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## Mitogen-activated protein kinase cascades and regulation of gene expression

DOI: 10.1016/s0952-7915(96)80131-2  
Current Opinion in Immunology, 1996, 8, 402-11.

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#	Paper	IF	Citations
695	Signal transduction. Three paths to stress relief. <b>1996</b> , 384, 213-4		167
694	Molecular cloning and characterization of a novel protein kinase with a catalytic domain homologous to mitogen-activated protein kinase kinase kinase. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 31607-11	5.4	124
693	Impaired CD28-mediated interleukin 2 production and proliferation in stress kinase SAPK/ERK1 kinase (SEK1)/mitogen-activated protein kinase kinase 4 (MKK4)-deficient T lymphocytes. <b>1997</b> , 186, 941-53		124
692	Activation of stress-activated protein kinases/c-Jun N-terminal protein kinases (SAPKs/JNKs) by a novel mitogen-activated protein kinase kinase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 32378-83	5.4	85
691	Fluid shear stress activation of focal adhesion kinase. Linking to mitogen-activated protein kinases. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 30455-62	5.4	328
690	Apoptosis, neurotrophic factors and neurodegeneration. <b>1997</b> , 8, 223-65		38
689	Molecular cloning and characterization of a novel p38 mitogen-activated protein kinase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 23668-74	5.4	271
688	Cytotoxic T lymphocyte antigen 4 (CTLA-4) interferes with extracellular signal-regulated kinase (ERK) and Jun NH2-terminal kinase (JNK) activation, but does not affect phosphorylation of T cell receptor zeta and ZAP70. <b>1997</b> , 186, 1645-53		127
687	Activation of transcription factor NF-kappaB and p38 mitogen-activated protein kinase is mediated by distinct and separate stress effector pathways. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 12422-9	5.4	205
686	<i>Yersinia enterocolitica</i> promotes deactivation of macrophage mitogen-activated protein kinases extracellular signal-regulated kinase-1/2, p38, and c-Jun NH2-terminal kinase. Correlation with its inhibitory effect on tumor necrosis factor-alpha production. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 15920-7	5.4	117
685	Activation of the c-Jun N-terminal kinase pathway by a novel protein kinase related to human germinal center kinase. <b>1997</b> , 94, 9687-92		131
684	Preferential activation of the p46 isoform of JNK/SAPK in mouse macrophages by TNF alpha. <b>1997</b> , 94, 13169-74		76
683	The activating dual phosphorylation of MAPK by MEK is nonprocessive. <b>1997</b> , 36, 5929-33		163
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680	The Ig alpha/Igbeta heterodimer on mu-negative proB cells is competent for transducing signals to induce early B cell differentiation. <b>1997</b> , 7, 559-70		113
679	Counterregulation by the coreceptors CD19 and CD22 of MAP kinase activation by membrane immunoglobulin. <b>1997</b> , 7, 59-67		110

678	Integrins and anoikis. <b>1997</b> , 9, 701-6		984
677	Regulation of NF-kappa B activation by MAP kinase cascades. <b>1997</b> , 198, 35-49		270
676	Antioxidants and AP-1 activation: a brief overview. <b>1997</b> , 198, 273-8		40
675	Phosphorylation and activation of cytosolic phospholipase A2 by 38-kDa mitogen-activated protein kinase in collagen-stimulated human platelets. <b>1997</b> , 245, 751-9		121
674	Transcription factors of the NFAT family: regulation and function. <b>1997</b> , 15, 707-47		2192
673	T cell clonal anergy. <i>Current Opinion in Immunology</i> , <b>1997</b> , 9, 351-7	7.8	218
672	Molecular mechanisms of the immunosuppressive action of cyclosporin A. <b>1997</b> , 19, 579-85		15
671	gp160 of HIV or anti-CD4 monoclonal antibody ligation of CD4 induces inhibition of JNK and ERK-2 activities in human peripheral CD4+ T lymphocytes. <b>1997</b> , 27, 397-404		28
670	Calcineurin preferentially synergizes with PKC-theta to activate JNK and IL-2 promoter in T lymphocytes. <b>1998</b> , 17, 3101-11		227
669	PRAK, a novel protein kinase regulated by the p38 MAP kinase. <b>1998</b> , 17, 3372-84		256
668	CpG-DNA-specific activation of antigen-presenting cells requires stress kinase activity and is preceded by non-specific endocytosis and endosomal maturation. <b>1998</b> , 17, 6230-40		509
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666	Suppression of auxin signal transduction by a MAPK cascade in higher plants. <b>1998</b> , 395, 716-20		235
665	The role of MAP kinase in TPA-mediated cell cycle arrest of human breast cancer cells. <b>1998</b> , 16, 131-9		83
664	Cell growth control by G protein-coupled receptors: from signal transduction to signal integration. <b>1998</b> , 17, 1331-42		228
663	MyD genes in negative growth control. <b>1998</b> , 17, 3319-29		69
662	Thymocyte selection: not by TCR alone. <b>1998</b> , 165, 209-29		71
661	Effector pathways regulating T cell activation. <b>1998</b> , 56, 1539-47		29

660	CD28 affects the earliest signaling events generated by TCR engagement. <b>1998</b> , 28, 2131-42	88
659	Production of reactive oxygen intermediates following CD40 ligation correlates with c-Jun N-terminal kinase activation and IL-6 secretion in murine B lymphocytes. <b>1998</b> , 28, 4188-97	73
658	Activation of c-Jun NH2-terminal kinases by interleukin-1 $\beta$ in normal human osteoblastic and rat UMR-106 cells. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 69, 87-93	4-7 9
657	Expression of mitogen-activated protein kinase pathways during postnatal development of rat heart. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 71, 286-301	4-7 18
656	Identification of a dual-specificity protein phosphatase that inactivates a MAP kinase from Arabidopsis. <b>1998</b> , 16, 581-9	130
655	Functional granulocyte/macrophage colony stimulating factor receptor is constitutively expressed on neoplastic plasma cells and mediates tumour cell longevity. <b>1998</b> , 102, 1069-80	11
654	Molecular cloning and characterization of a human protein kinase that specifically activates c-Jun N-terminal kinase. <b>1998</b> , 212, 95-102	30
653	Regulation of apoptosis by presenilin 1. <b>1998</b> , 19, S23-7	52
652	Cooperation between Syk and Rac1 leads to synergistic JNK activation in T lymphocytes. <b>1998</b> , 8, 31-41	111
651	SEK1/MKK4 is required for maintenance of a normal peripheral lymphoid compartment but not for lymphocyte development. <b>1998</b> , 8, 625-34	66
650	Regulated nuclear entry of the C. elegans Pax-6 transcription factor. <b>1998</b> , 78, 179-87	12
649	Immunobiology of renal transplantation. <b>1998</b> , 78, 1-26	14
648	Extracellular signal-regulated protein kinase/Jun kinase cross-talk underlies vascular endothelial cell growth factor-induced endothelial cell proliferation. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 26722-8	5-8 168
647	AP-1 and NF-kappaB regulation in rheumatoid arthritis and murine collagen-induced arthritis. <b>1998</b> , 28, 197-208	277
646	Interleukin-8 receptors R1 and R2 activate mitogen-activated protein kinases and induce c-fos, independent of Ras and Raf-1 in Chinese hamster ovary cells. <b>1998</b> , 37, 15918-24	45
645	MAPKAPK5, a novel mitogen-activated protein kinase (MAPK)-activated protein kinase, is a substrate of the extracellular-regulated kinase (ERK) and p38 kinase. <b>1998</b> , 243, 492-6	91
644	MAP kinase pathways as a route for regulatory mechanisms of IL-10 and IL-4 which inhibit COX-2 expression in human monocytes. <b>1998</b> , 250, 200-5	100
643	Acute infection of Sindbis virus induces phosphorylation and intracellular translocation of small heat shock protein HSP27 and activation of p38 MAP kinase signaling pathway. <b>1998</b> , 253, 59-64	38

642	MAPKKK6, a novel mitogen-activated protein kinase kinase kinase, that associates with MAPKKK5. <b>1998</b> , 253, 33-7		58
641	Acid sphingomyelinase-derived ceramide is not required for inflammatory cytokine signalling in murine macrophages. <b>1998</b> , 10, 654-61		25
640	The Raf-1/mitogen-activated protein kinase kinase-1/extracellular signal-regulated-2 signaling pathway as prerequisite for interleukin-2 gene transcription in lectin-stimulated human primary T lymphocytes. <b>1998</b> , 55, 319-24		12
639	Interleukin (IL)-1 receptor-associated kinase (IRAK) requirement for optimal induction of multiple IL-1 signaling pathways and IL-6 production. <b>1998</b> , 187, 2073-9		176
638	The amiloride-sensitive epithelial sodium channel alpha-subunit is transcriptionally down-regulated in rat parotid cells by the extracellular signal-regulated protein kinase pathway. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 30770-6	5-4	44
637	Induction of cyclooxygenase-2 by the activated MEKK1 --> SEK1/MKK4 --> p38 mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 12901-8	5-4	226
636	Bidirectional regulation of p38 kinase and c-Jun N-terminal protein kinase by insulin-like growth factor-I. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 14560-5	5-4	89
635	Molecular cloning and characterization of a Drosophila p38 mitogen-activated protein kinase. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 369-74	5-4	83
634	The molecular mechanism of B cell activation by toll-like receptor protein RP-105. <b>1998</b> , 188, 93-101		86
633	Involvement of guanosine triphosphatases and phospholipase C-gamma2 in extracellular signal-regulated kinase, c-Jun NH2-terminal kinase, and p38 mitogen-activated protein kinase activation by the B cell antigen receptor. <b>1998</b> , 188, 1287-95		184
632	Different protein tyrosine kinases are required for B cell antigen receptor-mediated activation of extracellular signal-regulated kinase, c-Jun NH2-terminal kinase 1, and p38 mitogen-activated protein kinase. <b>1998</b> , 188, 1297-306		137
631	Nuclear factor kB-independent cytoprotective pathways originating at tumor necrosis factor receptor-associated factor 2. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 31262-72	5-4	91
630	Tumor necrosis factor-alpha- or lipopolysaccharide-induced expression of the murine P-selectin gene in endothelial cells involves novel kappaB sites and a variant activating transcription factor/cAMP response element. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 10068-77	5-4	54
629	Characterization of gene expression in resting and activated mast cells. <b>1998</b> , 188, 1657-68		101
628	AP-1 (Fos/Jun) transcription factors in hematopoietic differentiation and apoptosis. <b>1998</b> , 12, 685-700		43
627	Mitogenic signaling by substance P and bombesin-like neuropeptide receptors in astrocytic/glia brain tumor-derived cell lines. <b>1998</b> , 12, 273-86		4
626	Polyclonal Activators. <b>1998</b> , 1979-1984		
625	Key effectors of signal transduction and G1 progression. <b>1998</b> , 74, 1-24		41

624	Molecular and cellular mechanisms of T lymphocyte apoptosis. <b>1998</b> , 68, 51-144		54
623	Definition of the role of tyrosine residues of the common beta subunit regulating multiple signaling pathways of granulocyte-macrophage colony-stimulating factor receptor. <b>1998</b> , 18, 742-52		72
622	Selective activation of JNK1 is necessary for the anti-apoptotic activity of hILP. <b>1998</b> , 95, 6015-20		117
621	Epidermal growth factor induction of the c-jun promoter by a Rac pathway. <b>1998</b> , 18, 1065-73		90
620	Specific and differential activation of mitogen-activated protein kinase cascades by unfamiliar taste in the insular cortex of the behaving rat. <b>1998</b> , 18, 10037-44		253
619	SEK1 deficiency reveals mitogen-activated protein kinase cascade crossregulation and leads to abnormal hepatogenesis. <b>1998</b> , 95, 6881-6		177
618	Mitogen-activated protein and tyrosine kinases in the activation of astrocyte volume-activated chloride current. <b>1998</b> , 18, 1196-206		143
617	Activation of MAPKs in human bronchial epithelial cells exposed to metals. <b>1998</b> , 275, L551-8		119
616	Hypertonicity activates MAP kinases and inhibits HCO-3 absorption via distinct pathways in thick ascending limb. <b>1998</b> , 275, F478-86		18
615	Gi proteins use a novel beta gamma- and Ras-independent pathway to activate extracellular signal-regulated kinase and mobilize AP-1 transcription factors in Jurkat T lymphocytes. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 19992-20001	5.4	36
614	Novel membrane-targeted ERK1 and ERK2 chimeras which act as dominant negative, isotype-specific mitogen-activated protein kinase inhibitors of Ras-Raf-mediated transcriptional activation of c-fos in NIH 3T3 cells. <b>1999</b> , 19, 8052-65		33
613	Axonal transport of activating transcription factor-2 is modulated by nerve growth factor in nociceptive neurons. <b>1999</b> , 19, RC24		20
612	Mechanisms of MAPK activation by bradykinin in vascular smooth muscle cells. <b>1999</b> , 277, C253-61		80
611	Calcium-calmodulin mediates bradykinin-induced MAPK phosphorylation and c-fos induction in vascular cells. <b>1999</b> , 277, H1061-8		7
610	Mitogen-activated protein kinase pathway mediates hyperoxia-induced apoptosis in cultured macrophage cells. <b>1999</b> , 277, L589-95		47
609	Role of phosphoinositides and inositol phosphates in the regulation of mycelial branching. <b>1999</b> , 157-177		0
608	Constitutive and Interleukin-7/Interleukin-15 Stimulated DNA Binding of Myc, Jun, and Novel Myc-Like Proteins in Cutaneous T-Cell Lymphoma Cells. <i>Blood</i> , <b>1999</b> , 93, 260-267	2.2	46
607	Molecular mechanisms of T lymphocyte activation: convergence of T cell antigen receptor and IL-1 receptor-induced signaling at the level of IL-2 gene transcription. <b>1999</b> , 11, 1851-62		13

606	Increased ROS levels contribute to elevated transcription factor and MAP kinase activities in malignantly progressed mouse keratinocyte cell lines. <b>1999</b> , 20, 2063-73		164
605	The extracellular signal-regulated kinase pathway is required for activation-induced cell death of T cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 11178-85	5-4	83
604	Kinase activity-dependent nuclear export opposes stress-induced nuclear accumulation and retention of Hog1 mitogen-activated protein kinase in the budding yeast <i>Saccharomyces cerevisiae</i> . <b>1999</b> , 10, 1147-61		190
603	Mitogen-activated protein kinase kinase 2 activation is essential for progression through the G2/M checkpoint arrest in cells exposed to ionizing radiation. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2732-42	5-4	103
602	Axin forms a complex with MEKK1 and activates c-Jun NH(2)-terminal kinase/stress-activated protein kinase through domains distinct from Wnt signaling. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 35247-54	5-4	97
601	Inhibition of interleukin 2 signaling and signal transducer and activator of transcription (STAT)5 activation during T cell receptor-mediated feedback inhibition of T cell expansion. <b>1999</b> , 190, 1263-74		62
600	Activated Ras signals developmental progression of recombinase-activating gene (RAG)-deficient pro-B lymphocytes. <b>1999</b> , 189, 123-9		78
599	Bone morphogenetic protein 2 inhibits platelet-derived growth factor-induced c-fos gene transcription and DNA synthesis in mesangial cells. Involvement of mitogen-activated protein kinase. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 10897-902	5-4	56
598	Transcriptional regulation of Fas gene expression by GA-binding protein and AP-1 in T cell antigen receptor.CD3 complex-stimulated T cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 35203-10	5-4	31
597	Evidence for a p21(ras)/Raf-1/MEK-1/ERK-2-independent pathway in stimulation of IL-2 gene transcription in human primary T lymphocytes. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 25743-8	5-4	9
596	Oxidized LDL-containing immune complexes induce Fc gamma receptor I-mediated mitogen-activated protein kinase activation in THP-1 macrophages. <b>1999</b> , 19, 1600-7		50
595	Regulation of Dictyostelium protein-tyrosine phosphatase-3 (PTP3) through osmotic shock and stress stimulation and identification of pp130 as a PTP3 substrate. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 12129-38	5-4	19
594	Regulation of bad phosphorylation and association with Bcl-x(L) by the MAPK/Erk kinase. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 31108-13	5-4	312
593	Thrombin induces proteinase-activated receptor-1 gene expression in endothelial cells via activation of Gi-linked Ras/mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 13718-27	5-4	106
592	Shc regulates epidermal growth factor-induced activation of the JNK signaling pathway. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 20139-43	5-4	46
591	CD28 ligation induces tyrosine phosphorylation of Pyk2 but not Fak in Jurkat T cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 6735-40	5-4	29
590	Reconstitution of Btk signaling by the atypical tec family tyrosine kinases Bmx and Txk. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 13577-85	5-4	50
589	Human JIK, a novel member of the STE20 kinase family that inhibits JNK and is negatively regulated by epidermal growth factor. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 33287-95	5-4	62



588	Suppression of p53-mediated growth factor withdrawal-induced apoptosis in the myeloid compartment by hematopoietic cytokines: an overview of hematopoiesis and apoptosis with a presentation of thrombopoietin and the M07E cell line as a model system. <b>1999</b> , 31, 169-91	9
587	Protein kinase C-delta is a target of B-cell antigen receptor signaling. <b>1999</b> , 69, 259-67	21
586	Activation of the extracellular signal-regulated kinase 2 by metabotropic glutamate receptors. <b>1999</b> , 11, 2073-2082	117
585	Signalling and gene regulation by urea and NaCl in the renal medulla. <b>1999</b> , 26, 69-73	22
584	UVB activates ERK1/2 and p38 signaling pathways via reactive oxygen species in cultured keratinocytes. <b>1999</b> , 112, 751-6	196
583	Role of MAP kinase pathways in mediating IL-6 production in human primary mesangial and proximal tubular cells. <b>1999</b> , 56, 1366-77	84
582	Inhibition of UV-Induced Immune Suppression and Interleukin-10 Production by Plant Oligosaccharides and Polysaccharides. <b>1999</b> , 69, 141-147	1
581	The extracellular-signal-regulated protein kinases (Erks) are required for UV-induced AP-1 activation in JB6 cells. <b>1999</b> , 18, 2828-35	69
580	Serine protease inhibitor TPCK prevents Taxol-induced cell death and blocks c-Raf-1 and Bcl-2 phosphorylation in human breast carcinoma cells. <b>1999</b> , 18, 3431-9	70
579	Differentiation of neuroblastoma cells by phorbol esters and insulin-like growth factor 1 is associated with induction of retinoic acid receptor beta gene expression. <b>1999</b> , 18, 5393-402	25
578	Age-sensitive and -insensitive pathways leading to JNK activation in mouse CD4(+) T-cells. <b>1999</b> , 197, 83-90	15
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575	Gene-regulating protein kinases as important anti-inflammatory targets. <b>1999</b> , 4, 472-479	19
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573	Signal transduction and transcription factors in rheumatic disease. <b>1999</b> , 42, 609-21	173
572	Mitogen-activated protein kinase and nuclear factor kappaB together regulate interleukin-17-induced nitric oxide production in human osteoarthritic chondrocytes: possible role of transactivating factor mitogen-activated protein kinase-activated protein kinase (MAPKAPK). <b>1999</b> , 42, 2399-409	139
571	Activation of ERK1 and ERK2 is required for manganese-induced neurite outgrowth in rat pheochromocytoma (PC12) cells. <b>1999</b> , 57, 847-854	32



570	Cell survival promoted by the Ras-MAPK signaling pathway by transcription-dependent and -independent mechanisms. <b>1999</b> , 286, 1358-62		1623
569	Cell cycle genes in chondrocyte proliferation and differentiation. <b>1999</b> , 18, 109-20		39
568	Allosteric regulation of even-skipped repression activity by phosphorylation. <b>1999</b> , 3, 77-86		24
567	In vitro regulation of rat Sertoli cell transferrin expression by tumor necrosis factor alpha and retinoic acid. <b>1999</b> , 148, 163-70		22
566	Age-related decline in activation of JNK by TCR- and CD28-mediated signals in murine T-lymphocytes. <b>1999</b> , 197, 75-82		35
565	Differential influence of tyrosine residues of the common receptor beta subunit on multiple signals induced by human GM-CSF. <b>1999</b> , 103, S462-70		3
564	Activation of stress signaling pathways by the end product of lipid peroxidation. 4-hydroxy-2-nonenal is a potential inducer of intracellular peroxide production. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2234-42	5-4	461
563	Tracheal ligation increases mitogen-activated protein kinase activity and attenuates surfactant protein B mRNA in fetal sheep lungs. <b>1999</b> , 84, 19-23		15
562	Phosphorylation of TRAF2 inhibits binding to the CD40 cytoplasmic domain. <b>1999</b> , 256, 620-5		13
561	Bone morphogenetic protein-2 inhibits MAPK-dependent Elk-1 transactivation and DNA synthesis induced by EGF in mesangial cells. <b>1999</b> , 258, 490-6		30
560	Hypoxia up-regulates telomerase activity via mitogen-activated protein kinase signaling in human solid tumor cells. <b>1999</b> , 260, 365-70		80
559	Production of TNF-alpha by murine bone marrow derived mast cells activated by the bacterial fimbrial protein, FimH. <b>1999</b> , 90, 420-4		10
558	The function of small GTPases in signaling by immune recognition and other leukocyte receptors. <b>1999</b> , 72, 1-101		15
557	Signal transduction pathways that regulate the fate of B lymphocytes. <b>1999</b> , 73, 79-152		45
556	Regulation of the MEF2 family of transcription factors by p38. <b>1999</b> , 19, 21-30		376
555	Spi-1/PU.1 is a positive regulator of the Fli-1 gene involved in inhibition of erythroid differentiation in friend erythroleukemic cell lines. <b>1999</b> , 19, 121-35		61
554	Chapter 11 Plasma Membrane-Localized Signal Transduction. <b>1999</b> , 48, 351-395		
553	Reactive oxygen species as mediators of UVB-induced mitogen-activated protein kinase activation in keratinocytes. <b>2001</b> , 29, 114-27		16

552	Coordinate activation of endogenous p38alpha, beta, gamma, and delta by inflammatory stimuli. <b>2000</b> , 67, 705-11		28
551	Differential role of tyrosine phosphorylation in adhesion-induced transcription, mRNA stability, and cytoskeletal organization in human monocytes. <b>2000</b> , 67, 216-25		16
550	Rottlerin, a PKC isozyme-selective inhibitor, affects signaling events and cytokine production in human monocytes. <b>2000</b> , 67, 249-58		79
549	Angiotensin II-induced cardiac hypertrophy is associated with different mitogen-activated protein kinase activation in normotensive and hypertensive mice. <b>2000</b> , 18, 1307-17		42
548	Extracellular-signal regulated kinase signaling pathway mediates downregulation of type I procollagen gene expression by FGF-2, PDGF-BB, and okadaic acid in osteoblastic cells. <i>Journal of Cellular Biochemistry</i> , <b>2000</b> , 76, 354-359	4-7	51
547	CD28 and LFA-1 contribute to cyclosporin A-resistant T cell growth by stabilizing the IL-2 mRNA through distinct signaling pathways. <b>2000</b> , 30, 1136-44		33
546	Activation, differential localization, and regulation of the stress-activated protein kinases, extracellular signal-regulated kinase, c-JUN N-terminal kinase, and p38 mitogen-activated protein kinase, in synovial tissue and cells in rheumatoid arthritis. <b>2000</b> , 43, 2501-12		486
545	ZAP-70 is required for calcium mobilization but is dispensable for mitogen-activated protein kinase (MAPK) superfamily activation induced via CD2 in human T cells. <b>2000</b> , 30, 78-86		11
544	Biomechanical regulation of matrix metalloproteinase-9 in cultured chondrocytes. <b>2000</b> , 18, 899-908		61
543	Phorboid 20-homovanillates induce apoptosis through a VR1-independent mechanism. <b>2000</b> , 7, 483-92		42
542	Genetic screens in mammalian cells by enhanced retroviral mutagens. <b>2000</b> , 19, 5964-72		37
541	Mechanisms of action of cyclosporine. <b>2000</b> , 47, 119-25		563
540	Hypoxia-reoxygenation differentially stimulates stress-activated protein kinases in primary-cultured rat hepatocytes. <b>2000</b> , 13, S597-S599		9
539	Oxidative stress and gene regulation. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 463-99	7.8	981
538	Bradykinin stimulates IL-6 and IL-8 production by human lung fibroblasts through ERK- and p38 MAPK-dependent mechanisms. <b>2000</b> , 16, 452-8		71
537	Signal transduction pathways that contribute to increased protein synthesis during T-cell activation. <b>2000</b> , 1494, 28-42		22
536	Induction of c-Src in human blood monocytes by anti-CD98/FRP-1 mAb in an Sp1-dependent fashion. <b>2000</b> , 204, 105-13		9
535	p53-inducible wip1 phosphatase mediates a negative feedback regulation of p38 MAPK-p53 signaling in response to UV radiation. <b>2000</b> , 19, 6517-26		332

534	Cyclooxygenases: structural, cellular, and molecular biology. <b>2000</b> , 69, 145-82		2375
533	Hypoxia-reoxygenation differentially stimulates stress-activated protein kinases in primary-cultured rat hepatocytes. <b>2000</b> , 13 Suppl 1, S597-9		4
532	Structure and function of the type 1 insulin-like growth factor receptor. <b>2000</b> , 57, 1050-93		430
531	Beta-adrenergic modulation of NNK-induced lung carcinogenesis in hamsters. <b>2000</b> , 126, 624-30		78
530	RasGRP links T-cell receptor signaling to Ras. <i>Blood</i> , <b>2000</b> , 95, 3199-3203	2.2	271
529	Potential of CD3-induced expression of the linker for activation of T cells (LAT) by the calcineurin inhibitors cyclosporin A and FK506. <i>Blood</i> , <b>2000</b> , 95, 2733-2741	2.2	12
528	Mechanisms by which bradykinin promotes fibrosis in vascular smooth muscle cells: role of TGF-beta and MAPK. <b>2000</b> , 279, H2829-37		42
527	A dual role for Src homology 2 domain-containing inositol-5-phosphatase (SHIP) in immunity: aberrant development and enhanced function of b lymphocytes in ship <sup>-/-</sup> mice. <b>2000</b> , 191, 781-94		135
526	Cloning of porcine NRAMP1 and its induction by lipopolysaccharide, tumor necrosis factor alpha, and interleukin-1beta: role of CD14 and mitogen-activated protein kinases. <i>Infection and Immunity</i> , <b>2000</b> , 68, 1086-93	3.7	35
525	Nitric oxide negatively regulates c-Jun N-terminal kinase/stress-activated protein kinase by means of S-nitrosylation. <b>2000</b> , 97, 14382-7		210
524	Nitric oxide activation of p38 mitogen-activated protein kinase in 293T fibroblasts requires cGMP-dependent protein kinase. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 2811-6	5.4	77
523	Phosphorylation of a Src kinase at the autophosphorylation site in the absence of Src kinase activity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 6055-8	5.4	31
522	A role for the p38 MAP kinase pathway in the nuclear shuttling of NFATp. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 13872-8	5.4	118
521	Synergistic interaction of MEK kinase 2, c-Jun N-terminal kinase (JNK) kinase 2, and JNK1 results in efficient and specific JNK1 activation. <b>2000</b> , 20, 2334-42		69
520	Differential role of p38 and c-Jun N-terminal kinase 1 mitogen-activated protein kinases in NK cell cytotoxicity. <b>2000</b> , 165, 1782-9		63
519	IL-2 activation of NK cells: involvement of MKK1/2/ERK but not p38 kinase pathway. <b>2000</b> , 164, 6244-51		116
518	In vivo and in vitro correlation of pulmonary MAP kinase activation following metallic exposure. <b>2000</b> , 12, 453-68		42
517	Vanadium-induced kappaB-dependent transcription depends upon peroxide-induced activation of the p38 mitogen-activated protein kinase. <b>2000</b> , 23, 95-102		53

516	Mitogen-activated protein kinases regulate cytokine gene expression in human airway myocytes. <b>2000</b> , 23, 86-94		120
515	Selective activation of p38 MAPK cascade and mitotic arrest caused by low level oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 23413-6	5-4	155
514	Cytokine-induced Src homology 2 protein (CIS) promotes T cell receptor-mediated proliferation and prolongs survival of activated T cells. <b>2000</b> , 191, 985-94		79
513	Activation of transcription of the human cytomegalovirus early UL4 promoter by the Ets transcription factor binding element. <i>Journal of Virology</i> , <b>2000</b> , 74, 9845-57	6.6	17
512	TAK1 mitogen-activated protein kinase kinase kinase is activated by autophosphorylation within its activation loop. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 7359-64	5-4	213
511	Evidence for protein kinase C-dependent and -independent activation of mitogen-activated protein kinase in T cells: potential role of additional diacylglycerol binding proteins. <b>2000</b> , 165, 6865-71		46
510	Ubinuclein, a novel nuclear protein interacting with cellular and viral transcription factors. <b>2000</b> , 148, 1165-76		36
509	The neuropeptide substance P activates p38 mitogen-activated protein kinase resulting in IL-6 expression independently from NF-kappa B. <b>2000</b> , 165, 5606-11		107
508	CD22 forms a quaternary complex with SHIP, Grb2, and Shc. A pathway for regulation of B lymphocyte antigen receptor-induced calcium flux. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 17420-7	5-4	89
507	Interleukin (IL)-7 induces rapid activation of Pyk2, which is bound to Janus kinase 1 and IL-7Ralpha. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 7060-5	5-4	34
506	c-Jun activation-dependent tumorigenic transformation induced paradoxically by overexpression or block of S-adenosylmethionine decarboxylase. <b>2000</b> , 151, 801-10		24
505	Molecular basis for functional maturation of thymocytes: increase in c-fos translation with positive selection. <b>2000</b> , 164, 5590-5		7
504	Sequential activation of ERK and repression of JNK by scatter factor/hepatocyte growth factor in madin-darby canine kidney epithelial cells. <b>2000</b> , 11, 3751-63		62
503	Phosphorylation of the membrane proximal region of tumor necrosis factor receptor CD120a (p55) at ERK consensus sites. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 6996-7003	5-4	25
502	CD43-mediated signals induce DNA binding activity of AP-1, NF-AT, and NFkappa B transcription factors in human T lymphocytes. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 31460-8	5-4	39
501	Calcineurin blockade prevents cardiac mitogen-activated protein kinase activation and hypertrophy in renovascular hypertension. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 40867-73	5-4	48
500	Expression of vascular endothelial growth factor mRNA in GI-101A and HL-60 cell lines. <b>2000</b> , 270, 709-13		9
499	Serine/threonine protein kinases and apoptosis. <b>2000</b> , 256, 34-41		578

498	Myosin regulatory light chain as a critical substrate of cell death: a hypothesis. <b>2000</b> , 54, 850-2		4
497	RAC1/P38 MAPK signaling pathway controls beta1 integrin-induced interleukin-8 production in human natural killer cells. <b>2000</b> , 12, 7-16		85
496	Phospholipid metabolism and nuclear envelope signaling. <b>2000</b> , 40, 97-123		6
495	Requirement for p38alpha in erythropoietin expression: a role for stress kinases in erythropoiesis. <b>2000</b> , 102, 221-31		319
494	The alpha2 and alpha5 integrin genes: identification of transcription factors that regulate promoter activity in epidermal keratinocytes. <b>2000</b> , 474, 201-7		35
493	beta-agonists regulate Na,K-ATPase via novel MAPK/ERK and rapamycin-sensitive pathways. <b>2000</b> , 486, 310-4		44
492	Leptin signaling in human peripheral blood mononuclear cells, activation of p38 and p42/44 mitogen-activated protein (MAP) kinase and p70 S6 kinase. <b>2000</b> , 4, 144-50		49
491	Janus kinases and signal transducers and activators of transcription: their roles in cytokine signaling, development and immunoregulation. <b>2000</b> , 2, 16-32		33
490	Involvement of JNK-mediated pathway in EGF-mediated protection against paclitaxel-induced apoptosis in SiHa human cervical cancer cells. <i>British Journal of Cancer</i> , <b>2001</b> , 85, 303-11	8.7	55
489	Sensitization of differentiated PC12 cells to apoptosis by presenilin-2 is mediated by p38. <b>2001</b> , 287, 536-41		11
488	Role of ERK activation in growth and erythroid differentiation of K562 cells. <b>2001</b> , 264, 193-200		49
487	The role of the Drosophila TAK homologue dTAK during development. <b>2001</b> , 102, 67-79		52
486	Immunolocalization of the mitogen-activated protein kinase signaling pathway in Hassall's corpuscles of the human thymus. <b>2001</b> , 103, 89-98		15
485	Interleukin-1 promotion of MAPK-p38 overexpression in experimental animals and in Alzheimer's disease: potential significance for tau protein phosphorylation. <b>2001</b> , 39, 341-8		127
484	Molecular pathways involved in the neurotoxicity of 6-OHDA, dopamine and MPTP: contribution to the apoptotic theory in Parkinson's disease. <b>2001</b> , 65, 135-72		933
483	The inhibition of metalloproteinases as a therapeutic target in rheumatoid arthritis and osteoarthritis. <b>2001</b> , 1, 314-20		48
482	Activation of mitogen-activated protein kinase pathways by angelin in murine macrophages. <b>2001</b> , 1, 237-45		15
481	Inhibition of the transcription factors AP-1 and NF-kappaB in CD4 T cells by peroxisome proliferator-activated receptor gamma ligands. <b>2001</b> , 1, 803-12		88

480	Experimental evidences and signal transduction pathways involved in the activation of NF-kappa B/Rel by angelin in murine macrophages. <b>2001</b> , 1, 1331-9	23
479	The impact of duration versus extent of TCR occupancy on T cell activation: a revision of the kinetic proofreading model. <b>2001</b> , 15, 59-70	197
478	Opposing regulation of B cell receptor-induced activation of mitogen-activated protein kinases by CD45. <b>2001</b> , 490, 97-101	7
477	Activation and function of the Rap1 GTPase in B lymphocytes. <b>2001</b> , 20, 763-89	21
476	Agonist-specific cross talk between ERKs and p38(mapk) regulates PGI(2) synthesis in endothelium. <b>2001</b> , 281, C1266-76	52
475	Mitogen-activated protein kinases control p27/Kip1 expression and growth of human melanoma cells. <b>2001</b> , 357, 297-303	39
474	Src-family tyrosine kinases, phosphoinositide 3-kinase and Gab1 regulate extracellular signal-regulated kinase 1 activation induced by the type A endothelin-1 G-protein-coupled receptor. <b>2001</b> , 360, 77-85	14
473	Src-family tyrosine kinases, phosphoinositide 3-kinase and Gab1 regulate extracellular signal-regulated kinase 1 activation induced by the type A endothelin-1 G-protein-coupled receptor. <b>2001</b> , 360, 77-85	26
472	Mitogen-activated protein kinases control p27/Kip1 expression and growth of human melanoma cells. <b>2001</b> , 357, 297-303	67
471	Nicotinic receptor-mediated activation by the tobacco-specific nitrosamine NNK of a Raf-1/MAP kinase pathway, resulting in phosphorylation of c-myc in human small cell lung carcinoma cells and pulmonary neuroendocrine cells. <b>2001</b> , 127, 707-17	119
470	Signal transduction pathways and apoptosis in bacteria infected chondrocytes. <b>2001</b> , 19, 696-702	6
469	Activation and redistribution of c-jun N-terminal kinase/stress activated protein kinase in degenerating neurons in Alzheimer's disease. <b>2001</b> , 76, 435-41	368
468	Cross-talk between pro-inflammatory transcription factors and glucocorticoids. <b>2001</b> , 79, 376-84	233
467	Human keratinocytes respond to osmotic stress by p38 map kinase regulated induction of HSP70 and HSP27. <b>2001</b> , 117, 1290-5	46
466	Ceramide-induced apoptosis in cortical neurons is mediated by an increase in p38 phosphorylation and not by the decrease in ERK phosphorylation. <b>2001</b> , 13, 2037-46	91
465	The cell survival signal Akt is differentially activated by PDGF-BB, EGF, and FGF-2 in osteoblastic cells. <i>Journal of Cellular Biochemistry</i> , <b>2001</b> , 81, 304-311	4-7 90
464	Interleukin-1beta costimulates interferon-gamma production by human natural killer cells. <b>2001</b> , 31, 792-801	80
463	Inhibition of UVB-induced oxidative stress-mediated phosphorylation of mitogen-activated protein kinase signaling pathways in cultured human epidermal keratinocytes by green tea polyphenol (-)-epigallocatechin-3-gallate. <b>2001</b> , 176, 110-7	221

462	Immunohistochemical study of the phosphorylated and activated form of c-Jun NH2-terminal kinase in human aorta. <b>2001</b> , 33, 167-71		9
461	T cell signal transduction and the role of CD7 in costimulation. <b>2001</b> , 24, 31-52		41
460	Molecular mechanisms underlying chemopreventive activities of anti-inflammatory phytochemicals: down-regulation of COX-2 and iNOS through suppression of NF-kappa B activation. <b>2001</b> , 480-481, 243-68		1166
459	Interleukin-1beta induced cyclooxygenase 2 expression and prostaglandin E2 secretion by human neuroblastoma cells: implications for Alzheimer's disease. <b>2001</b> , 36, 559-70		68
458	Src homology 2 domain-containing inositol 5-phosphatase 1 mediates cell cycle arrest by FcgammaRIIB. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 30381-91	5-4	21
457	Negative-feedback regulation of CD28 costimulation by a novel mitogen-activated protein kinase phosphatase, MKP6. <b>2001</b> , 166, 197-206		90
456	Ceramide inhibits lipopolysaccharide-mediated nitric oxide synthase and cyclooxygenase-2 induction in macrophages: effects on protein kinases and transcription factors. <b>2001</b> , 166, 5388-97		61
455	Modulation of the nuclear factor kappa B pathway by Shp-2 tyrosine phosphatase in mediating the induction of interleukin (IL)-6 by IL-1 or tumor necrosis factor. <b>2001</b> , 193, 101-10		111
454	Accelerated metabolism and exclusion of 4-hydroxynonenal through induction of RLIP76 and hGST5.8 is an early adaptive response of cells to heat and oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 41213-23	5-4	142
453	Vav1 regulates phospholipase cgamma activation and calcium responses in mast cells. <b>2001</b> , 21, 3763-74		134
452	Novel NEMO/IkappaB kinase and NF-kappa B target genes at the pre-B to immature B cell transition. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 18579-90	5-4	125
451	MEKK2 is required for T-cell receptor signals in JNK activation and interleukin-2 gene expression. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 14784-90	5-4	50
450	Isoforms of Jun kinase are differentially expressed and activated in human monocyte/macrophage (THP-1) cells. <b>2001</b> , 166, 5646-53		83
449	Mycobacteria-induced TNF-alpha and IL-10 formation by human macrophages is differentially regulated at the level of mitogen-activated protein kinase activity. <b>2001</b> , 167, 3339-45		114
448	2B4 (CD244)-mediated activation of cytotoxicity and IFN-gamma release in human NK cells involves distinct pathways. <b>2001</b> , 167, 6210-6		93
447	Negative regulation of the SAPK/JNK signaling pathway by presenilin 1. <b>2001</b> , 153, 457-63		27
446	Intestinal epithelial cell differentiation involves activation of p38 mitogen-activated protein kinase that regulates the homeobox transcription factor CDX2. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 21885-94	5-4	115
445	Immunomodulation induced by Avbe spring water on Th1- and Th2-dependent cytokine production in healthy subjects and atopic dermatitis patients. <b>2001</b> , 14, 234-42		25



444	Identification and characterization of a novel MAP kinase kinase kinase, MLTK. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 4276-86	5-4	91
443	The B lymphocyte adaptor molecule of 32 kD (Bam32) regulates B cell antigen receptor signaling and cell survival. <b>2002</b> , 195, 143-9		51
442	Distinct signaling pathways are activated in response to mechanical stress applied axially and transversely to skeletal muscle fibers. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 46493-503	5-4	78
441	Mitogen-activated protein kinases and NF-kappa B are involved in TNF-alpha responses to group B streptococci. <b>2002</b> , 169, 1401-9		67
440	Temporal activation of p42/44 mitogen-activated protein kinase and c-Jun N-terminal kinase by acetaldehyde in rat hepatocytes and its loss after chronic ethanol exposure. <b>2002</b> , 301, 908-14		43
439	Responding to hypoxia: lessons from a model cell line. <i>Science Signaling</i> , <b>2002</b> , 2002, re11	8.8	46
438	Coadministration of UCN-01 with MEK1/2 inhibitors potently induces apoptosis in BCR/ABL+ leukemia cells sensitive and resistant to ST1571. <b>2002</b> , 1, 674-82		21
437	Oxalate selectively activates p38 mitogen-activated protein kinase and c-Jun N-terminal kinase signal transduction pathways in renal epithelial cells. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13321-30	5-4	47
436	Signaling pathways induced by lipoproteins derived from <i>Mycoplasma salivarium</i> and a synthetic lipopeptide (FSL-1) in normal human gingival fibroblasts. <b>2002</b> , 46, 151-8		29
435	Myeloid differentiation (MyD)/growth arrest DNA damage (GADD) genes in tumor suppression, immunity and inflammation. <b>2002</b> , 16, 527-41		74
434	Proteasome inhibitors stimulate interleukin-8 expression via Ras and apoptosis signal-regulating kinase-dependent extracellular signal-related kinase and c-Jun N-terminal kinase activation. <b>2002</b> , 27, 234-43		54
433	Activation of p38 mitogen-activated protein kinase attenuates <i>Leishmania donovani</i> infection in macrophages. <i>Infection and Immunity</i> , <b>2002</b> , 70, 5026-35	3-7	68
432	Regulation of human beta-defensin-2 in gingival epithelial cells: the involvement of mitogen-activated protein kinase pathways, but not the NF-kappaB transcription factor family. <b>2002</b> , 168, 316-24		157
431	Disruption of Mekk2 in mice reveals an unexpected role for MEKK2 in modulating T-cell receptor signal transduction. <b>2002</b> , 22, 5761-8		56
430	c-Src-dependent activation of the epidermal growth factor receptor and mitogen-activated protein kinase pathway by arsenic. Role in carcinogenesis. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 2945-50	5-4	94
429	Defective Fas ligand expression and activation-induced cell death in the absence of IL-2-inducible T cell kinase. <b>2002</b> , 168, 2163-72		66
428	Induction of apoptosis in vascular smooth muscle cells by mechanical stretch. <b>2002</b> , 282, H1709-16		68
427	Novel aspects of transforming growth factor-Beta in diabetic kidney disease. <b>2002</b> , 92, 7-21		13

426	Serotonin mechanisms in heart valve disease II: the 5-HT <sub>2</sub> receptor and its signaling pathway in aortic valve interstitial cells. <b>2002</b> , 161, 2209-18	97
425	Lymphotoxin beta receptor induces interleukin 8 gene expression via NF-kappaB and AP-1 activation. <b>2002</b> , 278, 166-74	62
424	Activated MAPK/ERK kinase (MEK-1) induces transdifferentiation of pigmented epithelium into neural retina. <b>2002</b> , 248, 251-64	76
423	Activation of extracellular signal regulated kinase 1/2 in human dermal microvascular endothelial cells stimulated by anti-endothelial cell antibodies in sera of patients with Behçet's disease. <b>2002</b> , 30, 63-72	16
422	Newer immunosuppressive drugs: their potential role in rheumatoid arthritis therapy. <b>2002</b> , 62, 891-907	31
421	Identification of genes involved in ceramide-dependent neuronal apoptosis using cDNA arrays. <b>2002</b> , 3, RESEARCH0042	20
420	Bruton's tyrosine kinase regulates B cell antigen receptor-mediated JNK1 response through Rac1 and phospholipase C-gamma2 activation. <b>2002</b> , 514, 260-2	9
419	Progression of dystrophic features and activation of mitogen-activated protein kinases and calcineurin by physical exercise, in hearts of mdx mice. <b>2002</b> , 520, 18-24	72
418	Regulation of proliferation/apoptosis equilibrium by mitogen-activated protein kinases in normal, hyperplastic, and carcinomatous human prostate. <b>2002</b> , 33, 299-306	62
417	The phosphatidylinositol 3-kinase, p38, and extracellular signal-regulated kinase pathways are involved in osteoclast differentiation. <b>2002</b> , 30, 71-7	241
416	Signaling pathways involved in the physiological response of mussel hemocytes to bacterial challenge: the role of stress-activated p38 MAP kinases. <b>2002</b> , 26, 325-34	80
415	HIV-1 gp120-Induced Tubular Epithelial Cell Apoptosis Is Mediated Through p38-MAPK Phosphorylation. <b>2002</b> , 8, 676-685	23
414	P38 mitogen-activated protein kinase inhibitor SB203580 has a bi-directional effect on iNOS expression and NO production. <b>2002</b> , 454, 115-23	24
413	Cyclooxygenase isozymes and their gene structures and expression. <b>2002</b> , 68-69, 95-114	298
412	Identification of interaction between MEK2 and A-Raf-1. <b>2002</b> , 1589, 71-6	2
411	Influence of aging and calorie restriction on MAPKs activity in rat kidney. <b>2002</b> , 37, 1041-53	58
410	Effects of oxalate on the re-initiation of DNA synthesis in LLC-PK1 cells do not involve p42/44 MAP kinase activation. <b>2002</b> , 61, 525-33	16
409	Activation of stress-activated protein kinases (SAPK) in tendon cells following cyclic strain: the effects of strain frequency, strain magnitude, and cytosolic calcium. <b>2002</b> , 20, 947-52	144

408	Redox/ROS regulation of lipopolysaccharide-induced mitogen-activated protein kinase (MAPK) activation and MAPK-mediated TNF-alpha biosynthesis. <b>2002</b> , 135, 520-36		128
407	Regulation of IL-13 synthesis in human lymphocytes: implications for asthma therapy. <b>2002</b> , 135, 1915-26		40
406	Arsenic carcinogenicity: Relevance of c-Src activation. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 234/235, 277-282	4.2	22
405	Subtype specific roles of mitogen activated protein kinases in L6E9 skeletal muscle cell differentiation. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 238, 27-39	4.2	30
404	Repeated fasting stress causes activation of mitogen-activated protein kinases (ERK/JNK) in rat liver. <b>2002</b> , 36, 72-80		10
403	Oxygen sensing in neuroendocrine cells and other cell types: pheochromocytoma (PC12) cells as an experimental model. <b>2003</b> , 14, 277-91		22
402	Role of MAP kinase in tumor progression and invasion. <b>2003</b> , 22, 395-403		412
401	Structural basis for tetrapyrrole coordination by uroporphyrinogen decarboxylase. <b>2003</b> , 22, 6225-33		68
400	Tyrosine kinase-mediated cell signalling in the activation of Mytilus hemocytes: possible role of STAT-like proteins. <b>2003</b> , 95, 603-13		27
399	Normal B-1 cell development but defective BCR signaling in Lck <sup>-/-</sup> mice. <b>2003</b> , 33, 441-5		14
398	Mammalian transcription factor LSF is a target of ERK signaling. <i>Journal of Cellular Biochemistry</i> , <b>2003</b> , 89, 733-46	4.7	23
397	Mitogen-activated protein kinase pathway mediates DBP-maf-induced apoptosis in RAW 264.7 macrophages. <i>Journal of Cellular Biochemistry</i> , <b>2003</b> , 90, 87-96	4.7	22
396	UV-induced skin damage. <b>2003</b> , 189, 21-39		713
395	TRAF6 and C-SRC induce synergistic AP-1 activation via PI3-kinase-AKT-JNK pathway. <b>2003</b> , 270, 1257-68		40
394	Secretion of matrix metalloproteinase-9 by the proinflammatory cytokine, IL-1beta: a role for the dual signalling pathways, Akt and Erk. <b>2003</b> , 8, 515-23		71
393	ASK1-p38 MAPK/JNK signaling cascade mediates anandamide-induced PC12 cell death. <b>2003</b> , 85, 50-61		80
392	Molecular mechanism of psychosine-induced cell death in human oligodendrocyte cell line. <b>2003</b> , 86, 1428-40		86
391	Renal ischemia/reperfusion and ATP depletion/repletion in LLC-PK(1) cells result in phosphorylation of FKHR and FKHL1. <b>2003</b> , 64, 1189-98		65

390	Modulation of renal epithelial barrier function by mitogen-activated protein kinases (MAPKs): mechanism of cyclosporine A-induced increase in transepithelial resistance. <b>2003</b> , 63, 908-16		35
389	Suppression of UVB-induced phosphorylation of mitogen-activated protein kinases and nuclear factor kappa B by green tea polyphenol in SKH-1 hairless mice. <b>2003</b> , 22, 9254-64		122
388	The role of H <sub>2</sub> O <sub>2</sub> as a mediator of UVB-induced apoptosis in keratinocytes. <b>2003</b> , 37, 655-63		57
387	Mitogen-activated protein (MAP) kinases mediate PMMA-induction of osteoclasts. <b>2003</b> , 21, 1041-8		49
386	Triterpene-enriched extracts from <i>Ganoderma lucidum</i> inhibit growth of hepatoma cells via suppressing protein kinase C, activating mitogen-activated protein kinases and G2-phase cell cycle arrest. <i>Life Sciences</i> , <b>2003</b> , 72, 2381-90	6.8	161
385	Activation of mitogen-activated protein kinase pathways during the death of PC12 cells is dependent on the state of differentiation. <b>2003</b> , 111, 52-60		16
384	The ethanol metabolite, linolenic acid ethyl ester, stimulates mitogen-activated protein kinase and cyclin signaling in hepatic stellate cells. <i>Life Sciences</i> , <b>2003</b> , 73, 1083-96	6.8	19
383	Cell signaling and transcription factor activation by asbestos in lung injury and disease. <b>2003</b> , 35, 1198-209		70
382	Interleukin-2. <b>2003</b> , 167-199		9
381	Vascular integrins: pleiotropic adhesion and signaling molecules in vascular homeostasis and angiogenesis. <b>2003</b> , 60, 1135-57		124
380	Oxidative stress mediates air pollution particle-induced acute lung injury and molecular pathology. <b>2003</b> , 15, 1327-46		52
379	Regulation of PRAK subcellular location by p38 MAP kinases. <b>2003</b> , 14, 2603-16		65
378	LDL immune complexes stimulate LDL receptor expression in U937 histiocytes via extracellular signal-regulated kinase and AP-1. <b>2003</b> , 44, 1315-21		6
377	c-Jun NH <sub>2</sub> -terminal kinase inhibitor anthra(1,9-cd)pyrazol-6(2H)-one reduces inducible nitric-oxide synthase expression by destabilizing mRNA in activated macrophages. <b>2003</b> , 64, 308-15		74
376	Opposed arsenite-induced signaling pathways promote cell proliferation or apoptosis in cultured lung cells. <b>2004</b> , 25, 21-8		81
375	Regulation of a mitogen-activated protein kinase kinase kinase, MLTK by PKN. <b>2003</b> , 133, 181-7		22
374	Mechanical stretch activates nuclear factor-kappaB, activator protein-1, and mitogen-activated protein kinases in lung parenchyma: implications in asthma. <i>FASEB Journal</i> , <b>2003</b> , 17, 1800-11	0.9	79
373	Biochemical characterizations reveal different properties between CDK4/cyclin D1 and CDK2/cyclin A. <b>2003</b> , 35, 421-30		9

372	Axin utilizes distinct regions for competitive MEKK1 and MEKK4 binding and JNK activation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 37451-8	5.4	49
371	8-isoprostane increases expression of interleukin-8 in human macrophages through activation of mitogen-activated protein kinases. <b>2003</b> , 59, 945-54		53
370	Inhibition of anti-CD3 and interleukin-2 stimulated T lymphocyte proliferation by peptidomimetic opioid compound. <b>2003</b> , 25, 225-33		2
369	Nitric oxide-releasing non steroidal anti-inflammatory drugs: a new generation of anti-tumoral molecules. <i>Current Cancer Drug Targets</i> , <b>2003</b> , 3, 407-26	2.8	15
368	Regulation of MAPK signaling pathways through immunophilin-ligand complex. <b>2003</b> , 3, 1358-67		37
367	Integration of G-protein coupled receptor signaling pathways for activation of a transcription factor (EGR-3). <b>2003</b> , 1, 173-9		6
366	Are changes in MAPK/ERK necessary or sufficient for entrainment in chick pineal cells?. <b>2003</b> , 23, 10021-31		9
365	mRNA expression and release of interleukin-8 induced by serum amyloid A in neutrophils and monocytes. <b>2003</b> , 12, 173-8		57
364	G alpha 13-mediated transformation and apoptosis are permissively dependent on basal ERK activity. <b>2003</b> , 285, C922-34		14
363	Anandamide induces apoptosis in human endothelial cells: its regulation system and clinical implications. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 89, 875-884	7	52
362	Coordinate signaling by Src and p38 kinases in the induction of cortical cataracts. <b>2004</b> , 45, 2314-23		15
361	Identification and characterization of novel human glioma-specific peptides to potentiate tumor-specific gene delivery. <b>2004</b> , 15, 719-32		20
360	Mitogen-activated protein kinase phosphatase-1 is overexpressed in non-small cell lung cancer and is an independent predictor of outcome in patients. <b>2004</b> , 10, 3639-49		109
359	Oxalate inhibits renal proximal tubule cell proliferation via oxidative stress, p38 MAPK/JNK, and cPLA2 signaling pathways. <b>2004</b> , 287, C1058-66		27
358	Mitogen-activated protein kinase and caspase signaling pathways are required for P2X7 receptor (P2X7R)-induced pore formation in human THP-1 cells. <b>2004</b> , 308, 1053-61		115
357	C-reactive protein stimulates MMP-1 expression in U937 histiocytes through Fc[gamma]RII and extracellular signal-regulated kinase pathway:: an implication of CRP involvement in plaque destabilization. <b>2004</b> , 24, 61-6		92
356	The gamma-glutamylcysteine synthetase and glutathione regulate asbestos-induced expression of activator protein-1 family members and activity. <b>2004</b> , 64, 7780-6		25
355	The proinflammatory cytokines tumor necrosis factor-alpha and interleukin-1 stimulate neuropeptide gene transcription and secretion in adrenochromaffin cells via activation of extracellularly regulated kinase 1/2 and p38 protein kinases, and activator protein-1 transcription factors. <b>2004</b> , 18, 1721-30		43

354	Trihydrophobin 1 is a new negative regulator of A-Raf kinase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 10167-75	5-4	16
353	Involvement of the ERK signaling cascade in protein kinase C-mediated cell cycle arrest in intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 9233-47	5-4	64
352	Involvement of mitogen-activated protein kinase in the cytokine-regulated phosphorylation of transcription factor GATA-1. <b>2004</b> , 5, 262-72		28
351	Distinct functions of Vav1 in JNK1 activation in Jurkat T cells versus non-haematopoietic cells. <b>2004</b> , 59, 527-35		3
350	Comparative signaling pathways of insulin-like growth factor-1 and brain-derived neurotrophic factor in hippocampal neurons and the role of the PI3 kinase pathway in cell survival. <b>2004</b> , 89, 844-52		156
349	Insulin-like growth factor-II regulates the expression of vascular endothelial growth factor by the human keratinocyte cell line HaCaT. <b>2004</b> , 123, 152-8		45
348	Mitogen-activated protein kinases in apoptosis regulation. <b>2004</b> , 23, 2838-49		1205
347	Disruption of MKK4 signaling reveals its tumor-suppressor role in embryonic stem cells. <b>2004</b> , 23, 4735-44		30
346	Arsenic and urinary bladder cell proliferation. <b>2004</b> , 198, 419-23		65
345	Upregulation of FasL by LPA on ovarian cancer cell surface leads to apoptosis of activated lymphocytes. <b>2004</b> , 95, 488-95		16
344	Urocortin does not reduce the renal injury and dysfunction caused by experimental ischaemia/reperfusion. <b>2004</b> , 496, 175-80		3
343	Endothelial cell integrins and COX-2: mediators and therapeutic targets of tumor angiogenesis. <b>2004</b> , 1654, 51-67		48
342	The role of calcium in hypoxia-induced signal transduction and gene expression. <b>2004</b> , 36, 331-40		71
341	Role of constitutively activated and insulin-like growth factor-stimulated ERK1/2 signaling in human hepatoma cell proliferation and apoptosis: evidence for heterogeneity of tumor cell lines. <b>2004</b> , 1030, 219-29		17
340	Differential induction of TNF-alpha and NOS2 by mitogen-activated protein kinase signaling pathways during <i>Mycobacterium bovis</i> infection. <b>2004</b> , 48, 66-73		8
339	Breakdown of the regulatory control of pyrimidine biosynthesis in human breast cancer cells. <b>2004</b> , 109, 491-8		33
338	Ferulic acid inhibits endothelial cell proliferation through NO down-regulating ERK1/2 pathway. <i>Journal of Cellular Biochemistry</i> , <b>2004</b> , 93, 1203-9	4-7	34
337	ERK signaling pathway is differentially involved in erythroid differentiation of K562 cells depending on time and the inducing agent. <b>2004</b> , 28, 403-10		26

336	A potential role of 15-deoxy-delta(12,14)-prostaglandin J2 for induction of human articular chondrocyte apoptosis in arthritis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 37939-50	5.4	67
335	MDA-7/IL-24 is a unique cytokine--tumor suppressor in the IL-10 family. <b>2004</b> , 4, 649-67		115
334	Protective effect of Ligusticum chuanxiong and Angelica sinensis on endothelial cell damage induced by hydrogen peroxide. <i>Life Sciences</i> , <b>2004</b> , 75, 1775-86	6.8	79
333	Gastrodia elata prevents rat pheochromocytoma cells from serum-deprived apoptosis: the role of the MAPK family. <i>Life Sciences</i> , <b>2004</b> , 75, 1649-57	6.8	33
332	Energy restriction controls aging through neuroendocrine signal transduction. <b>2004</b> , 3, 189-98		28
331	Control and regulation of pulmonary hypoplasia associated with congenital diaphragmatic hernia. <b>2004</b> , 13, 37-43		17
330	Translating MAPK Inhibitors To Anti-Inflammatory Compounds. <b>2005</b> , 1, 75-84		1
329	Dopamine and Neurodegeneration. <b>2005</b> , 415-445		1
328	Serotonin via 5-HT7 receptors activates p38 mitogen-activated protein kinase and protein kinase C epsilon resulting in interleukin-6 synthesis in human U373 MG astrocytoma cells. <b>2005</b> , 93, 549-59		57
327	The selective PPARgamma antagonist GW9662 reverses the protection of LPS in a model of renal ischemia-reperfusion. <b>2005</b> , 68, 529-36		38
326	Linking stress to immunity?. <b>2005</b> , 6, 541-2		19
325	The role of autophagy in cancer development and response to therapy. <b>2005</b> , 5, 726-34		1395
324	Inactivation of p38 kinase delays the onset of senescence in rabbit articular chondrocytes. <b>2005</b> , 126, 591-7		17
323	Inhibition of inflammatory bone erosion by constitutively active STAT-6 through blockade of JNK and NF-kappaB activation. <b>2005</b> , 52, 2719-29		31
322	Effect of nitric oxide on mitogen-activated protein kinases in neonatal pulmonary vascular smooth muscle. <b>2005</b> , 183, 325-35		9
321	Mechanism of endothelin-1 activation of MAP kinases in neonatal pulmonary vascular smooth muscle. <b>2005</b> , 183, 425-39		10
320	Essential role of PI-3K, ERKs and calcium signal pathways in nickel-induced VEGF expression. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 279, 35-43	4.2	21
319	Hsp72 and Cell Signalling. <b>2005</b> , 144-159		2



318	Molecular pathways involved in apoptotic cell death in the injured cochlea: cues to novel therapeutic strategies. <b>2005</b> , 11, 2257-75		9
317	Inhibitors of mitogen-activated protein kinases downregulate COX-2 expression in human chondrocytes. <b>2005</b> , 2005, 249-55		49
316	Activation mechanisms of endothelial NF-kappaB, IKK, and MAP kinase by tert-butyl hydroperoxide. <b>2005</b> , 39, 399-409		16
315	Modulation of apoptosis in HaCaT keratinocytes via differential regulation of ERK signaling pathway by flavonoids. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 31498-507	5-4	85
314	Notch interferes with the scaffold function of JNK-interacting protein 1 to inhibit the JNK signaling pathway. <b>2005</b> , 102, 14308-13		59
313	Mip1, an MEKK2-interacting protein, controls MEKK2 dimerization and activation. <b>2005</b> , 25, 5955-64		40
312	Advances in osteoclast differentiation and function. <b>2005</b> , 5, 347-55		22
311	TAK1 is recruited to the tumor necrosis factor-alpha (TNF-alpha) receptor 1 complex in a receptor-interacting protein (RIP)-dependent manner and cooperates with MEKK3 leading to NF-kappaB activation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 43056-63	5-4	99
310	Regulation of p38 phosphorylation and topoisomerase IIalpha expression in the B-cell lymphoma line Jiyoye by CD26/dipeptidyl peptidase IV is associated with enhanced in vitro and in vivo sensitivity to doxorubicin. <b>2005</b> , 65, 1973-83		23
309	Differential regulation of interleukin-8 gene transcription by death receptor 3 (DR3) and type I TNF receptor (TNFR1). <b>2006</b> , 312, 266-77		18
308	Molecular biology of malignant mesothelioma: a review. <b>2005</b> , 19, 997-1023, v		13
307	Substance P activates p38 mitogen-activated protein kinase to promote IL-6 induction in human dental pulp fibroblasts. <b>2005</b> , 46, 153-8		20
306	Signal transduction of stem cell factor in promoting early follicle development. <b>2005</b> , 229, 3-10		25
305	Up-regulation of mitogen activated protein kinases in mdx skeletal muscle following chronic treadmill exercise. <b>2005</b> , 1740, 326-31		40
304	MAPKs mediate the activation of cytosolic phospholipase A2 by amyloid beta(25-35) peptide in bovine retina pericytes. <b>2005</b> , 1733, 172-86		20
303	PI3K-AKT pathway mediates growth and survival signals during development of fetal mouse lung. <b>2005</b> , 37, 25-35		39
302	Purification and kinetic characterization of recombinant human mitogen-activated protein kinase kinase kinase COT and the complexes with its cellular partner NF-kappa B1 p105. <b>2005</b> , 441, 64-74		16
301	Ultraviolet (UV) light irradiation induced signal transduction in skin photoaging. <b>2005</b> , 1, S1-S8		37

300	Suppressed MKP-1 is an independent predictor of outcome in patients with hepatocellular carcinoma. <b>2005</b> , 69, 342-7	47
299	Dopamine and Glutamate in Psychiatric Disorders. <b>2005</b> ,	5
298	LDL receptor gene transcription is selectively induced by t10c12-CLA but not by c9t11-CLA in the human hepatoma cell line HepG2. <b>2006</b> , 1761, 1235-43	18
297	Immunosuppressants inhibit hormone-stimulated Mg <sup>2+</sup> uptake in mouse distal convoluted tubule cells. <b>2006</b> , 341, 742-8	12
296	Ketamine-induced cardiac depression is associated with increase in [Mg <sup>2+</sup> ] <sub>i</sub> and activation of p38 MAP kinase and ERK 1/2 in guinea pig. <b>2006</b> , 349, 716-22	14
295	JNK inhibitor SP600125 reduces COX-2 expression by attenuating mRNA in activated murine J774 macrophages. <b>2006</b> , 6, 987-96	38
294	Glutamine inhibits lipopolysaccharide-induced cytoplasmic phospholipase A2 activation and protects against endotoxin shock in mouse. <b>2006</b> , 25, 290-4	21
293	SREBP-1: gene regulatory key to syndrome X?. <b>2002</b> , 967, 19-27	25
292	Vascular endothelial growth factor expression in monocytes from patients with primary antiphospholipid syndrome. <b>2006</b> , 4, 2461-9	74
291	Molecular effects of fermented papaya preparation on oxidative damage, MAP Kinase activation and modulation of the benzo[a]pyrene mediated genotoxicity. <b>2006</b> , 26, 147-59	50
290	Serum deprivation induced apoptosis in macrophage is mediated by autocrine secretion of type I IFNs. <b>2006</b> , 11, 545-54	12
289	Regulation of Drosophila p38 activation by specific MAP2 kinase and MAP3 kinase in response to different stimuli. <b>2006</b> , 18, 441-8	40
288	c-Src couples PI 3 kinase/Akt and MAPK signaling to PDGF-induced DNA synthesis in mesangial cells. <b>2006</b> , 18, 1854-64	52
287	Ligustilide inhibits vascular smooth muscle cells proliferation. <b>2006</b> , 542, 136-40	49
286	Modulation of hydrogen peroxide-induced DNA damage, MAPKs activation and cell death in PC12 by ergothioneine. <b>2006</b> , 25, 135-45	57
285	Coordinate activation of intracellular signaling pathways by insulin-like growth factor-1 and platelet-derived growth factor in rat hepatic stellate cells. <b>2006</b> , 147, 234-41	18
284	Antiphospholipid antibodies from patients with the antiphospholipid syndrome induce monocyte tissue factor expression through the simultaneous activation of NF-kappaB/Rel proteins via the p38 mitogen-activated protein kinase pathway, and of the MEK-1/ERK pathway. <b>2006</b> , 54, 301-11	165
283	Effects of interleukins 2 and 12 on TBT-induced alterations of MAP kinases p38 and p44/42 in human natural killer cells. <b>2006</b> , 26, 132-8	1

282	Map kinase c-JUN N-terminal kinase mediates PMMA induction of osteoclasts. <b>2006</b> , 24, 1349-57	24
281	Determinants that control the specific interactions between TAB1 and p38alpha. <b>2006</b> , 26, 3824-34	27
280	The role of lipolysis in mediating the proinflammatory effects of very low density lipoproteins in mouse peritoneal macrophages. <b>2006</b> , 47, 1406-15	72
279	Nuclear protein NP60 regulates p38 MAPK activity. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 115-23	5-3 13
278	Antiphospholipid syndrome and tissue factor: a thrombotic couple. <b>2006</b> , 15, 161-6	27
277	T-lymphokine-activated killer cell-originated protein kinase functions as a positive regulator of c-Jun-NH2-kinase 1 signaling and H-Ras-induced cell transformation. <b>2007</b> , 67, 5186-94	50
276	MEKK3 is required for endothelium function but is not essential for tumor growth and angiogenesis. <b>2007</b> , 293, C1404-11	31
275	The role of Bax/Bcl-2 and pro-caspase peptides in hypoxia/reperfusion-dependent regulation of MAPK(ERK): discordant proteomic effect of MAPK(p38). <b>2007</b> , 14, 361-71	25
274	Discordant tissue-specific expression of SAPK/MAPK(JNK)-related cofactors in hypoxia and hypoxia/reoxygenation in a model of anoxia-tolerance. <b>2007</b> , 14, 373-80	4
273	Endothelin-1-induced signaling pathways in vascular smooth muscle cells. <b>2007</b> , 5, 45-52	111
272	Involvement of p42/44 MAPK in the effects of ethanol on secretion of insulin-like growth factor (IGF)-I and insulin-like growth factor binding protein (IGFBP)-1 in primary cultured rat hepatocytes. <b>2007</b> , 117, 187-201	7
271	Genistein-induced apoptosis of human breast cancer MCF-7 cells involves calpain-caspase and apoptosis signaling kinase 1-p38 mitogen-activated protein kinase activation cascades. <b>2007</b> , 18, 649-57	48
270	Cytokine-effects on glucocorticoid receptor function: relevance to glucocorticoid resistance and the pathophysiology and treatment of major depression. <b>2007</b> , 21, 9-19	447
269	Erk pathways negatively regulate matrix mineralization. <b>2007</b> , 40, 68-74	58
268	Differentiation-inducing potency of the seco-steroid JK-1624F2-2 can be increased by combination with an antioxidant and a p38MAPK inhibitor which upregulates the JNK pathway. <b>2007</b> , 105, 140-9	14
267	Iron supplementation protects against lead-induced apoptosis through MAPK pathway in weanling rat cortex. <b>2007</b> , 28, 850-9	28
266	Taurine increases cell proliferation and generates an increase in [Mg <sup>2+</sup> ] <sub>i</sub> accompanied by ERK 1/2 activation in human osteoblast cells. <b>2007</b> , 581, 5929-34	35
265	Mast cells play a key role in the development of late airway hyperresponsiveness through TNF-alpha in a murine model of asthma. <b>2007</b> , 37, 1107-15	43

264	Mechanisms of action of the carcinogenic heterocyclic amine PhIP. <b>2007</b> , 168, 269-77	31
263	UVB-Protective Effects of Isoflavone Extracts from Soybean Cake in Human Keratinocytes. <i>International Journal of Molecular Sciences</i> , <b>2007</b> , 8, 651-661	6.3 13
262	Cyclic stretch induces PLGF expression in bronchial airway epithelial cells via nitric oxide release. <b>2007</b> , 292, L559-66	32
261	Hypophosphorylated TCR/CD3zeta signals through a Grb2-SOS1-Ras pathway in Lck knockdown cells. <b>2007</b> , 37, 2539-48	11
260	Apoptosis induced by NO via phosphorylation of p38 MAPK that stimulates NF-kappaB, p53 and caspase-3 activation in rabbit articular chondrocytes. <b>2007</b> , 31, 1027-35	39
259	Scaffold proteins of MAP-kinase modules. <b>2007</b> , 26, 3185-202	223
258	Investigation of the immunosuppressive activity of artemether on T-cell activation and proliferation. <b>2007</b> , 150, 652-61	64
257	Feedback control of MKP-1 expression by p38. <b>2007</b> , 19, 393-400	68
256	Suppressive effect of a novel water-soluble artemisinin derivative SM905 on T cell activation and proliferation in vitro and in vivo. <b>2007</b> , 564, 211-8	32
255	2,2',4,4'-Tetrachlorobiphenyl upregulates cyclooxygenase-2 in HL-60 cells via p38 mitogen-activated protein kinase and NF-kappaB. <b>2007</b> , 221, 285-94	7
254	Derivation of clinically compliant MSCs from CD105+, CD24- differentiated human ESCs. <b>2007</b> , 25, 425-36	267
253	Insulin-like growth factor-I and Bcl-X(L) inhibit c-jun N-terminal kinase activation and rescue Schwann cells from apoptosis. <b>2001</b> , 76, 935-43	28
252	Effect of Seabuckthorn ( <i>Hippophae rhamnoides</i> ) flavone on immune system: an in-vitro approach. <b>2008</b> , 22, 1490-5	36
251	Mycoplasma genitalium-derived lipid-associated membrane proteins induce activation of MAPKs, NF-kappaB and AP-1 in THP-1 cells. <b>2008</b> , 52, 228-36	24
250	Cyclooxygenase-2 expression induced by photofrin photodynamic therapy involves the p38 MAPK pathway. <b>2008</b> , 84, 509-14	21
249	Roles of ERK and p38 mitogen-activated protein kinases in phorbol ester-induced NF-kappaB activation and COX-2 expression in human breast epithelial cells. <b>2008</b> , 171, 133-41	29
248	Involvement of mitogen-activated protein kinases and NFkappaB in LPS-induced CD40 expression on human monocytic cells. <b>2008</b> , 228, 135-43	16
247	Mechanism of copper-activated transcription: activation of AP-1, and the JNK/SAPK and p38 signal transduction pathways. <b>2008</b> , 383, 1008-18	48

246	Differential crosstalk between P2X7 and arachidonic acid in activation of mitogen-activated protein kinases. <b>2008</b> , 53, 255-62	18
245	Inhibition of LPS-induced NO and PGE2 production by asiatic acid via NF-kappa B inactivation in RAW 264.7 macrophages: possible involvement of the IKK and MAPK pathways. <b>2008</b> , 8, 431-41	195
244	Cruzipain and SP600125 induce p38 activation, alter NO/arginase balance and favor the survival of <i>Trypanosoma cruzi</i> in macrophages. <b>2008</b> , 106, 119-27	26
243	Induction of cell death in RAW 264.7 cells by alpha-lactalbumin. <b>2008</b> , 46, 842-53	18
242	Oxidative and molecular interactions of multi-wall carbon nanotubes (MWCNT) in normal and malignant human mesothelial cells. <b>2008</b> , 2, 155-170	44
241	Antiproliferative effects of GnRH agonists: prospects and problems for cancer therapy. <b>2008</b> , 88, 67-79	28
240	Fermented <i>Antrodia cinnamomea</i> extract protects rat PC12 cells from serum deprivation-induced apoptosis: the role of the MAPK family. <b>2008</b> , 56, 865-74	29
239	Phosphorylated heat shock protein 27 represses growth of hepatocellular carcinoma via inhibition of extracellular signal-regulated kinase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 18852-60	5-4 33
238	TGF-beta inhibits IL-2 production and promotes cell cycle arrest in TCR-activated effector/memory T cells in the presence of sustained TCR signal transduction. <b>2008</b> , 180, 1490-8	39
237	Toxicity and Carcinogenicity of Metals. <b>2008</b> , 183-210	
236	Tumor necrosis factor-alpha develops late anaphylactic reaction through cytosolic phospholipase A(2) activation. <b>2008</b> , 147, 315-22	7
235	A global genomic view of MIF knockdown-mediated cell cycle arrest. <b>2008</b> , 7, 1678-92	26
234	Innate immune responses in murine pleural mesothelial cells: Toll-like receptor-2 dependent induction of beta-defensin-2 by staphylococcal peptidoglycan. <b>2008</b> , 295, L461-70	36
233	The p110 delta of PI3K plays a critical role in NK cell terminal maturation and cytokine/chemokine generation. <b>2008</b> , 205, 2419-35	87
232	Activation of JNK in the inner ear following impulse noise exposure. <b>2008</b> , 25, 72-7	35
231	Sustained ERK activation is involved in the kaempferol-induced apoptosis of breast cancer cells and is more evident under 3-D culture condition. <b>2008</b> , 7, 1080-9	69
230	Adaptor SKAP-55 binds p21 activating exchange factor RasGRP1 and negatively regulates the p21-ERK pathway in T-cells. <b>2008</b> , 3, e1718	12
229	Involvement of LOC66273 isoform 2, a novel Mth938 containing protein, in MAPK pathway. <b>2009</b> , E3, 1241	

228	A selective small-molecule nuclear factor-kappaB inhibitor from a high-throughput cell-based assay for "activator protein-1 hits". <b>2009</b> , 8, 571-81		16
227	Glutamine protects mice from lethal endotoxic shock via a rapid induction of MAPK phosphatase-1. <b>2009</b> , 182, 7957-62		31
226	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
225	MEKK3 is essential for lymphopenia-induced T cell proliferation and survival. <b>2009</b> , 182, 3597-608		17
224	Dasatinib-induced autophagy is enhanced in combination with temozolomide in glioma. <b>2009</b> , 8, 394-406		104
223	Activation of SHIP via a small molecule agonist kills multiple myeloma cells. <b>2009</b> , 37, 1274-83		28
222	Mechanistic study of saikosaponin-d (Ssd) on suppression of murine T lymphocyte activation. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 107, 303-15	4-7	58
221	Different protection of K252a and N-acetyl-L-cysteine against amyloid-beta peptide-induced cortical neuron apoptosis involving inhibition of MLK3-MKK7-JNK3 signal cascades. <b>2009</b> , 87, 918-27		28
220	Flavonoids as anti-inflammatory agents: implications in cancer and cardiovascular disease. <b>2009</b> , 58, 537-52		665
219	SM905, an artemisinin derivative, inhibited NO and pro-inflammatory cytokine production by suppressing MAPK and NF-kappaB pathways in RAW 264.7 macrophages. <i>Acta Pharmacologica Sinica</i> , <b>2009</b> , 30, 1428-35	8	67
218	Dehydroepiandrosterone inhibits CD40/CD40L expression on human umbilical vein endothelial cells induced by interferon gamma. <b>2009</b> , 9, 168-72		3
217	Immunosuppressant FK506 decreases the intracellular magnesium in the human osteoblast cell by inhibiting the ERK1/2 pathway. <i>Life Sciences</i> , <b>2009</b> , 84, 23-7	6.8	10
216	Ligusticum chuanxiong as a potential neuroprotectant for preventing serum deprivation-induced apoptosis in rat pheochromocytoma cells: functional roles of mitogen-activated protein kinases. <b>2009</b> , 122, 417-23		25
215	Role of oxidative stress in pancreatic inflammation. <b>2009</b> , 11, 135-65		188
214	Receptor tyrosine kinase signaling: a view from quantitative proteomics. <b>2009</b> , 5, 1112-21		54
213	Science and Practice of Pediatric Critical Care Medicine. <b>2009</b> ,		1
212	Identification of the bioactive constituent and its mechanisms of action in mediating the anti-inflammatory effects of black cohosh and related Cimicifuga species on human primary blood macrophages. <b>2009</b> , 52, 6707-15		40
211	p38 MAP kinase-dependent regulation of the expression level and subcellular distribution of heterogeneous nuclear ribonucleoprotein A1 and its involvement in cellular senescence in normal human fibroblasts. <b>2009</b> , 6, 293-304		27

210	Activation of the MEK-S6 pathway in high-grade ovarian cancers. <b>2010</b> , 18, 499-508		9
209	Extracellular signal-regulated kinase and phosphatidylinositol-3-kinase/AKT signalling pathways in the human carotid body and peripheral ganglia. <b>2010</b> , 112, 305-16		5
208	S-adenosylmethionine regulates dual-specificity mitogen-activated protein kinase phosphatase expression in mouse and human hepatocytes. <b>2010</b> , 51, 2152-61		29
207	Aurothiomalate inhibits cyclooxygenase 2, matrix metalloproteinase 3, and interleukin-6 expression in chondrocytes by increasing MAPK phosphatase 1 expression and decreasing p38 phosphorylation: MAPK phosphatase 1 as a novel target for antirheumatic drugs. <b>2010</b> , 62, 1650-9		52
206	Prokaryotic expression and characterization of human AC3-33 protein. <b>2010</b> , 2, 1134-42		3
205	Differential regulation of mitogen-activated protein kinase pathways by acetaminophen and its nonhepatotoxic regioisomer 3Phydroxyacetanilide in TAMH cells. <b>2010</b> , 116, 164-73		29
204	Single- and multi-wall carbon nanotubes versus asbestos: are the carbon nanotubes a new health risk to humans?. <b>2010</b> , 73, 378-95		125
203	MicroRNA-101 targets MAPK phosphatase-1 to regulate the activation of MAPKs in macrophages. <b>2010</b> , 185, 7435-42		129
202	AMP-activated protein kinase antagonizes pro-apoptotic extracellular signal-regulated kinase activation by inducing dual-specificity protein phosphatases in response to glucose deprivation in HCT116 carcinoma. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 14617-27	5.4	39
201	Leishmania interferes with host cell signaling to devise a survival strategy. <b>2010</b> , 2010, 109189		53
200	Physicochemical control of adult stem cell differentiation: shedding light on potential molecular mechanisms. <b>2010</b> , 2010, 743476		34
199	Activation of the MAPKs ERK1/2 by cell swelling in turbot hepatocytes. <b>2010</b> , 102, 447-56		4
198	Stimulatory effects of areca nut extracts on prostaglandin E2 production by human polymorphonuclear leukocytes. <b>2010</b> , 81, 758-66		8
197	YC-1 enhances natural killer cell differentiation from hematopoietic stem cells. <b>2010</b> , 10, 481-6		7
196	Cilostazol protects mice against endotoxin shock and attenuates LPS-induced cytokine expression in RAW 264.7 macrophages via MAPK inhibition and NF-kappaB inactivation: not involved in cAMP mechanisms. <b>2010</b> , 10, 1077-85		26
195	Spatiotemporal alteration in phosphatidylinositide 3-kinase-serine/threonine protein kinase B signaling in the nitrofen-induced hypoplastic lung. <b>2010</b> , 45, 366-71		6
194	Arsenic-induced cell proliferation is associated with enhanced ROS generation, Erk signaling and CyclinA expression. <b>2010</b> , 198, 263-71		71
193	Inflammatory responses to <i>Mycoplasma hyopneumoniae</i> in murine alveolar macrophage cell lines. <b>2011</b> , 59, 185-90		23



192	Loss of cAMP-dependent protein kinase A affects multiple traits important for root pathogenesis by <i>Fusarium oxysporum</i> . <b>2011</b> , 24, 719-32		35
191	Transcription factor Foxp1 exerts essential cell-intrinsic regulation of the quiescence of naive T cells. <b>2011</b> , 12, 544-50		131
190	Antiviral activity of the MEK-inhibitor U0126 against pandemic H1N1v and highly pathogenic avian influenza virus in vitro and in vivo. <b>2011</b> , 92, 195-203		84
189	A redox microenvironment is essential for MAPK-dependent secretion of pro-inflammatory cytokines: modulation by glutathione (GSH/GSSG) biosynthesis and equilibrium in the alveolar epithelium. <b>2011</b> , 270, 53-61		19
188	AC3-33, a novel secretory protein, inhibits Elk1 transcriptional activity via ERK pathway. <b>2011</b> , 38, 1375-82		14
187	<i>Mycoplasma hyopneumoniae</i> induces pro-inflammatory cytokine and nitric oxide production through NF $\kappa$ B and MAPK pathways in RAW264.7 cells. <b>2011</b> , 35, 21-34		25
186	Suppression by heat shock protein 20 of hepatocellular carcinoma cell proliferation via inhibition of the mitogen-activated protein kinases and AKT pathways. <i>Journal of Cellular Biochemistry</i> , <b>2011</b> , 112, 3430-9	4-7	24
185	The kinases MEKK2 and MEKK3 regulate transforming growth factor- $\beta$ -mediated helper T cell differentiation. <b>2011</b> , 34, 201-12		42
184	MEKK3 regulates IFN-gamma production in T cells through the Rac1/2-dependent MAPK cascades. <b>2011</b> , 186, 5791-800		25
183	Diosgenin Induces Apoptosis in HepG2 Cells through Generation of Reactive Oxygen Species and Mitochondrial Pathway. <b>2012</b> , 2012, 981675		40
182	Urinary trypsin inhibitor attenuates lipopolysaccharide-induced neutrophil activation. <b>2012</b> , 63, 540-6		2
181	Diesel exhaust particles and airway inflammation. <b>2012</b> , 18, 144-50		95
180	IKK kinase $\beta$ is required for activation of NF- $\kappa$ B and AP-1 in CD3/CD28-stimulated primary CD4(+) T cells. <b>2012</b> , 188, 2545-55		14
179	Glutamine suppresses airway neutrophilia by blocking cytosolic phospholipase A(2) via an induction of MAPK phosphatase-1. <b>2012</b> , 189, 5139-46		13
178	The prolactin receptor mediates HOXA1-stimulated oncogenicity in mammary carcinoma cells. <b>2012</b> , 41, 2285-95		15
177	(1S,2S,3E,7E,11E)-3,7,11,15-Cembratetraen-17,2-olide, a cembrenolide diterpene from soft coral <i>Lobophytum</i> sp., inhibits growth and induces apoptosis in human colon cancer cells through reactive oxygen species generation. <i>Biological and Pharmaceutical Bulletin</i> , <b>2012</b> , 35, 1054-63	2-3	16
176	Isorhamnetin inhibits H <sub>2</sub> O <sub>2</sub> -induced activation of the intrinsic apoptotic pathway in H9c2 cardiomyocytes through scavenging reactive oxygen species and ERK inactivation. <i>Journal of Cellular Biochemistry</i> , <b>2012</b> , 113, 473-85	4-7	72
175	Hypoxia-induced insulin-like growth factor II contributes to retinal vascularization in ocular development. <b>2012</b> , 94, 734-40		9

174	Michelia alba extract attenuates UVB-induced expression of matrix metalloproteinases via MAP kinase pathway in human dermal fibroblasts. <b>2012</b> , 50, 4260-9		67
173	Suppression of dendritic cell-mediated responses by genes in calcium and cysteine protease pathways during Mycobacterium tuberculosis infection. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 11108-21	5.4	21
172	Protective effects of hyperoside against human umbilical vein endothelial cell damage induced by hydrogen peroxide. <b>2012</b> , 139, 388-94		34
171	Mitogen-activated protein kinase phosphatase (MKP)-1 in immunology, physiology, and disease. <i>Life Sciences</i> , <b>2012</b> , 90, 237-48	6.8	86
170	Targeting the host or the virus: current and novel concepts for antiviral approaches against influenza virus infection. <b>2012</b> , 96, 391-404		85
169	Composition of air pollution particles and oxidative stress in cells, tissues, and living systems. <b>2012</b> , 15, 1-21		334
168	B7-H4 Treatment of T Cells Inhibits ERK, JNK, p38, and AKT Activation. <b>2012</b> , 7, e28232		36
167	Synergistic Induction of iNOS by IFN- $\gamma$ and Glycoprotein Isolated from Dioscorea batatas. <b>2012</b> , 16, 431-6		9
166	Regulation of cell signaling and porcine reproductive and respiratory syndrome virus. <b>2012</b> , 24, 973-80		10
165	Mitochondrial superoxide mediates doxorubicin-induced keratinocyte apoptosis through oxidative modification of ERK and Bcl-2 ubiquitination. <b>2012</b> , 83, 1643-54		63
164	L-Carnitine rescues ketamine-induced attenuated heart rate and MAPK (ERK) activity in zebrafish embryos. <b>2012</b> , 33, 205-12		31
163	Endosulfan upregulates AP-1 binding and ARE-mediated transcription via ERK1/2 and p38 activation in HepG2 cells. <b>2012</b> , 292, 23-32		21
162	Kaempferol protects against doxorubicin-induced cardiotoxicity in vivo and in vitro. <b>2012</b> , 292, 53-62		96
161	Enantioselective effect of bifenthrin on antioxidant enzyme gene expression and stress protein response in PC12 cells. <b>2013</b> , 33, 586-92		17
160	Signalling mechanisms involved in renal pathological changes during cisplatin-induced nephropathy. <b>2013</b> , 69, 1863-74		25
159	The effect of hyperoside on the functional recovery of the ischemic/reperfused isolated rat heart: potential involvement of the extracellular signal-regulated kinase 1/2 signaling pathway. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 57, 132-40	7.8	52
158	The suppressive effects of Saposhnikovia divaricata (Fangfeng) chromone extract on rheumatoid arthritis via inhibition of nuclear factor- $\kappa$ B and mitogen activated protein kinases activation on collagen-induced arthritis model. <b>2013</b> , 148, 842-50		56
157	Mechanical regulation of cancer cell apoptosis and autophagy: roles of bone morphogenetic protein receptor, Smad1/5, and p38 MAPK. <b>2013</b> , 1833, 3124-3133		74

156	Mechanisms of CpG-induced CD40 expression on murine bone marrow-derived dendritic cells. <b>2013</b> , 46, 177-87	6
155	Anti-inflammatory effect of prunetin via the suppression of NF- $\kappa$ B pathway. <b>2013</b> , 58, 124-32	33
154	Secalonic acid A protects dopaminergic neurons from 1-methyl-4-phenylpyridinium (MPP+)-induced cell death via the mitochondrial apoptotic pathway. <b>2013</b> , 713, 58-67	31
153	Sequestration of mitochondrial iron by silica particle initiates a biological effect. <b>2013</b> , 305, L712-24	28
152	Mitogen-activated protein kinases and their role in radiation response. <b>2013</b> , 4, 401-8	208
151	Mitogen-activated protein kinase phosphatase 1 disrupts proinflammatory protein synthesis in endotoxin-adapted monocytes. <b>2013</b> , 20, 1396-404	11
150	Localized leptin release may be an important mechanism of curcumin action after acute ischemic injuries. <b>2013</b> , 74, 1044-51	4
149	Threonine affects intestinal function, protein synthesis and gene expression of TOR in Jian carp ( <i>Cyprinus carpio</i> var. Jian). <b>2013</b> , 8, e69974	47
148	Downregulation of Src enhances the cytotoxic effect of temozolomide through AKT in glioma. <b>2013</b> , 29, 1395-8	5
147	Direct association of heat shock protein 20 (HSPB6) with phosphoinositide 3-kinase (PI3K) in human hepatocellular carcinoma: regulation of the PI3K activity. <b>2013</b> , 8, e78440	13
146	Genkwanin inhibits proinflammatory mediators mainly through the regulation of miR-101/MKP-1/MAPK pathway in LPS-activated macrophages. <b>2014</b> , 9, e96741	47
145	Effects of chronic sleep deprivation on the extracellular signal-regulated kinase pathway in the temporomandibular joint of rats. <b>2014</b> , 9, e107544	22
144	Immunopathological effects of malaria pigment or hemozoin and other crystals. <b>2014</b> , 40, 59-78	15
143	Mitogen activated protein kinase kinase kinase 3 (MAP3K3/MEKK3) overexpression is an early event in esophageal tumorigenesis and is a predictor of poor disease prognosis. <b>2014</b> , 14, 2	25
142	H <sub>2</sub> O <sub>2</sub> - or L-DOPA-injured dopaminergic neurons trigger the release of soluble mediators that up-regulate striatal GDNF through different signalling pathways. <b>2014</b> , 1842, 927-34	6
141	Phosphorylated p38, a negative prognostic biomarker, complements TNM staging prognostication in colorectal cancer. <b>2014</b> , 35, 10487-95	21
140	MAPK signaling mediates sinomenine hydrochloride-induced human breast cancer cell death via both reactive oxygen species-dependent and -independent pathways: an in vitro and in vivo study. <b>2014</b> , 5, e1356	52
139	p-Coumaric acid and ursolic acid from <i>Corni fructus</i> attenuated $\beta$ amyloid(25-35)-induced toxicity through regulation of the NF- $\kappa$ B signaling pathway in PC12 cells. <b>2014</b> , 62, 4911-6	77

138	Activation of focal adhesion kinase via M1 muscarinic acetylcholine receptor is required in restitution of intestinal barrier function after epithelial injury. <b>2014</b> , 1842, 635-45	14
137	Different micro-RNA expression profiles distinguish subtypes of neuroendocrine tumors of the lung: results of a profiling study. <b>2014</b> , 27, 1632-40	63
136	Mixtures of recombinant growth factors inhibit the production of pro-inflammatory mediators and cytokines in LPS-stimulated RAW 264.7 cells by inactivating the ERK and NF- $\kappa$ B pathways. <b>2014</b> , 34, 624-31	1
135	Wood Smoke Particle Sequesters Cell Iron to Impact a Biological Effect. <b>2015</b> , 28, 2104-11	29
134	Regulation of the Intestinal Barrier Function by Host Defense Peptides. <b>2015</b> , 2, 57	71
133	Validation of Medicinal Herbs for Skin Aging. <b>2015</b> , 119-147	3
132	Silymarin Inhibits Morphological Changes in LPS-Stimulated Macrophages by Blocking NF- $\kappa$ B Pathway. <b>2015</b> , 19, 211-8	37
131	Mitogen-activated protein kinase phosphatase-1: a critical phosphatase manipulating mitogen-activated protein kinase signaling in cardiovascular disease (review). <b>2015</b> , 35, 1095-102	13
130	Endophilin-1 regulates blood-brain barrier permeability via EGFR-JNK signaling pathway. <b>2015</b> , 1606, 44-53	24
129	Mechanism of glutamine inhibition of cytosolic phospholipase a2 (cPLA2 ): Evidence of physical interaction between glutamine-Induced mitogen-activated protein kinase phosphatase-1 and cPLA2. <b>2015</b> , 180, 571-80	9
128	Inhibition of Protein Kinases AKT and ERK1/2 Reduce the Carotid Body Chemoreceptor Response to Hypoxia in Adult Rats. <i>Advances in Experimental Medicine and Biology</i> , <b>2015</b> , 860, 269-77	3.6 2
127	Particle retention by respiratory epithelial cells is associated with persistent biological effect. <b>2015</b> , 27, 335-41	5
126	Involvement of the MAPK pathway in the pressure-induced synovial metaplasia procedure for the temporomandibular joint. <b>2016</b> , 15,	2
125	Female Infertility Associated to Chlamydia trachomatis Infection. <b>2016</b> ,	1
124	ET-1 Promotes Differentiation of Periodontal Ligament Stem Cells into Osteoblasts through ETR, MAPK, and Wnt/ $\beta$ Catenin Signaling Pathways under Inflammatory Microenvironment. <b>2016</b> , 2016, 8467849	16
123	Glutamine Prevents Late-Phase Anaphylaxis via MAPK Phosphatase 1-Dependent Cytosolic Phospholipase A2 Deactivation. <b>2016</b> , 171, 61-70	3
122	Immunostimulatory effect of spinach aqueous extract on mouse macrophage-like J774.1 cells and mouse primary peritoneal macrophages. <b>2016</b> , 80, 1393-402	6
121	Inhibition of cyclic AMP response element-directed transcription by decoy oligonucleotides enhances tumor-specific radiosensitivity. <b>2016</b> , 469, 363-9	11

120	Different apoptotic effects of saxifragifolin C in human breast cancer cells. <b>2016</b> , 39, 577-589		2
119	Quantitative Proteomics Reveals Membrane Protein-Mediated Hypersaline Sensitivity and Adaptation in Halophilic <i>Nocardopsis xinjiangensis</i> . <b>2016</b> , 15, 68-85		20
118	Identification and characterization of a TAB1 gene involved in innate immunity of amphioxus ( <i>Branchiostoma belcheri</i> ). <b>2016</b> , 575, 294-302		7
117	Induction of proinflammatory cytokine production in intervertebral disc cells by macrophage-like THP-1 cells requires mitogen-activated protein kinase activity. <b>2016</b> , 24, 167-75		11
116	Oxidative Stress and Carcinogenesis: Potential of Phytochemicals in Breast Cancer Therapy. <b>2017</b> , 69, 365-374		27
115	Immunostimulatory effect of dried bonito extract on mouse macrophage cell lines and mouse primary peritoneal macrophages. <i>Cytotechnology</i> , <b>2017</b> , 69, 229-244	2.2	
114	The antioxidant action and mechanism of selenizing <i>Schisandra chinensis</i> polysaccharide in chicken embryo hepatocyte. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 506-514	7.9	27
113	Protective effect of mangiferin on myocardial ischemia-reperfusion injury in streptozotocin-induced diabetic rats: role of AGE-RAGE/MAPK pathways. <b>2017</b> , 7, 42027		44
112	Protein Expression Level of Skin Wrinkle-Related Factors in Hairless Mice Fed Hyaluronic Acid. <b>2017</b> , 20, 420-424		0
111	Cholesterol Enhances Colorectal Cancer Progression via ROS Elevation and MAPK Signaling Pathway Activation. <b>2017</b> , 42, 729-742		95
110	The selective effect of glycyrrhizin and glycyrrhetic acid on topoisomerase III $\alpha$ and apoptosis in combination with etoposide on triple negative breast cancer MDA-MB-231 cells. <b>2017</b> , 809, 87-97		24
109	Effects of <i>Tribulus terrestris</i> on monosodium iodoacetate-induced osteoarthritis pain in rats. <b>2017</b> , 16, 5303-5311		7
108	Toward Neuroproteomics in Biological Psychiatry: A Systems Approach Unravels Okadaic Acid-Induced Alterations in the Neuronal Phosphoproteome. <b>2017</b> , 21, 550-563		6
107	Polysaccharides from <i>Citrus grandis</i> L. Osbeck suppress inflammation and relieve chronic pharyngitis. <b>2017</b> , 113, 365-371		9
106	Molecular Pathways Involved in the Amelioration of Myocardial Injury in Diabetic Rats by Kaempferol. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	44
105	Neuroprotective Effects of <i>Sigesbeckia pubescens</i> Extract on Glutamate-Induced Oxidative Stress in HT22 Cells via Downregulation of MAPK/caspase-3 Pathways. <b>2018</b> , 38, 497-505		11
104	De novo transcriptome sequencing and comprehensive analysis of the heat stress response genes in the basidiomycetes fungus <i>Ganoderma lucidum</i> . <b>2018</b> , 661, 139-151		14
103	Small molecules capable of activating DNA methylation-repressed genes targeted by the p38 mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 7423-7436	5.4	8

102	Crystal structure of the human dual specificity phosphatase 1 catalytic domain. <b>2018</b> , 27, 561-567		6
101	Pterocarpus santalinus L. Regulated Ultraviolet B Irradiation-induced Procollagen Reduction and Matrix Metalloproteinases Expression Through Activation of TGF- $\beta$ /Smad and Inhibition of the MAPK/AP-1 Pathway in Normal Human Dermal Fibroblasts. <b>2018</b> , 94, 139-149		15
100	Cyclophilin A as a target in the treatment of cytomegalovirus infections. <b>2018</b> , 26, 2040206618811413		4
99	Emergent memory in cell signaling: Persistent adaptive dynamics in cascades can arise from the diversity of relaxation time-scales. <b>2018</b> , 8, 13230		7
98	Platelet MEKK3 regulates arterial thrombosis and myocardial infarct expansion in mice. <b>2018</b> , 2, 1439-1448		16
97	l-Glutamine Attenuates DSS-Induced Colitis via Induction of MAPK Phosphatase-1. <b>2018</b> , 10,		17
96	Expanding the Organismal Proteostasis Network: Linking Systemic Stress Signaling with the Innate Immune Response. <b>2019</b> , 44, 927-942		24
95	Role of Dual-Specificity Phosphatase 1 in Glucocorticoid-Driven Anti-inflammatory Responses. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1446	8.4	32
94	ERK/Nrf2 pathway activation by caffeic acid in HepG2 cells alleviates its hepatocellular damage caused by t-butylhydroperoxide-induced oxidative stress. <i>BMC Complementary and Alternative Medicine</i> , <b>2019</b> , 19, 139	4.7	28
93	Multioside, an active ingredient from adonis amurensis, displays anti-cancer activity through autophagosome formation. <i>Phytomedicine</i> , <b>2019</b> , 65, 153114	6.5	3
92	Phosphoprotein Enrichment for Protein Analysis in Motile T-Lymphocytes. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1930, 83-90	1.4	
91	Methionine Attenuates Lipopolysaccharide-Induced Inflammatory Responses via DNA Methylation in Macrophages. <i>ACS Omega</i> , <b>2019</b> , 4, 2331-2336	3.9	10
90	Alliin alleviates acrylamide-induced oxidative stress in BRL-3A cells. <i>Life Sciences</i> , <b>2019</b> , 231, 116550	6.8	22
89	Analyzing biological and molecular characteristics and genomic damage induced by exposure to asbestos. <i>Cancer Management and Research</i> , <b>2019</b> , 11, 4997-5012	3.6	10
88	Recent advances in cyclosporine drug delivery: challenges and opportunities. <i>Drug Delivery and Translational Research</i> , <b>2019</b> , 9, 1067-1081	6.2	21
87	Anti-inflammatory effect of aqueous extract from Kawachi-bankan ( <i>Citrus maxima</i> ) peel in vitro and in vivo. <i>Cytotechnology</i> , <b>2019</b> , 71, 797-807	2.2	1
86	The MAPK Pathway-Based Drug Therapeutic Targets in Pituitary Adenomas. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 330	5.7	32
85	Genome-wide association study on the body temperature changes of a broiler-type strain Taiwan country chickens under acute heat stress. <i>Journal of Thermal Biology</i> , <b>2019</b> , 82, 33-42	2.9	3

84	The emerging role of xanthine oxidase inhibition for suppression of breast cancer cell migration and metastasis associated with hypercholesterolemia. <i>FASEB Journal</i> , <b>2019</b> , 33, 7301-7314	0.9	17
83	<i>Helianthus annuus</i> L. flower prevents UVB-induced photodamage in human dermal fibroblasts by regulating the MAPK/AP-1, NFAT, and Nrf2 signaling pathways. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 601-612	4.7	5
82	T-Cell Motility. <i>Methods in Molecular Biology</i> , <b>2019</b> ,	1.4	
81	Metabolic rewiring and redox alterations in malignant pleural mesothelioma. <i>British Journal of Cancer</i> , <b>2020</b> , 122, 52-61	8.7	8
80	Genomic Variability and Post-translational Protein Processing Enhance the Immune Evasion of and Its Interaction With the Porcine Immune System. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 510943	8.4	2
79	Protection against UVB-Induced Photoaging by via Inhibition of MAPK/AP-1/MMP-1 Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 2905362	6.7	7
78	Activation of c-Jun N-Terminal Kinase, a Potential Therapeutic Target in Autoimmune Arthritis. <i>Cells</i> , <b>2020</b> , 9,	7.9	4
77	Ishophloroglucin A Isolated from Suppresses Melanogenesis Induced by EMSH: In Vitro and In Vivo. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	4
76	Vine Flavone Ameliorates Glutamic Acid-Induced Neurotoxicity via MAPK Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 7509612	6.7	6
75	Air pollutants disrupt iron homeostasis to impact oxidant generation, biological effects, and tissue injury. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 151, 38-55	7.8	10
74	Vesicular stomatitis virus glycoprotein suppresses nuclear factor kappa-B- and mitogen-activated protein kinase-mediated pro-inflammatory responses dependent on sialic acids. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 152, 828-833	7.9	1
73	In vitro and in vivo anti-Listeria effect of Succinoglycan Riclin through regulating MAPK/IL-6 axis and metabolic profiling. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 802-813	7.9	7
72	Repurposing Papaverine as an Antiviral Agent against Influenza Viruses and Paramyxoviruses. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	11
71	Antifibrotic Effects of a Barbituric Acid Derivative on Liver Fibrosis by Blocking the NF- $\kappa$ B Signaling Pathway in Hepatic Stellate Cells. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 388	5.6	6
70	Resistance of osteosarcoma cells to the proapoptotic effects of carfilzomib involves activation of mitogen activated protein kinase pathways. <i>Experimental Physiology</i> , <b>2021</b> , 106, 438-449	2.4	1
69	The optimum threonine requirement in diets of juvenile hybrid grouper ( <i>epinephelus fuscoguttatus</i> ? [ <i>Epinephelus lanceolatus</i> ?]). <i>Aquaculture Nutrition</i> , <b>2021</b> , 27, 829-840	3.2	3
68	Identification of TAPBPL as a novel negative regulator of T-cell function. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13404	12	3
67	The use of mass spectrometry in a proteome-centered multiomics study of human pituitary adenomas. <i>Mass Spectrometry Reviews</i> , <b>2021</b> ,	11	3



66	CRMP5 regulates cell proliferation and development of colorectal cancer via MAPK-dependent signaling. <i>Oncology Letters</i> , <b>2021</b> , 22, 747	2.6	0
65	Protein Kinase-Mediated Decision Between the Life and Death. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1275, 1-33	3.6	3
64	Signal Transduction Pathways in Acute Lung Injury: NF- $\kappa$ B and Ap-1. <b>2001</b> , 1-16		1
63	Regulation of cytokine production by inhibitors of cell signalling. <b>2000</b> , 43-82		1
62	Small molecule regulators of AP-1 and NF- $\kappa$ B. <b>2000</b> , 39-51		1
61	Signal transduction via the B-cell antigen receptor: the role of protein tyrosine kinases and protein tyrosine phosphatases. <i>Current Topics in Microbiology and Immunology</i> , <b>2000</b> , 245, 1-51	3.3	17
60	Intermediary signaling effectors coupling the B-cell receptor to the nucleus. <i>Current Topics in Microbiology and Immunology</i> , <b>2000</b> , 245, 77-134	3.3	24
59	Tau protein kinase I converts normal tau protein into A68-like component of paired helical filaments.. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 10897-10901	5.4	178
58	Responding to Hypoxia: Lessons From a Model Cell Line. <i>Science Signaling</i> , <b>2002</b> , 2002, re11-re11	8.8	4
57	Involvement of mitogen-activated protein kinase pathways in interleukin-8 production by human monocytes and polymorphonuclear cells stimulated with lipopolysaccharide or Mycoplasma fermentans membrane lipoproteins. <i>Infection and Immunity</i> , <b>1999</b> , 67, 688-93	3.7	94
56	Both the polycythemia- and anemia-inducing strains of Friend spleen focus-forming virus induce constitutive activation of the Raf-1/mitogen-activated protein kinase signal transduction pathway. <i>Journal of Virology</i> , <b>1998</b> , 72, 919-25	6.6	33
55	Anti-Inflammatory and Photoaging-Protective Effects of through Inhibition of AP-1 and NF- $\kappa$ B Pathways. <i>The American Journal of Chinese Medicine</i> , <b>2020</b> , 48, 1895-1913	6	3
54	Streptococcus pneumoniae R6x induced p38 MAPK and JNK-mediated caspase-dependent apoptosis in human endothelial cells. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 94, 295-303	7	35
53	Kinase-mediated regulation of common transcription factors accounts for the bone-protective effects of sex steroids. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1651-64	15.9	100
52	Enhancement of MEK/ERK signaling promotes glucocorticoid resistance in CD4+ T cells. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 619-27	15.9	36
51	Kinase-mediated regulation of common transcription factors accounts for the bone-protective effects of sex steroids. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1651-1664	15.9	197
50	Enhancement of MEK/ERK signaling promotes glucocorticoid resistance in CD4+ T cells. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 619-627	15.9	81
49	Constitutive and Interleukin-7/Interleukin-15 Stimulated DNA Binding of Myc, Jun, and Novel Myc-Like Proteins in Cutaneous T-Cell Lymphoma Cells. <i>Blood</i> , <b>1999</b> , 93, 260-267	2.2	1

48	RasGRP links T-cell receptor signaling to Ras. <i>Blood</i> , <b>2000</b> , 95, 3199-3203	2.2	29
47	p38 MAP kinase mediates stress-induced leukotriene synthesis in a human B-lymphocyte cell line. <b>2001</b> , 70, 830-838		12
46	Evidence for MAP kinase activation during mitotic division. <i>Journal of Cell Science</i> , <b>1998</b> , 111, 2519-2527	5.3	30
45	Health Effects of Censored Elongated Mineral Particles: A Critical Review. <b>2019</b> , 192-239		4
44	Reactive oxygen species a double-edged sword for mesothelioma. <i>Oncotarget</i> , <b>2015</b> , 6, 16848-65	3.3	54
43	Gadd45 proteins as critical signal transducers linking NF-kappaB to MAPK cascades. <i>Current Cancer Drug Targets</i> , <b>2009</b> , 9, 915-30	2.8	49
42	Evasion of Host Defence by <i>Leishmania donovani</i> : Subversion of Signaling Pathways. <i>Molecular Biology International</i> , <b>2011</b> , 2011, 343961		31
41	Silibinin Inhibits LPS-Induced Macrophage Activation by Blocking p38 MAPK in RAW 264.7 Cells. <i>Biomolecules and Therapeutics</i> , <b>2013</b> , 21, 258-63	4.2	41
40	Macrophage activation by glycoprotein isolated from <i>Dioscorea batatas</i> . <i>Toxicological Research</i> , <b>2011</b> , 27, 167-72	3.7	3
39	Glutamine deficiency shifts the asthmatic state toward neutrophilic airway inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2021</b> ,	9.3	2
38	Cell signaling and cytokine induction by lipopolysaccharide. <b>2000</b> , 9-42		
37	Costimulatory Blockade as a Therapeutic Regimen for Prolonging Allograft Survival and Inducing Tolerance: An Overview of Recent Research. <b>2001</b> , 127-158		
36	Proposed Mechanisms of Arsenic Toxicity Carcinogenesis. <b>2001</b> ,		
35	Physical Agents in Human Carcinogenesis. <b>2002</b> , 223-232		
34	Arsenic carcinogenicity: Relevance of c-Src activation. <b>2002</b> , 277-282		
33	Ethanol Neurotoxicity. <b>2004</b> , 199-221		
32	Common Signaling in the Neuroendocrine and Immune Systems. <b>2004</b> , 21-50		
31	Effects of Antioxidants on Gene Expression in Endothelial Cells. <i>Oxidative Stress and Disease</i> , <b>2005</b> , 141-180		

30	Cellular Oncogenes and Carcinogenesis. <b>2005</b> , 103-129		
29	Signal Transduction Pathways in Critical Illness and Injury. <b>2009</b> , 1-9		
28	The Role of Autophagy and Apoptosis in the Drug Resistance of Cancer. <b>2009</b> , 53-71		1
27	The Molecular Biology of Sex Steroids in Bone: Similarities and Differences among the Sexes. <b>2010</b> , 269-281		1
26	Emergent memory in cell signaling: Persistent adaptive dynamics in cascades can arise from the diversity of relaxation time-scales.		
25	Deletion of the PDZ-binding kinase (Pbk) gene does not affect male fertility in mice. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 893-902	1.8	0
24	Methanolic extracts of Capparis ecuadorica iltis inhibit the inflammatory response in lipopolysaccharide-stimulated RAW 264.7 macrophage cells. <i>Pharmacognosy Magazine</i> , <b>2020</b> , 16, 644	0.8	1
23	Protective effects of (-)-epigallocatechin gallate on UVA-induced damage in ARPE19 cells. <i>Molecular Vision</i> , <b>2008</b> , 14, 2528-34	2.3	37
22	Regulation of Ras signal transduction during T cell development and activation. <i>American Journal of Clinical and Experimental Immunology</i> , <b>2012</b> , 1, 147-153	1.2	12
21	Nucleocytoplasmic traffic of MAP kinases. <i>Gene Expression</i> , <b>1999</b> , 7, 247-54	3.4	29
20	Discovery of Phenolic Glycoside from Attenuates LPS-Induced Inflammatory Responses by Inhibition of iNOS and COX-2 Expression through Suppression of NF- $\kappa$ B Activation. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
19	ACT001 inhibits pituitary tumor growth by inducing autophagic cell death via MEK4/MAPK pathway.. <i>Acta Pharmacologica Sinica</i> , <b>2022</b> ,	8	0
18	Arsenic carcinogenicity: relevance of c-Src activation. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 234-235, 277-82	4.2	8
17	ETV6 Regulates Hemin-Induced Erythroid Differentiation of K562 Cells through Mediating the Raf/MEK/ERK Pathway.. <i>Biological and Pharmaceutical Bulletin</i> , <b>2022</b> , 45, 250-259	2.3	0
16	Mechanism and Protection of Radiotherapy Induced Sensorineural Hearing Loss for Head and Neck Cancer.. <i>BioMed Research International</i> , <b>2021</b> , 2021, 3548706	3	0
15	Glutamine Inhibits TNF- $\alpha$ -Induced Cytosolic Phospholipase A2 Activation via Upregulation of MAPK Phosphatase-1. <i>Biomedical Science Letters</i> , <b>2021</b> , 27, 223-230	0.3	0
14	Table_1.XLSX. <b>2020</b> ,		
13	Bioactive leads for skin aging: Current scenario and future perspectives. <b>2022</b> , 185-222		

12	Sensitive photoelectrochemical biosensors based on AuNPs/MXenes electrode coupled with light-harvesting UiO-66-NH <sub>2</sub> probes for protein kinase detection. <b>2022</b> , 11, 100204	0
11	The Effect of Trichosanthes Kirilowii Maximowicz Extract and Trichosanthes Kirilowii Maximowicz Cheonghyeol Plus on Anti-Inflammatory Factor Expression in Human Umbilical Vein Endothelial Cells (HUVECs). <b>2022</b> , 43, 514-528	0
10	Oleracone C from Portulaca oleracea Attenuates UVB -induced Changes in Matrix Metalloproteinase and Type I Procollagen Production via MAPK and TGF- $\beta$ /Smad Pathways in Human Keratinocytes.	0
9	Activation of Mitogen-Activated Protein Kinase Pathways by Mycoplasma fermentans Membrane Lipoproteins in Murine Macrophages: Involvement in Cytokine Synthesis. <b>1998</b> , 160, 1330-1339	14
8	Mutational Analysis of CD28-Mediated Costimulation of Jun-N-Terminal Kinase and IL-2 Production. <b>1998</b> , 161, 5366-5372	6
7	Inhibition of MAP Kinase Kinase Prevents Cytokine and Prostaglandin E <sub>2</sub> Production in Lipopolysaccharide-Stimulated Monocytes. <b>1998</b> , 161, 5681-5686	50
6	Cutting Edge: A Role for p21ras/MAP Kinase in TCR-Mediated Activation of LFA-1. <b>1998</b> , 161, 5800-5803	7
5	Extracellular-Regulated Kinase 1/2, Jun N-Terminal Kinase, and c-Jun Are Involved in NF- $\kappa$ B-Dependent IL-6 Expression in Human Monocytes. <b>1999</b> , 162, 4893-4902	20
4	An 11-Amino Acid Sequence in the Cytoplasmic Domain of CD40 Is Sufficient for Activation of c-Jun N-Terminal Kinase, Activation of MAPKAP Kinase-2, Phosphorylation of I $\kappa$ B and Protection of WEHI-231 Cells from Anti-IgM-Induced Growth Arrest. <b>1999</b> , 162, 4720-4730	6
3	Differential Induction of Cytokine Genes and Activation of Mitogen-Activated Protein Kinase Family by Soluble CD40 Ligand and TNF in a Human Follicular Dendritic Cell Line. <b>1999</b> , 163, 631-638	8
2	T Cell Activation Up-Regulates the Expression of the Focal Adhesion Kinase Pyk2: Opposing Roles for the Activation of Protein Kinase C and the Increase in Intracellular Ca <sup>2+</sup> . <b>1999</b> , 163, 6640-6650	4
1	Organismal Roles of Hsp90. <b>2023</b> , 13, 251	1