

# J Simon C Arthur

## List of Publications by Citations

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160  
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169  
ext. papers

16,301  
ext. citations

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#	Paper	IF	Citations
160	The selectivity of protein kinase inhibitors: a further update. <i>Biochemical Journal</i> , <b>2007</b> , 408, 297-315	3.8	2080
159	Mitogen-activated protein kinases in innate immunity. <i>Nature Reviews Immunology</i> , <b>2013</b> , 13, 679-92	36.5	993
158	The role of 3-phosphoinositide-dependent protein kinase 1 in activating AGC kinases defined in embryonic stem cells. <i>Current Biology</i> , <b>2000</b> , 10, 439-48	6.3	404
157	MSK2 and MSK1 mediate the mitogen- and stress-induced phosphorylation of histone H3 and HMG-14. <i>EMBO Journal</i> , <b>2003</b> , 22, 2788-97	13	402
156	MSK1 and MSK2 are required for the mitogen- and stress-induced phosphorylation of CREB and ATF1 in fibroblasts. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 2871-81	4.8	377
155	The p38 MAPK pathway is essential for skeletogenesis and bone homeostasis in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2457-73	15.9	295
154	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> , <b>2013</b> , 110, 15247-52	11.5	292
153	Disruption of the murine calpain small subunit gene, Capn4: calpain is essential for embryonic development but not for cell growth and division. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 4474-81	4.8	286
152	Signaling pathways and genes that inhibit pathogen-induced macrophage apoptosis--CREB and NF-kappaB as key regulators. <i>Immunity</i> , <b>2005</b> , 23, 319-29	32.3	253
151	The kinases MSK1 and MSK2 act as negative regulators of Toll-like receptor signaling. <i>Nature Immunology</i> , <b>2008</b> , 9, 1028-36	19.1	248
150	Parsing molecular and behavioral effects of cocaine in mitogen- and stress-activated protein kinase-1-deficient mice. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 11444-54	6.6	242
149	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> , <b>2006</b> , 26, 2408-18	4.8	218
148	The kinase p38 alpha serves cell type-specific inflammatory functions in skin injury and coordinates pro- and anti-inflammatory gene expression. <i>Nature Immunology</i> , <b>2008</b> , 9, 1019-27	19.1	214
147	Generation and characterization of p38beta (MAPK11) gene-targeted mice. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 10454-64	4.8	204
146	Phosphorylation of the protein kinase mutated in Peutz-Jeghers cancer syndrome, LKB1/STK11, at Ser431 by p90(RSK) and cAMP-dependent protein kinase, but not its farnesylation at Cys(433), is essential for LKB1 to suppress cell growth. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 19469-82	5.4	202
145	Reduced cell migration and disruption of the actin cytoskeleton in calpain-deficient embryonic fibroblasts. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 48382-8	5.4	197
144	The nuclear kinase mitogen- and stress-activated protein kinase 1 regulates hippocampal chromatin remodeling in memory formation. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 12732-42	6.6	195

143	p38gamma regulates the localisation of SAP97 in the cytoskeleton by modulating its interaction with GKAP. <i>EMBO Journal</i> , <b>2005</b> , 24, 1134-45	13	194
142	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , <b>2010</b> , 428, 281-91	3.8	173
141	Mitogen- and stress-activated protein kinase 1 mediates cAMP response element-binding protein phosphorylation and activation by neurotrophins. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 4324-32	6.6	173
140	Cerebral cavernous malformations arise from endothelial gain of MEKK3-KLF2/4 signalling. <i>Nature</i> , <b>2016</b> , 532, 122-6	50.4	164
139	Structure of a calpain Ca(2+)-binding domain reveals a novel EF-hand and Ca(2+)-induced conformational changes. <i>Nature Structural Biology</i> , <b>1997</b> , 4, 532-8		162
138	The forced swimming-induced behavioural immobility response involves histone H3 phospho-acetylation and c-Fos induction in dentate gyrus granule neurons via activation of the N-methyl-D-aspartate/extracellular signal-regulated kinase/mitogen- and stress-activated kinase signalling pathway. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 2781-13	3.5	160
137	MSK1 is required for CREB phosphorylation in response to mitogens in mouse embryonic stem cells. <i>FEBS Letters</i> , <b>2000</b> , 482, 44-8	3.8	157
136	GPR55 ligands promote receptor coupling to multiple signalling pathways. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 604-14	8.6	156
135	PGE(2) induces macrophage IL-10 production and a regulatory-like phenotype via a protein kinase A-SIK-CRTC3 pathway. <i>Journal of Immunology</i> , <b>2013</b> , 190, 565-77	5.3	155
134	The IkkappaB kinase family phosphorylates the Parkinson's disease kinase LRRK2 at Ser935 and Ser910 during Toll-like receptor signaling. <i>PLoS ONE</i> , <b>2012</b> , 7, e39132	3.7	154
133	Phosphorylation of CRTC3 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> , <b>2012</b> , 109, 16986-91	11.5	153
132	In vivo role of the PIF-binding docking site of PDK1 defined by knock-in mutation. <i>EMBO Journal</i> , <b>2003</b> , 22, 4202-11	13	149
131	Pim kinases phosphorylate multiple sites on Bad and promote 14-3-3 binding and dissociation from Bcl-XL. <i>BMC Cell Biology</i> , <b>2006</b> , 7, 1		147
130	MSK1 activity is controlled by multiple phosphorylation sites. <i>Biochemical Journal</i> , <b>2005</b> , 387, 507-17	3.8	132
129	MSK activation and physiological roles. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 5866-79	2.8	126
128	Polyubiquitin binding to optineurin is required for optimal activation of TANK-binding kinase 1 and production of interferon $\beta$ . <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 35663-35674	5.4	125
127	The in vivo role of PtdIns(3,4,5)P3 binding to PDK1 PH domain defined by knockin mutation. <i>EMBO Journal</i> , <b>2004</b> , 23, 2071-82	13	120
126	Cooperative control of holliday junction resolution and DNA repair by the SLX1 and MUS81-EME1 nucleases. <i>Molecular Cell</i> , <b>2013</b> , 52, 221-33	17.6	115

125	Polyubiquitin binding to ABIN1 is required to prevent autoimmunity. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 1215-28	16.6	113
124	Indirect inhibition of Toll-like receptor and type I interferon responses by ITAM-coupled receptors and integrins. <i>Immunity</i> , <b>2010</b> , 32, 518-30	32.3	110
123	m-Calpain is required for preimplantation embryonic development in mice. <i>BMC Developmental Biology</i> , <b>2006</b> , 6, 3	3.1	109
122	CXCL12 and C5a trigger cell migration via a PAK1/2-p38alpha MAPK-MAPKAP-K2-HSP27 pathway. <i>Cellular Signalling</i> , <b>2006</b> , 18, 1897-905	4.9	107
121	miR-132/212 knockout mice reveal roles for these miRNAs in regulating cortical synaptic transmission and plasticity. <i>PLoS ONE</i> , <b>2013</b> , 8, e62509	3.7	103
120	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> , <b>2007</b> , 8, 1227-35	19.1	103
119	RAS-MAPK-MSK1 pathway modulates ataxin 1 protein levels and toxicity in SCA1. <i>Nature</i> , <b>2013</b> , 498, 325-331	50.4	101
118	Knockout of ERK5 causes multiple defects in placental and embryonic development. <i>BMC Developmental Biology</i> , <b>2003</b> , 3, 11	3.1	101
117	The cerebral cavernous malformation pathway controls cardiac development via regulation of endocardial MEKK3 signaling and KLF expression. <i>Developmental Cell</i> , <b>2015</b> , 32, 168-80	10.2	98
116	MSKs are required for the transcription of the nuclear orphan receptors Nur77, Nurr1 and Nor1 downstream of MAPK signalling. <i>Biochemical Journal</i> , <b>2005</b> , 390, 749-59	3.8	98
115	Phosphorylation of FOXO3a on Ser-7 by p38 promotes its nuclear localization in response to doxorubicin. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 1545-55	5.4	97
114	Regulation of miRNA transcription in macrophages in response to <i>Candida albicans</i> . <i>PLoS ONE</i> , <b>2010</b> , 5, e13669	3.7	93
113	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> , <b>2005</b> , 118, 2247-59	5.3	93
112	Inhibition of JAKs in macrophages increases lipopolysaccharide-induced cytokine production by blocking IL-10-mediated feedback. <i>Journal of Immunology</i> , <b>2012</b> , 189, 2784-92	5.3	92
111	CREB phosphorylation at Ser133 regulates transcription via distinct mechanisms downstream of cAMP and MAPK signalling. <i>Biochemical Journal</i> , <b>2014</b> , 458, 469-79	3.8	88
110	RIG-I-mediated activation of p38 MAPK is essential for viral induction of interferon and activation of dendritic cells: dependence on TRAF2 and TAK1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10774-82	5.4	83
109	p38 and p38 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> , <b>2012</b> , 109, 11200-5	11.5	79
108	Nur77 is phosphorylated in cells by RSK in response to mitogenic stimulation. <i>Biochemical Journal</i> , <b>2006</b> , 393, 715-24	3.8	74

107	Development of Selective Covalent Janus Kinase 3 Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 6589-606	8.3	70
106	Autolysis, Ca <sup>2+</sup> requirement, and heterodimer stability in m-calpain. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 11268-75	5.4	69
105	p38delta Mitogen-activated protein kinase is essential for skin tumor development in mice. <i>Cancer Research</i> , <b>2009</b> , 69, 4648-55	10.1	66
104	Two phases of inflammatory mediator production defined by the study of IRAK2 and IRAK1 knock-in mice. <i>Journal of Immunology</i> , <b>2013</b> , 191, 2717-30	5.3	64
103	C-terminal phosphorylation controls the stability and function of p27kip1. <i>EMBO Journal</i> , <b>2006</b> , 25, 5159-70	10	64
102	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> , <b>2017</b> , 114, E3481-E3489	11.5	61
101	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> , <b>2013</b> , 8, e60086	3.7	61
100	Targeted deletion of miR-132/-212 impairs memory and alters the hippocampal transcriptome. <i>Learning and Memory</i> , <b>2016</b> , 23, 61-71	2.8	60
99	Dimethyl fumarate blocks pro-inflammatory cytokine production via inhibition of TLR induced M1 and K63 ubiquitin chain formation. <i>Scientific Reports</i> , <b>2016</b> , 6, 31159	4.9	60
98	A Large Polysaccharide Produced by Helicobacter hepaticus Induces an Anti-inflammatory Gene Signature in Macrophages. <i>Cell Host and Microbe</i> , <b>2017</b> , 22, 733-745.e5	23.4	59
97	MSK1 regulates homeostatic and experience-dependent synaptic plasticity. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 13039-51	6.6	56
96	The catalytic subunit of the system L1 amino acid transporter (slc7a5) facilitates nutrient signalling in mouse skeletal muscle. <i>PLoS ONE</i> , <b>2014</b> , 9, e89547	3.7	55
95	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> , <b>2008</b> , 409, 711-22	3.8	55
94	A novel UBA and UBX domain protein that binds polyubiquitin and VCP and is a substrate for SAPKs. <i>Biochemical Journal</i> , <b>2004</b> , 384, 391-400	3.8	55
93	Cross talk between the Akt and p38 pathways in macrophages downstream of Toll-like receptor signaling. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 4152-65	4.8	54
92	Glutamate induces histone H3 phosphorylation but not acetylation in striatal neurons: role of mitogen- and stress-activated kinase-1. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 697-708	6	52
91	The phosphorylation of CapZ-interacting protein (CapZIP) by stress-activated protein kinases triggers its dissociation from CapZ. <i>Biochemical Journal</i> , <b>2005</b> , 389, 127-35	3.8	50
90	Investigation of the interaction of m-calpain with phospholipids: calpain-phospholipid interactions. <i>BBA - Proteins and Proteomics</i> , <b>1996</b> , 1293, 201-6		50

89	The effects of truncations of the small subunit on m-calpain activity and heterodimer formation. <i>Biochemical Journal</i> , <b>1997</b> , 326 ( Pt 1), 31-8	3.8	49
88	Phosphorylation of cAMP-specific PDE4A5 (phosphodiesterase-4A5) by MK2 (MAPKAPK2) attenuates its activation through protein kinase A phosphorylation. <i>Biochemical Journal</i> , <b>2011</b> , 435, 755-69	3.8	48
87	Activation of the mitogen- and stress-activated kinase 1 by arsenic trioxide. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 22446-52	5.4	48
86	Stress induced gene expression: a direct role for MAPKAP kinases in transcriptional activation of immediate early genes. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 2503-18	20.1	47
85	Emerging Roles of the Mitogen and Stress Activated Kinases MSK1 and MSK2. <i>Frontiers in Cell and Developmental Biology</i> , <b>2016</b> , 4, 56	5.7	46
84	P38 delta MAPK promotes breast cancer progression and lung metastasis by enhancing cell proliferation and cell detachment. <i>Oncogene</i> , <b>2017</b> , 36, 6649-6657	9.2	45
83	Identification of the protein kinases that activate the E3 ubiquitin ligase Pellino 1 in the innate immune system. <i>Biochemical Journal</i> , <b>2012</b> , 441, 339-46	3.8	44
82	Identification of novel phosphorylation sites in MSK1 by precursor ion scanning MS. <i>Biochemical Journal</i> , <b>2007</b> , 402, 491-501	3.8	44
81	The kinase MSK1 is required for induction of c-fos by lysophosphatidic acid in mouse embryonic stem cells. <i>BMC Molecular Biology</i> , <b>2003</b> , 4, 6	4.5	44
80	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> , <b>2019</b> , 116, 13293-13298	11.5	43
79	Active site residues in m-calpain: identification by site-directed mutagenesis. <i>FEBS Letters</i> , <b>1995</b> , 368, 397-400	3.8	43
78	Characterization of the cellular action of the MSK inhibitor SB-747651A. <i>Biochemical Journal</i> , <b>2012</b> , 441, 347-57	3.8	41
77	Genetic analysis of specific and redundant roles for p38alpha and p38beta MAPKs during mouse development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 12764-9	11.5	40
76	Calpain zymography with casein or fluorescein isothiocyanate casein. <i>Methods in Molecular Biology</i> , <b>2000</b> , 144, 109-16	1.4	40
75	MSK1 regulates the transcription of IL-1ra in response to TLR activation in macrophages. <i>Biochemical Journal</i> , <b>2010</b> , 425, 595-602	3.8	35
74	Inhibition of SIK2 and SIK3 during differentiation enhances the anti-inflammatory phenotype of macrophages. <i>Biochemical Journal</i> , <b>2017</b> , 474, 521-537	3.8	34
73	Identifying Inhibitors of Inflammation: A Novel High-Throughput MALDI-TOF Screening Assay for Salt-Inducible Kinases (SIKs). <i>SLAS Discovery</i> , <b>2017</b> , 22, 1193-1202	3.4	34
72	STAT3 activation by E6 is essential for the differentiation-dependent HPV18 life cycle. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006975	7.6	33

71	MSK1 and MSK2 inhibit lipopolysaccharide-induced prostaglandin production via an interleukin-10 feedback loop. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 1456-67	4.8	33
70	Synthesis and structure-activity relationships of a novel series of pyrimidines as potent inhibitors of TBK1/IKK $\beta$ kinases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 7169-73	2.9	33
69	Suppression of IRAK1 or IRAK4 Catalytic Activity, but Not Type 1 IFN Signaling, Prevents Lupus Nephritis in Mice Expressing a Ubiquitin Binding-Defective Mutant of ABIN1. <i>Journal of Immunology</i> , <b>2016</b> , 197, 4266-4273	5.3	32
68	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> , <b>2019</b> , 78, 1363-1374	2.4	32
67	Mitogen and stress response kinase-1 (MSK1) mediates excitotoxic induced death of hippocampal neurones. <i>Journal of Neurochemistry</i> , <b>2003</b> , 86, 25-32	6	32
66	Subverting Toll-Like Receptor Signaling by Bacterial Pathogens. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 607	8.4	30
65	An H3K9/S10 methyl-phospho switch modulates Polycomb and Pol II binding at repressed genes during differentiation. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 904-15	3.5	29
64	Evaluation of approaches to generation of tissue-specific knock-in mice. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 28772-81	5.4	29
63	Post-translational control of Nur77. <i>Biochemical Society Transactions</i> , <b>2006</b> , 34, 1107-9	5.1	28
62	X-ray crystal structure of ERK5 (MAPK7) in complex with a specific inhibitor. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 4413-21	8.3	27
61	PDK1 regulates VDJ recombination, cell-cycle exit and survival during B-cell development. <i>EMBO Journal</i> , <b>2013</b> , 32, 1008-22	13	27
60	The activation of p38 alpha, and not p38 beta, mitogen-activated protein kinase is required for ischemic preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 1324-8	5.8	27
59	Transcriptional regulation of IL-10 and its cell-specific role in vivo. <i>Critical Reviews in Immunology</i> , <b>2014</b> , 34, 315-45	1.8	26
58	Evidence of p38 $\beta$ and p38 $\alpha$ involvement in cell transformation processes. <i>Carcinogenesis</i> , <b>2011</b> , 32, 1093-9	4.6	26
57	Mir-132/212 is required for maturation of binocular matching of orientation preference and depth perception. <i>Nature Communications</i> , <b>2017</b> , 8, 15488	17.4	25
56	Mice lacking MSK1 and MSK2 show reduced skin tumor development in a two-stage chemical carcinogenesis model. <i>Cancer Investigation</i> , <b>2011</b> , 29, 240-5	2.1	25
55	Pellino1 is required for interferon production by viral double-stranded RNA. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 34825-35	5.4	25
54	Ca(2+)-binding domain VI of rat calpain is a homodimer in solution: hydrodynamic, crystallization and preliminary X-ray diffraction studies. <i>Protein Science</i> , <b>1996</b> , 5, 535-7	6.3	25

53	The PP4R1 sub-unit of protein phosphatase PP4 is essential for inhibition of NF- $\kappa$ B by merkel polyomavirus small tumour antigen. <i>Oncotarget</i> , <b>2017</b> , 8, 25418-25432	3.3	24
52	Accelerated apoptotic death and in vivo turnover of erythrocytes in mice lacking functional mitogen- and stress-activated kinase MSK1/2. <i>Scientific Reports</i> , <b>2015</b> , 5, 17316	4.9	23
51	MSK1 regulates environmental enrichment-induced hippocampal plasticity and cognitive enhancement. <i>Learning and Memory</i> , <b>2012</b> , 19, 550-60	2.8	23
50	MSK regulate TCR-induced CREB phosphorylation but not immediate early gene transcription. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 2583-95	6.1	23
49	IL-33 regulates cytokine production and neutrophil recruitment via the p38 MAPK-activated kinases MK2/3. <i>Immunology and Cell Biology</i> , <b>2019</b> , 97, 54-71	5	23
48	Generation of a conditional CREB Ser133Ala knockin mouse. <i>Genesis</i> , <b>2009</b> , 47, 688-96	1.9	20
47	p38 $\alpha$ and p38 $\beta$ mitogen-activated protein kinases determine cholinergic transdifferentiation of sympathetic neurons. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12059-67	6.6	20
46	Insulin-stimulated glucose uptake does not require p38 mitogen-activated protein kinase in adipose tissue or skeletal muscle. <i>Diabetes</i> , <b>2005</b> , 54, 3161-8	0.9	20
45	Dimethyl fumarate is an allosteric covalent inhibitor of the p90 ribosomal S6 kinases. <i>Nature Communications</i> , <b>2018</b> , 9, 4344	17.4	20
44	ERK5 regulation in naive T-cell activation and survival. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 2534-46	6.1	19
43	Mitogen and stress-activated kinases 1/2 regulate ischemia-induced hippocampal progenitor cell proliferation and neurogenesis. <i>Neuroscience</i> , <b>2015</b> , 285, 292-302	3.9	18
42	The role of mitogen- and stress-activated protein kinase 1 and 2 in chronic skin inflammation in mice. <i>Experimental Dermatology</i> , <b>2011</b> , 20, 140-5	4	18
41	m-Calpain subunits remain associated in the presence of calcium. <i>FEBS Letters</i> , <b>1998</b> , 436, 367-71	3.8	18
40	IFN $\alpha$ autocrine feedback is required to sustain TLR induced production of MCP-1 in macrophages. <i>FEBS Letters</i> , <b>2013</b> , 587, 1496-503	3.8	17
39	Signaling downstream of p38 in psoriasis. <i>Journal of Investigative Dermatology</i> , <b>2006</b> , 126, 1689-91	4.3	17
38	Roles of individual EF-hands in the activation of m-calpain by calcium. <i>Biochemical Journal</i> , <b>2000</b> , 348, 37	3.8	17
37	Mitogen- and stress-activated kinases regulate progenitor cell proliferation and neuron development in the adult dentate gyrus. <i>Journal of Neurochemistry</i> , <b>2012</b> , 123, 676-88	6	16
36	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> , <b>2017</b> , 4,	3.9	16



35	Mitogen- and stress-activated protein kinase 1 modulates photic entrainment of the suprachiasmatic circadian clock. <i>European Journal of Neuroscience</i> , <b>2013</b> , 37, 130-40	3.5	15
34	Comparison of the specificity of Trk inhibitors in recombinant and neuronal assays. <i>Neuropharmacology</i> , <b>2011</b> , 61, 148-55	5.5	15
33	Met acts through Abl to regulate p53 transcriptional outcomes and cell survival in the developing liver. <i>Journal of Hepatology</i> , <b>2012</b> , 57, 1292-8	13.4	14
32	p38gamma regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 2596-604	5.3	14
31	Loss of Functionally Redundant p38 Isoforms in T Cells Enhances Regulatory T Cell Induction. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 1762-1772	5.4	13
30	p38 MAPK signalling regulates cytokine production in IL-33 stimulated Type 2 Innate Lymphoid cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 3479	4.9	13
29	Selective kinase inhibitors as tools for neuroscience research. <i>Neuropharmacology</i> , <b>2012</b> , 63, 1227-37	5.5	13
28	Structure of the mouse calpain small subunit gene. <i>BBA - Proteins and Proteomics</i> , <b>1998</b> , 1388, 247-52		13
27	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> , <b>2017</b> , 37,	4.8	12
26	Micro-CT Imaging Reveals Mekk3 Heterozygosity Prevents Cerebral Cavernous Malformations in Ccm2-Deficient Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160833	3.7	12
25	The loop structure and the RNA helicase p72/DDX17 influence the processing efficiency of the mice miR-132. <i>Scientific Reports</i> , <b>2016</b> , 6, 22848	4.9	12
24	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> , <b>2018</b> , 293, 2302-2317	5.4	12
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6	Loss of Mef2D function enhances TLR induced IL-10 production in macrophages. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	3
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4	Salt-inducible kinases are required for the IL-33-dependent secretion of cytokines and chemokines in mast cells. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100428	5.4	2
3	Fluorescence measurements of Ca <sup>2+</sup> binding to domain VI of calpain. <i>Methods in Molecular Biology</i> , <b>2000</b> , 144, 121-7	1.4	1
2	The devil's in the detail: cell-specific role of PPAR $\gamma$ in ILC2 activation by IL-33. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 544-546	9.2	1
1	Salt inducible kinases 2 and 3 are required for thymic T cell development. <i>Scientific Reports</i> , <b>2021</b> , 11, 21550	4.9	0