

J Simon C Arthur

List of Publications by Year in descending order

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163
papers

17,559
citations

13865

67
h-index

14208

128
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169
all docs

169
docs citations

169
times ranked

24465
citing authors

#	ARTICLE	IF	CITATIONS
1	The selectivity of protein kinase inhibitors: a further update. <i>Biochemical Journal</i> , 2007, 408, 297-315.	3.7	2,287
2	Mitogen-activated protein kinases in innate immunity. <i>Nature Reviews Immunology</i> , 2013, 13, 679-692.	22.7	1,375
3	MSK2 and MSK1 mediate the mitogen- and stress-induced phosphorylation of histone H3 and HMG-14. <i>EMBO Journal</i> , 2003, 22, 2788-2797.	7.8	441
4	The role of 3-phosphoinositide-dependent protein kinase 1 in activating AGC kinases defined in embryonic stem cells. <i>Current Biology</i> , 2000, 10, 439-448.	3.9	434
5	MSK1 and MSK2 Are Required for the Mitogen- and Stress-Induced Phosphorylation of CREB and ATF1 in Fibroblasts. <i>Molecular and Cellular Biology</i> , 2002, 22, 2871-2881.	2.3	417
6	Activation of the canonical IKK complex by K63/M1-linked hybrid ubiquitin chains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15247-15252.	7.1	373
7	The p38 MAPK pathway is essential for skeletogenesis and bone homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2457-2473.	8.2	343
8	Disruption of the Murine Calpain Small Subunit Gene, <i>Capn4</i> : Calpain Is Essential for Embryonic Development but Not for Cell Growth and Division. <i>Molecular and Cellular Biology</i> , 2000, 20, 4474-4481.	2.3	306
9	The kinases MSK1 and MSK2 act as negative regulators of Toll-like receptor signaling. <i>Nature Immunology</i> , 2008, 9, 1028-1036.	14.5	297
10	Signaling Pathways and Genes that Inhibit Pathogen-Induced Macrophage Apoptosisâ€” CREB and NF-Î²B as Key Regulators. <i>Immunity</i> , 2005, 23, 319-329.	14.3	289
11	Parsing Molecular and Behavioral Effects of Cocaine in Mitogen- and Stress-Activated Protein Kinase-1-Deficient Mice. <i>Journal of Neuroscience</i> , 2005, 25, 11444-11454.	3.6	263
12	The kinase p38Î± serves cell typeâ€”specific inflammatory functions in skin injury and coordinates pro- and anti-inflammatory gene expression. <i>Nature Immunology</i> , 2008, 9, 1019-1027.	14.5	250
13	Cerebral cavernous malformations arise from endothelial gain of MEK3â€”KLF2/4 signalling. <i>Nature</i> , 2016, 532, 122-126.	27.8	249
14	Posttranslational Regulation of Tristetraprolin Subcellular Localization and Protein Stability by p38 Mitogen-Activated Protein Kinase and Extracellular Signal-Regulated Kinase Pathways. <i>Molecular and Cellular Biology</i> , 2006, 26, 2408-2418.	2.3	238
15	Phosphorylation of the Protein Kinase Mutated in Peutz-Jeghers Cancer Syndrome, LKB1/STK11, at Ser431 by p90RSK and cAMP-dependent Protein Kinase, but Not Its Farnesylation at Cys433, Is Essential for LKB1 to Suppress Cell Growth. <i>Journal of Biological Chemistry</i> , 2001, 276, 19469-19482.	3.4	234
16	Generation and Characterization of p38Î² (MAPK11) Gene-Targeted Mice. <i>Molecular and Cellular Biology</i> , 2005, 25, 10454-10464.	2.3	225
17	p38Î³ regulates the localisation of SAP97 in the cytoskeleton by modulating its interaction with GKAP. <i>EMBO Journal</i> , 2005, 24, 1134-1145.	7.8	221
18	Reduced Cell Migration and Disruption of the Actin Cytoskeleton in Calpain-deficient Embryonic Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 48382-48388.	3.4	215

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19	The Nuclear Kinase Mitogen- and Stress-Activated Protein Kinase 1 Regulates Hippocampal Chromatin Remodeling in Memory Formation. <i>Journal of Neuroscience</i> , 2007, 27, 12732-12742.	3.6	211
20	Phosphorylation of CRT3 by the salt-inducible kinases controls the interconversion of classically activated and regulatory macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16986-16991.	7.1	210
21	PGE2 Induces Macrophage IL-10 Production and a Regulatory-like Phenotype via a Protein Kinase A-SIK-CRT3 Pathway. <i>Journal of Immunology</i> , 2013, 190, 565-577.	0.8	197
22	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , 2010, 428, 281-291.	3.7	195
23	Structure of a calpain Ca ²⁺ -binding domain reveals a novel EF-hand and Ca ²⁺ -induced conformational changes. <i>Nature Structural Biology</i> , 1997, 4, 532-538.	9.7	192
24	Mitogen- and Stress-Activated Protein Kinase 1 Mediates cAMP Response Element-Binding Protein Phosphorylation and Activation by Neurotrophins. <i>Journal of Neuroscience</i> , 2004, 24, 4324-4332.	3.6	188
25	The I κ B Kinase Family Phosphorylates the Parkinson's Disease Kinase LRRK2 at Ser935 and Ser910 during Toll-Like Receptor Signaling. <i>PLoS ONE</i> , 2012, 7, e39132.	2.5	183
26	The forced swimming-induced behavioural immobility response involves histone H3 phosphoacetylation and cFos induction in dentate gyrus granule neurons via activation of the methylated aspartate/extracellular signal-regulated kinase/mitogen- and stress-activated kinase signalling pathway. <i>European Journal of Neuroscience</i> , 2008, 27, 2701-2713.	2.6	176
27	MSK1 is required for CREB phosphorylation in response to mitogens in mouse embryonic stem cells. <i>FEBS Letters</i> , 2000, 482, 44-48.	2.8	175
28	Pim kinases phosphorylate multiple sites on Bad and promote 14-3-3 binding and dissociation from Bcl-XL. <i>BMC Cell Biology</i> , 2006, 7, 1.	3.0	174
29	GPR55 ligands promote receptor coupling to multiple signalling pathways. <i>British Journal of Pharmacology</i> , 2010, 160, 604-614.	5.4	171
30	In vivo role of the PIF-binding docking site of PDK1 defined by knock-in mutation. <i>EMBO Journal</i> , 2003, 22, 4202-4211.	7.8	166
31	Polyubiquitin Binding to Optineurin Is Required for Optimal Activation of TANK-binding Kinase 1 and Production of Interferon β . <i>Journal of Biological Chemistry</i> , 2011, 286, 35663-35674.	3.4	152
32	MSK1 activity is controlled by multiple phosphorylation sites. <i>Biochemical Journal</i> , 2005, 387, 507-517.	3.7	148
33	Polyubiquitin binding to ABIN1 is required to prevent autoimmunity. <i>Journal of Experimental Medicine</i> , 2011, 208, 1215-1228.	8.5	146
34	MSK activation and physiological roles. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5866.	3.0	142
35	The Cerebral Cavemous Malformation Pathway Controls Cardiac Development via Regulation of Endocardial MEK3 Signaling and KLF Expression. <i>Developmental Cell</i> , 2015, 32, 168-180.	7.0	137
36	Cooperative Control of Holliday Junction Resolution and DNA Repair by the SLX1 and MUS81-EME1 Nucleases. <i>Molecular Cell</i> , 2013, 52, 221-233.	9.7	132

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37	The in vivo role of PtdIns(3,4,5)P3 binding to PDK1 PH domain defined by knockin mutation. <i>EMBO Journal</i> , 2004, 23, 2071-2082.	7.8	131
38	m-Calpain is required for preimplantation embryonic development in mice. <i>BMC Developmental Biology</i> , 2006, 6, 3.	2.1	130
39	The MAPK-activated kinase Rsk controls an acute Toll-like receptor signaling response in dendritic cells and is activated through two distinct pathways. <i>Nature Immunology</i> , 2007, 8, 1227-1235.	14.5	128
40	Indirect Inhibition of Toll-like Receptor and Type I Interferon Responses by ITAM-Coupled Receptors and Integrins. <i>Immunity</i> , 2010, 32, 518-530.	14.3	127
41	CREB phosphorylation at Ser133 regulates transcription via distinct mechanisms downstream of cAMP and MAPK signalling. <i>Biochemical Journal</i> , 2014, 458, 469-479.	3.7	123
42	miR-132/212 Knockout Mice Reveal Roles for These miRNAs in Regulating Cortical Synaptic Transmission and Plasticity. <i>PLoS ONE</i> , 2013, 8, e62509.	2.5	122
43	Inhibition of JAKs in Macrophages Increases Lipopolysaccharide-Induced Cytokine Production by Blocking IL-10-Mediated Feedback. <i>Journal of Immunology</i> , 2012, 189, 2784-2792.	0.8	119
44	RAS-MAPK-MSK1 pathway modulates ataxin 1 protein levels and toxicity in SCA1. <i>Nature</i> , 2013, 498, 325-331.	27.8	119
45	CXCL12 and C5a trigger cell migration via a PAK1/2-p38-MAPK-MAPKAP-K2-HSP27 pathway. <i>Cellular Signalling</i> , 2006, 18, 1897-1905.	3.6	116
46	Knockout of ERK5 causes multiple defects in placental and embryonic development. <i>BMC Developmental Biology</i> , 2003, 3, 11.	2.1	114
47	Phosphorylation of FOXO3a on Ser-7 by p38 Promotes Its Nuclear Localization in Response to Doxorubicin. <i>Journal of Biological Chemistry</i> , 2012, 287, 1545-1555.	3.4	112
48	MSKs are required for the transcription of the nuclear orphan receptors <i>Nur77</i> , <i>Nurr1</i> and <i>Nor1</i> downstream of MAPK signalling. <i>Biochemical Journal</i> , 2005, 390, 749-759.	3.7	106
49	Regulation of miRNA Transcription in Macrophages in Response to <i>Candida albicans</i> . <i>PLoS ONE</i> , 2010, 5, e13669.	2.5	106
50	p38 β and p38 δ kinases regulate the Toll-like receptor 4 (TLR4)-induced cytokine production by controlling ERK1/2 protein kinase pathway activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11200-11205.	7.1	105
51	RIG-I-mediated Activation of p38 MAPK Is Essential for Viral Induction of Interferon and Activation of Dendritic Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 10774-10782.	3.4	104
52	The E3 ligase HOIL-1 catalyses ester bond formation between ubiquitin and components of the Myddosome in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13293-13298.	7.1	102
53	MAP kinase-mediated phosphorylation of distinct pools of histone H3 at S10 or S28 via mitogen- and stress-activated kinase 1/2. <i>Journal of Cell Science</i> , 2005, 118, 2247-2259.	2.0	101
54	Development of Selective Covalent Janus Kinase 3 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6589-6606.	6.4	94

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55	Targeted deletion of miR-132/-212 impairs memory and alters the hippocampal transcriptome. <i>Learning and Memory</i> , 2016, 23, 61-71.	1.3	93
56	Autolysis, Ca ²⁺ Requirement, and Heterodimer Stability in m-Calpain. <i>Journal of Biological Chemistry</i> , 1997, 272, 11268-11275.	3.4	90
57	Two Phases of Inflammatory Mediator Production Defined by the Study of IRAK2 and IRAK1 Knock-in Mice. <i>Journal of Immunology</i> , 2013, 191, 2717-2730.	0.8	89
58	Dimethyl fumarate blocks pro-inflammatory cytokine production via inhibition of TLR induced M1 and K63 ubiquitin chain formation. <i>Scientific Reports</i> , 2016, 6, 31159.	3.3	89
59	Roles of the TRAF6 and Pellino E3 ligases in MyD88 and RANKL signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3481-E3489.	7.1	88
60	A Large Polysaccharide Produced by <i>Helicobacter hepaticus</i> Induces an Anti-inflammatory Gene Signature in Macrophages. <i>Cell Host and Microbe</i> , 2017, 22, 733-745.e5.	11.0	88
61	Nur77 is phosphorylated in cells by RSK in response to mitogenic stimulation. <i>Biochemical Journal</i> , 2006, 393, 715-724.	3.7	84
62	The Catalytic Subunit of the System L1 Amino Acid Transporter (Slc7a5) Facilitates Nutrient Signalling in Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2014, 9, e89547.	2.5	83
63	Dectin-1 Regulates IL-10 Production via a MSK1/2 and CREB Dependent Pathway and Promotes the Induction of Regulatory Macrophage Markers. <i>PLoS ONE</i> , 2013, 8, e60086.	2.5	81
64	Emerging Roles of the Mitogen and Stress Activated Kinases MSK1 and MSK2. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 56.	3.7	76
65	Cross Talk between the Akt and p38 ^{MAPK} Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2013, 33, 4152-4165.	2.3	74
66	p38 ^{MAPK} Mitogen-Activated Protein Kinase Is Essential for Skin Tumor Development in Mice. <i>Cancer Research</i> , 2009, 69, 4648-4655.	0.9	72
67	C-terminal phosphorylation controls the stability and function of p27kip1. <i>EMBO Journal</i> , 2006, 25, 5159-5170.	7.8	69
68	MSK1 Regulates Homeostatic and Experience-Dependent Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2012, 32, 13039-13051.	3.6	67
69	Phosphorylation of cAMP-specific PDE4A5 (phosphodiesterase-4A5) by MK2 (MAPKAPK2) attenuates its activation through protein kinase A phosphorylation. <i>Biochemical Journal</i> , 2011, 435, 755-769.	3.7	63
70	STAT3 activation by E6 is essential for the differentiation-dependent HPV18 life cycle. <i>PLoS Pathogens</i> , 2018, 14, e1006975.	4.7	62
71	A novel UBA and UBX domain protein that binds polyubiquitin and VCP and is a substrate for SAPKs. <i>Biochemical Journal</i> , 2004, 384, 391-400.	3.7	61
72	The phosphorylation of CapZ-interacting protein (CapZIP) by stress-activated protein kinases triggers its dissociation from CapZ. <i>Biochemical Journal</i> , 2005, 389, 127-135.	3.7	60

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73	Glutamate induces histone H3 phosphorylation but not acetylation in striatal neurons: role of mitogen- and stress-activated kinase-1. <i>Journal of Neurochemistry</i> , 2006, 101, 697-708.	3.9	60
74	Genetic variations in A20 DUB domain provide a genetic link to citrullination and neutrophil extracellular traps in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1363-1370.	0.9	60
75	Roles for TAB1 in regulating the IL-1-dependent phosphorylation of the TAB3 regulatory subunit and activity of the TAK1 complex. <i>Biochemical Journal</i> , 2008, 409, 711-722.	3.7	59
76	Characterization of the cellular action of the MSK inhibitor SB-747651A. <i>Biochemical Journal</i> , 2012, 441, 347-357.	3.7	59
77	P38 delta MAPK promotes breast cancer progression and lung metastasis by enhancing cell proliferation and cell detachment. <i>Oncogene</i> , 2017, 36, 6649-6657.	5.9	59
78	Inhibition of SIK2 and SIK3 during differentiation enhances the anti-inflammatory phenotype of macrophages. <i>Biochemical Journal</i> , 2017, 474, 521-537.	3.7	57
79	Active site residues in m-calpain: identification by site-directed mutagenesis. <i>FEBS Letters</i> , 1995, 368, 397-400.	2.8	56
80	Activation of the Mitogen- and Stress-activated Kinase 1 by Arsenic Trioxide. <i>Journal of Biological Chemistry</i> , 2006, 281, 22446-22452.	3.4	55
81	Stress induced gene expression: a direct role for MAPKAP kinases in transcriptional activation of immediate early genes. <i>Nucleic Acids Research</i> , 2011, 39, 2503-2518.	14.5	54
82	The effects of truncations of the small subunit on m-calpain activity and heterodimer formation. <i>Biochemical Journal</i> , 1997, 326, 31-38.	3.7	53
83	Genetic analysis of specific and redundant roles for p38 ^α and p38 ^β MAPKs during mouse development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12764-12769.	7.1	53
84	Investigation of the interaction of m-calpain with phospholipids: calpain-phospholipid interactions. <i>BBA - Proteins and Proteomics</i> , 1996, 1293, 201-206.	2.1	52
85	Identification of novel phosphorylation sites in MSK1 by precursor ion scanning MS. <i>Biochemical Journal</i> , 2007, 402, 491-501.	3.7	52
86	Calpain Zymography with Casein or Fluorescein Isothiocyanate Casein. , 2000, 144, 109-116.		51
87	Identification of the protein kinases that activate the E3 ubiquitin ligase Pellino 1 in the innate immune system. <i>Biochemical Journal</i> , 2012, 441, 339-346.	3.7	51
88	Nrf2 activation reprograms macrophage intermediary metabolism and suppresses the type I interferon response. <i>IScience</i> , 2022, 25, 103827.	4.1	51
89	The kinase MSK1 is required for induction of c-fos by lysophosphatidic acid in mouse embryonic stem cells. <i>BMC Molecular Biology</i> , 2003, 4, 6.	3.0	49
90	Accelerated apoptotic death and in vivo turnover of erythrocytes in mice lacking functional mitogen- and stress-activated kinase MSK1/2. <i>Scientific Reports</i> , 2015, 5, 17316.	3.3	49

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91	Subverting Toll-Like Receptor Signaling by Bacterial Pathogens. <i>Frontiers in Immunology</i> , 2015, 6, 607.	4.8	47
92	Suppression of IRAK1 or IRAK4 Catalytic Activity, but Not Type 1 IFN Signaling, Prevents Lupus Nephritis in Mice Expressing a Ubiquitin Bindingâ€œDefective Mutant of ABIN1. <i>Journal of Immunology</i> , 2016, 197, 4266-4273.	0.8	46
93	Identifying Inhibitors of Inflammation: A Novel High-Throughput MALDI-TOF Screening Assay for Salt-Inducible Kinases (SIKs). <i>SLAS Discovery</i> , 2017, 22, 1193-1202.	2.7	46
94	Mitogen and stress response kinase-1 (MSK1) mediates excitotoxic induced death of hippocampal neurones. <i>Journal of Neurochemistry</i> , 2004, 86, 25-32.	3.9	42
95	<sc>IL</sc>â€³ regulates cytokine production and neutrophil recruitment via the p38 <sc>MAPK</sc>â€activated kinases <sc>MK</sc>2/3. <i>Immunology and Cell Biology</i> , 2019, 97, 54-71.	2.3	42
96	MSK1 regulates the transcription of IL-1ra in response to TLR activation in macrophages. <i>Biochemical Journal</i> , 2010, 425, 595-602.	3.7	41
97	Synthesis and structureâ€activity relationships of a novel series of pyrimidines as potent inhibitors of TBK1/IKKÎµ kinases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7169-7173.	2.2	40
98	MSK1 and MSK2 Inhibit Lipopolysaccharide-Induced Prostaglandin Production via an Interleukin-10 Feedback Loop. <i>Molecular and Cellular Biology</i> , 2013, 33, 1456-1467.	2.3	38
99	MSK1 regulates environmental enrichment-induced hippocampal plasticity and cognitive enhancement. <i>Learning and Memory</i> , 2012, 19, 550-560.	1.3	37
100	An H3K9/S10 methyl-phospho switch modulates Polycomb and Pol II binding at repressed genes during differentiation. <i>Molecular Biology of the Cell</i> , 2014, 25, 904-915.	2.1	35
101	Post-translational control of Nur77. <i>Biochemical Society Transactions</i> , 2006, 34, 1107-1109.	3.4	34
102	Evaluation of Approaches to Generation of Tissue-specific Knock-in Mice. <i>Journal of Biological Chemistry</i> , 2006, 281, 28772-28781.	3.4	34
103	Pellino1 Is Required for Interferon Production by Viral Double-stranded RNA*. <i>Journal of Biological Chemistry</i> , 2012, 287, 34825-34835.	3.4	33
104	PDK1 regulates VDJ recombination, cell-cycle exit and survival during B-cell development. <i>EMBO Journal</i> , 2013, 32, 1008-1022.	7.8	32
105	Transcriptional Regulation of IL-10 and Its Cell-Specific Role In Vivo. <i>Critical Reviews in Immunology</i> , 2014, 34, 315-345.	0.5	32
106	The PP4R1 sub-unit of protein phosphatase PP4 is essential for inhibition of NF-ÎB by merkel polyomavirus small tumour antigen. <i>Oncotarget</i> , 2017, 8, 25418-25432.	1.8	32
107	Ca ²⁺ â€Binding domain VI of rat calpain is a homodimer in solution: Hydrodynamic, crystallization and preliminary Xâ€ray diffraction studies. <i>Protein Science</i> , 1996, 5, 535-537.	7.6	31
108	Mir-132/212 is required for maturation of binocular matching of orientation preference and depth perception. <i>Nature Communications</i> , 2017, 8, 15488.	12.8	31

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109	Mice Lacking MSK1 and MSK2 Show Reduced Skin Tumor Development in a Two-Stage Chemical Carcinogenesis Model. <i>Cancer Investigation</i> , 2011, 29, 240-245.	1.3	30
110	The activation of p38alpha, and not p38beta, mitogen-activated protein kinase is required for ischemic preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1324-1328.	1.9	29
111	X-ray Crystal Structure of ERK5 (MAPK7) in Complex with a Specific Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4413-4421.	6.4	29
112	Dimethyl fumarate is an allosteric covalent inhibitor of the p90 ribosomal S6 kinases. <i>Nature Communications</i> , 2018, 9, 4344.	12.8	28
113	p38 MAPK signalling regulates cytokine production in IL-33 stimulated Type 2 Innate Lymphoid cells. <i>Scientific Reports</i> , 2020, 10, 3479.	3.3	28
114	MSK regulate TCR α -induced CREB phosphorylation but not immediate early gene transcription. <i>European Journal of Immunology</i> , 2007, 37, 2583-2595.	2.9	26
115	Evidence of p38 β and p38 δ involvement in cell transformation processes. <i>Carcinogenesis</i> , 2011, 32, 1093-1099.	2.8	26
116	m-Calpain subunits remain associated in the presence of calcium. <i>FEBS Letters</i> , 1998, 436, 367-371.	2.8	25
117	Mitogen and stress-activated kinases 1/2 regulate ischemia-induced hippocampal progenitor cell proliferation and neurogenesis. <i>Neuroscience</i> , 2015, 285, 292-302.	2.3	25
118	IFN γ autocrine feedback is required to sustain TLR induced production of MCP β in macrophages. <i>FEBS Letters</i> , 2013, 587, 1496-1503.	2.8	24
119	Insulin-Stimulated Glucose Uptake Does Not Require p38 Mitogen-Activated Protein Kinase in Adipose Tissue or Skeletal Muscle. <i>Diabetes</i> , 2005, 54, 3161-3168.	0.6	23
120	Signaling Downstream of p38 in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2006, 126, 1689-1691.	0.7	23
121	Generation of a conditional CREB Ser133Ala knockin mouse. <i>Genesis</i> , 2009, 47, 688-696.	1.6	23
122	p38 δ and p38 β Mitogen-Activated Protein Kinases Determine Cholinergic Transdifferentiation of Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2011, 31, 12059-12067.	3.6	22
123	Loss of Functionally Redundant p38 Isoforms in T Cells Enhances Regulatory T Cell Induction. <i>Journal of Biological Chemistry</i> , 2017, 292, 1762-1772.	3.4	22
124	ERK5 regulation in naive T α cell activation and survival. <i>European Journal of Immunology</i> , 2008, 38, 2534-2547.	2.9	21
125	p38 β regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. <i>Journal of Cell Science</i> , 2010, 123, 2596-2604.	2.0	21
126	Roles of individual EF-hands in the activation of m-calpain by calcium. <i>Biochemical Journal</i> , 2000, 348, 37.	3.7	20

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127	Differential control of Toll-like receptor 4-induced interleukin-10 induction in macrophages and B cells reveals a role for p90 ribosomal S6 kinases. <i>Journal of Biological Chemistry</i> , 2018, 293, 2302-2317.	3.4	20
128	The Kinase Function of MSK1 Regulates BDNF Signaling to CREB and Basal Synaptic Transmission, But Is Not Required for Hippocampal Long-Term Potentiation or Spatial Memory. <i>ENeuro</i> , 2017, 4, ENEURO.0212-16.2017.	1.9	20
129	The role of mitogen- and stress-activated protein kinase 1 and 2 in chronic skin inflammation in mice. <i>Experimental Dermatology</i> , 2011, 20, 140-145.	2.9	19
130	Beta Interferon Production Is Regulated by p38 Mitogen-Activated Protein Kinase in Macrophages via both MSK1/2- and Tristetraprolin-Dependent Pathways. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	19
131	Mitogen- and stress-activated kinases regulate progenitor cell proliferation and neuron development in the adult dentate gyrus. <i>Journal of Neurochemistry</i> , 2012, 123, 676-688.	3.9	18
132	Crystallization and X-ray crystallographic analysis of m-calpain, a Ca ²⁺ -dependent protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1484-1486.	2.5	17
133	Comparison of the specificity of Trk inhibitors in recombinant and neuronal assays. <i>Neuropharmacology</i> , 2011, 61, 148-155.	4.1	17
134	Met acts through Abl to regulate p53 transcriptional outcomes and cell survival in the developing liver. <i>Journal of Hepatology</i> , 2012, 57, 1292-1298.	3.7	17
135	Mitogen- and stress-activated protein kinase 1 modulates photic entrainment of the suprachiasmatic circadian clock. <i>European Journal of Neuroscience</i> , 2013, 37, 130-140.	2.6	17
136	Distinct signals and immune cells drive liver pathology and glomerulonephritis in ABIN1[D485N] mice. <i>Life Science Alliance</i> , 2019, 2, e201900533.	2.8	17
137	Structure of the mouse calpain small subunit gene. <i>BBA - Proteins and Proteomics</i> , 1998, 1388, 247-252.	2.1	15
138	ERK5 pathway regulates the phosphorylation of tumour suppressor hDlg during mitosis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 84-90.	2.1	15
139	Micro-CT Imaging Reveals Mekk3 Heterozygosity Prevents Cerebral Cavernous Malformations in Ccm2-Deficient Mice. <i>PLoS ONE</i> , 2016, 11, e0160833.	2.5	15
140	The loop structure and the RNA helicase p72/DDX17 influence the processing efficiency of the mice miR-132. <i>Scientific Reports</i> , 2016, 6, 22848.	3.3	15
141	Selective kinase inhibitors as tools for neuroscience research. <i>Neuropharmacology</i> , 2012, 63, 1227-1237.	4.1	14
142	Salt-inducible kinases are required for the IL-33-dependent secretion of cytokines and chemokines in mast cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100428.	3.4	14
143	A dominant mutation in <i>MAPKAPK3</i> , an actor of p38 signaling pathway, causes a new retinal dystrophy involving Bruch's membrane and retinal pigment epithelium. <i>Human Molecular Genetics</i> , 2016, 25, 916-926.	2.9	13
144	MSK1 regulates transcriptional induction of Arc/Arg3.1 in response to neurotrophins. <i>FEBS Open Bio</i> , 2017, 7, 821-834.	2.3	13

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