-4092.	1.4	101
119	Activation of p38 Mitogen-Activated Protein Kinase In Vivo Selectively Induces Apoptosis of CD8 + but Not CD4 + T Cells. Molecular and Cellular Biology, 2000, 20, 936-946.	2.5	99
120	Mitogen-activated protein kinase kinase 3 is a pivotal pathway regulating p38 activation in inflammatory arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5484-5489.	7.6	98
121	Mnk2 Alternative Splicing Modulates the p38-MAPK Pathway and Impacts Ras-Induced Transformation. Cell Reports, 2014, 7, 501-513.	6.3	97
122	Role of JNK in Mammary Gland Development and Breast Cancer. Cancer Research, 2012, 72, 472-481.	0.9	95
123	Requirement of c-Jun NH₂-Terminal Kinase for Ras-Initiated Tumor Formation. Molecular and Cellular Biology, 2011, 31, 1565-1576.	2.5	93
124	SIGNAL TRANSDUCTION: Signaling Specificity- a Complex Affair. Science, 2001, 292, 2439-2440.	20.9	93
125	Glutamate Receptor Signaling Interplay Modulates Stress-sensitive Mitogen-activated Protein Kinases and Neuronal Cell Death. Journal of Biological Chemistry, 1999, 274, 6493-6498.	3.5	92
126	Regulation of c-Jun NH2-terminal Kinase (Jnk) Gene Expression during T Cell Activation. Journal of Experimental Medicine, 2000, 191, 139-146.	8.8	92

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127	Eukaryotic elongation factor 2 controls TNF-Î± translation in LPS-induced hepatitis. Journal of Clinical Investigation, 2013, 123, 164-178.	8.2	91
128	Analysis of InÂVitro Insulin-Resistance Models and Their Physiological Relevance to InÂVivo Diet-Induced Adipose Insulin Resistance. Cell Reports, 2013, 5, 259-270.	6.3	90
129	c-Jun NH2-Terminal Kinase 1 Plays a Critical Role in Intestinal Homeostasis and Tumor Suppression. American Journal of Pathology, 2007, 171, 297-303.	4.1	89
130	Activation of the p38 Mitogen-Activated Protein Kinase Pathway Arrests Cell Cycle Progression and Differentiation of Immature Thymocytes in Vivo. Journal of Experimental Medicine, 2000, 191, 321-334.	8.8	88
131	JNK Regulates Autocrine Expression of TGF-Î²1. Molecular Cell, 2004, 15, 269-278.	9.6	88
132	Disruption of the Jnk2 (Mapk9) gene reduces destructive insulitis and diabetes in a mouse model of type I diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6931-6935.	7.6	88
133	JNK and PTEN cooperatively control the development of invasive adenocarcinoma of the prostate. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12046-12051.	7.6	86
134	Combined Activities of JNK1 and JNK2 in Hepatocytes Protect Against Toxic Liver Injury. Gastroenterology, 2016, 150, 968-981.	1.4	85
135	Control of cellular senescence by CPEB. Genes and Development, 2006, 20, 2701-2712.	5.9	84
136	JNK initiates a cytokine cascade that causes Pax2 expression and closure of the optic fissure. Genes and Development, 2003, 17, 1271-1280.	5.9	83
137	The p65/RelA Subunit of NF-Î°B Suppresses the Sustained, Antiapoptotic Activity of Jun Kinase Induced by Tumor Necrosis Factor. Molecular and Cellular Biology, 2002, 22, 8175-8183.	2.5	81
138	VEGF/Neuropilin-2 Regulation of Bmi-1 and Consequent Repression of IGF-IR Define a Novel Mechanism of Aggressive Prostate Cancer. Cancer Discovery, 2012, 2, 906-921.	14.2	81
139	Central Melanin-Concentrating Hormone Influences Liver and Adipose Metabolism Via Specific Hypothalamic Nuclei and Efferent Autonomic/JNK1 Pathways. Gastroenterology, 2013, 144, 636-649.e6.	1.4	80
140	JNK regulates muscle remodeling via myostatin/SMAD inhibition. Nature Communications, 2018, 9, 3030.	13.2	80
141	The Cytoplasmic Zinc Finger Protein ZPR1 Accumulates in the Nucleolus of Proliferating Cells. Molecular Biology of the Cell, 1998, 9, 2963-2971.	2.5	78
142	c-Jun NH2-Terminal Kinase (JNK)1 and JNK2 Signaling Pathways Have Divergent Roles in CD8+ T Cellâ€“mediated Antiviral Immunity. Journal of Experimental Medicine, 2002, 195, 801-810.	8.8	78
143	Multiple Activation Mechanisms of p38Î± Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 2006, 281, 26225-26234.	3.5	78
144	Regulation of the Ring Finger E3 Ligase Siah2 by p38 MAPK. Journal of Biological Chemistry, 2006, 281, 35316-35326.	3.5	75

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145	A Radical Role for p38 MAPK in Tumor Initiation. Cancer Cell, 2007, 11, 101-103.	16.8	74
146	Morphogenesis of the telencephalic commissure requires scaffold protein JNK-interacting protein 3 (JIP3). Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9843-9848.	7.6	72
147	JNK-mediated Phosphorylation of Cdc25C Regulates Cell Cycle Entry and G2/M DNA Damage Checkpoint. Journal of Biological Chemistry, 2010, 285, 14217-14228.	3.5	71
148	Hepatic Dysfunction Caused by Consumption of a High-Fat Diet. Cell Reports, 2017, 21, 3317-3328.	6.3	71
149	Quantitative analysis of APP axonal transport in neurons: role of JIP1 in enhanced APP anterograde transport. Molecular Biology of the Cell, 2014, 25, 3569-3580.	2.5	70
150	SEK1/MKK4 Is Required for Maintenance of a Normal Peripheral Lymphoid Compartment but Not for Lymphocyte Development. Immunity, 1998, 8, 625-634.	14.2	67
151	The c-Jun NH2-terminal kinase is essential for epidermal growth factor expression during epidermal morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14114-14119.	7.6	67
152	JNK1 Is Required for T Cell-Mediated Immunity AgainstLeishmania majorInfection. Journal of Immunology, 2000, 165, 2671-2676.	0.8	65
153	ZPR1 Is Essential for Survival and Is Required for Localization of the Survival Motor Neurons (SMN) Protein to Cajal Bodies. Molecular and Cellular Biology, 2005, 25, 2744-2756.	2.5	65
154	Inflammation Mediated by JNK in Myeloid Cells Promotes the Development of Hepatitis and Hepatocellular Carcinoma. Cell Reports, 2016, 15, 19-26.	6.3	64
155	Microtubule Stabilization by Bone Morphogenetic Protein Receptor-Mediated Scaffolding of c-Jun N-Terminal Kinase Promotes Dendrite Formation. Molecular and Cellular Biology, 2010, 30, 2241-2250.	2.5	63
156	Hippocampal c-Jun-N-Terminal Kinases Serve as Negative Regulators of Associative Learning. Journal of Neuroscience, 2010, 30, 13348-13361.	3.8	61
157	JNK1 is required to preserve cardiac function in the early response to pressure overload. Biochemical and Biophysical Research Communications, 2006, 343, 1060-1066.	2.2	60
158	Jun NH2-terminal kinase (JNK) prevents nuclear beta-catenin accumulation and regulates axis formation in Xenopus embryos. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16313-16318.	7.6	60
159	Roles for TAB1 in regulating the IL-1-dependent phosphorylation of the TAB3 regulatory subunit and activity of the TAK1 complex. Biochemical Journal, 2008, 409, 711-722.	3.8	60
160	Functional Cooperation of the Proapoptotic Bcl2 Family Proteins Bmf and Bim In Vivo. Molecular and Cellular Biology, 2010, 30, 98-105.	2.5	60
161	H2AX Is a Target of the JNK Signaling Pathway that Is Required For Apoptotic DNA Fragmentation. Molecular Cell, 2006, 23, 152-153.	9.6	59
162	Acyl-CoA Synthetase 1 Is Induced by Gram-negative Bacteria and Lipopolysaccharide and Is Required for Phospholipid Turnover in Stimulated Macrophages. Journal of Biological Chemistry, 2013, 288, 9957-9970.	3.5	59

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163	Signaling by the JNK group of MAP kinases. c-jun N-terminal Kinase. Journal of Clinical Immunology, 2001, 21, 253-257.	3.8	57
164	MLK3 regulates bone development downstream of the faciogenital dysplasia protein FGD1 in mice. Journal of Clinical Investigation, 2011, 121, 4383-4392.	8.2	56
165	Fungal Allergen Î²-Glucans Trigger p38 Mitogen-Activated Protein Kinaseâ€“Mediated IL-6 Translation in Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 1133-1141.	3.3	55
166	Embryonic morphogenesis signaling pathway mediated by JNK targets the transcription factor JUN and the TGF-Î² homologuedecapentaplegic. Journal of Cellular Biochemistry, 1997, 67, 1-12.	2.6	53
167	MKK3-p38 signaling promotes apoptosis and the early inflammatory response in the obstructed mouse kidney. American Journal of Physiology - Renal Physiology, 2007, 293, F1556-F1563.	2.9	52
168	Proteins Kinases: Chromatin-Associated Enzymes?. Cell, 2006, 127, 887-890.	27.8	51
169	Activation of p38 Mitogen-Activated Protein Kinase Contributes to the Early Cardiodepressant Action of Tumor Necrosis Factor. Journal of the American College of Cardiology, 2006, 48, 545-555.	5.6	48
170	Identification of ROCK1 as an Upstream Activator of the JIP-3 to JNK Signaling Axis in Response to UVB Damage. Science Signaling, 2008, 1, ra14.	5.1	48
171	Jnk1 in murine hepatic stellate cells is a crucial mediator of liver fibrogenesis. Gut, 2014, 63, 1159-1172.	13.7	48
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