Matthias Gaestel

List of Publications by Year
in descending order

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254	25,934	11651	7160
papers	citations	70 h-index	153 g-index

266	266	266	36214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	The p38 MAP kinase pathway signals for cytokine-induced mRNA stabilization via MAP kinase-activated protein kinase 2 and an AU-rich region-targeted mechanism. EMBO Journal, 1999, 18, 4969-4980.	7.8	720
4	MAPKAP kinase 2 is essential for LPS-induced TNF-Î± biosynthesis. Nature Cell Biology, 1999, 1, 94-97.	10.3	718
5	Binding of non-native protein to Hsp25 during heat shock creates a reservoir of folding intermediates for reactivation. EMBO Journal, 1997, 16, 221-229.	7.8	674
6	Regulation of Hsp27 Oligomerization, Chaperone Function, and Protective Activity against Oxidative Stress/Tumor Necrosis Factor Î± by Phosphorylation. Journal of Biological Chemistry, 1999, 274, 18947-18956.	3.4	661
7	Identification of MAPKAP kinase 2 as a major enzyme responsible for the phosphorylation of the small mammalian heat shock proteins. FEBS Letters, 1992, 313, 307-313.	2.8	516
8	TNF and Increased Intracellular Iron Alter Macrophage Polarization to a Detrimental M1 Phenotype in the Injured Spinal Cord. Neuron, 2014, 83, 1098-1116.	8.1	504
9	MAPKAP kinases â€" MKs â€" two's company, three's a crowd. Nature Reviews Molecular Cell Biology, 2006, 7, 120-130.	37.0	402
10	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 Regulates Tumor Necrosis Factor mRNA Stability and Translation Mainly by Altering Tristetraprolin Expression, Stability, and Binding to Adenine/Uridine-Rich Element. Molecular and Cellular Biology, 2006, 26, 2399-2407.	2.3	365
11	MK2 Targets AU-rich Elements and Regulates Biosynthesis of Tumor Necrosis Factor and Interleukin-6 Independently at Different Post-transcriptional Levels. Journal of Biological Chemistry, 2002, 277, 3065-3068.	3.4	361
12	Targeting innate immunity protein kinase signalling in inflammation. Nature Reviews Drug Discovery, 2009, 8, 480-499.	46.4	307
13	Genetic Dissection of the Cellular Pathways and Signaling Mechanisms in Modeled Tumor Necrosis Factorâ€"induced Crohn's-like Inflammatory Bowel Disease. Journal of Experimental Medicine, 2002, 196, 1563-1574.	8.5	256
14	Leptomycin B-sensitive nuclear export of MAPKAP kinase 2is regulated by phosphorylation. EMBO Journal, 1998, 17, 3363-3371.	7.8	255
15	Stress-induced phosphorylation of STAT1 at Ser727 requires p38 mitogen-activated protein kinase whereas IFN-gamma uses a different signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13956-13961.	7.1	253
16	Interleukin-10 targets p38 MAPK to modulate ARE-dependent TNF mRNA translation and limit intestinal pathology. EMBO Journal, 2001, 20, 3760-3770.	7.8	222
17	Distinct Cellular Functions of MK2. Molecular and Cellular Biology, 2002, 22, 4827-4835.	2.3	218
18	The Mitogen-Activated Protein Kinase (MAPK)-Activated Protein Kinases MK2 and MK3 Cooperate in Stimulation of Tumor Necrosis Factor Biosynthesis and Stabilization of p38 MAPK. Molecular and Cellular Biology, 2007, 27, 170-181.	2.3	211

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19	CREB is activated by UVC through a p38/HOG-1-dependent protein kinase. EMBO Journal, 1997, 16, 1009-1022.	7.8	204
20	NAMPT is essential for the G-CSFâ€“induced myeloid differentiation via a NAD+â€“sirtuin-1â€“dependent pathway. Nature Medicine, 2009, 15, 151-158.	30.7	195
21	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. EMBO Journal, 2002, 21, 6505-6514.	7.8	191
22	P38 Mitogen Activated Protein Kinase Regulates Endothelial VCAM-1 Expression at the Post-transcriptional Level. Biochemical and Biophysical Research Communications, 1997, 230, 44-48.	2.1	189
23	p38MAPK/MK2-dependent phosphorylation controls cytotoxic RIPK1 signalling in inflammation andÂinfection. Nature Cell Biology, 2017, 19, 1248-1259.	10.3	188
24	The p38/MK2-Driven Exchange between Tristetraprolin and HuR Regulates AUâ€“Rich Elementâ€“Dependent Translation. PLoS Genetics, 2012, 8, e1002977.	3.5	185
25	p38 MAPK/MK2-mediated induction of miR-34c following DNA damage prevents Myc-dependent DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5375-5380.	7.1	159
26	The stress-responsive kinases MAPKAPK2/MAPKAPK3 activate starvation-induced autophagy through Beclin 1 phosphorylation. ELife, 2015, 4, .	6.0	159
27	MAPKAP Kinase 2 Phosphorylates Serum Response Factor in Vitro and in Vivo. Journal of Biological Chemistry, 1999, 274, 14434-14443.	3.4	154
28	Inactivation of Protein-tyrosine Phosphatases as Mechanism of UV-induced Signal Transduction. Journal of Biological Chemistry, 1999, 274, 26378-26386.	3.4	154
29	Analysis of the Interaction of Small Heat Shock Proteins with Unfolding Proteins. Journal of Biological Chemistry, 2003, 278, 18015-18021.	3.4	154
30	The Dynamics of Hsp25 Quaternary Structure. Journal of Biological Chemistry, 1999, 274, 14867-14874.	3.4	151
31	MAPK-activated Protein Kinase 2 Deficiency in Microglia Inhibits Pro-inflammatory Mediator Release and Resultant Neurotoxicity. Journal of Biological Chemistry, 2006, 281, 23658-23667.	3.4	148
32	In the Cellular Garden of Forking Paths: How p38 MAPKs Signal for Downstream Assistance. Biological Chemistry, 2002, 383, 1519-36.	2.5	146
33	MAPKAP Kinase 2-Deficient Mice Are Resistant to Collagen-Induced Arthritis. Journal of Immunology, 2006, 177, 1913-1917.	0.8	145
34	Small Heat-Shock Protein Family: Function in Health and Disease. Annals of the New York Academy of Sciences, 1998, 851, 28-35.	3.8	143
35	The MAPK-activated kinase Rsk controls an acute Toll-like receptor signaling response in dendritic cells and is activated through two distinct pathways. Nature Immunology, 2007, 8, 1227-1235.	14.5	128
36	The RNA-binding protein TTP is a global post-transcriptional regulator of feedback control in inflammation. Nucleic Acids Research, 2016, 44, gkw474.	14.5	128

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37	The MK5/PRAK Kinase and Myc Form a Negative Feedback Loop that Is Disrupted during Colorectal Tumorigenesis. Molecular Cell, 2011, 41, 445-457.	9.7	127
38	Scaffolding by ERK3 regulates MK5 in development. EMBO Journal, 2004, 23, 4770-4779.	7.8	124
39	CXCL12 and C5a trigger cell migration via a PAK1/2-p38Î±ÂMAPK-MAPKAP-K2-HSP27 pathway. Cellular Signalling, 2006, 18, 1897-1905.	3.6	116
40	Cytoskeletal Changes in Hypoxic Pulmonary Endothelial Cells Are Dependent on MAPK-activated Protein Kinase MK2. Journal of Biological Chemistry, 2002, 277, 42596-42602.	3.4	114
41	Heat Shock Protein 27 Is a Substrate of cGMP-dependent Protein Kinase in Intact Human Platelets. Journal of Biological Chemistry, 2001, 276, 7108-7113.	3.4	112
42	Stress-induced Stimulation of Early Growth Response Gene-1 by p38/Stress-activated Protein Kinase 2 Is Mediated by a cAMP-responsive Promoter Element in a MAPKAP Kinase 2-independent Manner. Journal of Biological Chemistry, 1999, 274, 19559-19564.	3.4	109
43	cDNA sequence coding for a translationally controlled human tumor protein. Nucleic Acids Research, 1989, 17, 8367-8367.	14.5	108
44	Phosphorylation of HSF1 by MAPK-Activated Protein Kinase 2 on Serine 121, Inhibits Transcriptional Activity and Promotes HSP90 Binding. Journal of Biological Chemistry, 2006, 281, 782-791.	3.4	108
45	Mouse Hsp25, a small heat shock protein. FEBS Journal, 2000, 267, 1923-1932.	0.2	107
46	Role of p38Î± Map Kinase in Type I Interferon Signaling. Journal of Biological Chemistry, 2004, 279, 970-979.	3.4	106
47	MAPKAP kinases MK2 and MK3 in inflammation: Complex regulation of TNF biosynthesis via expression and phosphorylation of tristetraprolin. Biochemical Pharmacology, 2010, 80, 1915-1920.	4.4	106
48	RIG-I-mediated Activation of p38 MAPK Is Essential for Viral Induction of Interferon and Activation of Dendritic Cells. Journal of Biological Chemistry, 2009, 284, 10774-10782.	3.4	104
49	Molecular cloning, sequencing and expression in Escherichia coli of the 25-kDa growth-related protein of Ehrlich ascites tumor and its homology to mammalian stress proteins. FEBS Journal, 1989, 179, 209-213.	0.2	102
50	Constitutive Activation of Mitogen-activated Protein Kinase-activated Protein Kinase 2 by Mutation of Phosphorylation Sites and an A-helix Motif. Journal of Biological Chemistry, 1995, 270, 27213-27221.	3.4	102
51	Regulation of Suppressor of Cytokine Signaling 3 (SOCS3) mRNA Stability by TNF-Î± Involves Activation of the MKK6/p38MAPK/MK2 Cascade. Journal of Immunology, 2007, 178, 2813-2826.	0.8	101
52	Î±A-crystallin confers cellular thermoresistance. FEBS Letters, 1994, 355, 54-56.	2.8	95
53	Targeting p38 or MK2 Enhances the Anti-Leukemic Activity of Smac-Mimetics. Cancer Cell, 2016, 29, 145-158.	16.8	93
54	Characterization of the Atypical MAPK ERK4 and Its Activation of the MAPK-activated Protein Kinase MK5. Journal of Biological Chemistry, 2006, 281, 35511-35519.	3.4	91

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55	Elimination of Protein Kinase MK5/PRAK Activity by Targeted Homologous Recombination. Molecular and Cellular Biology, 2003, 23, 7732-7741.	2.3	90
56	Cross-regulation of cytokine signalling: pro-inflammatory cytokines restrict IL-6 signalling through receptor internalisation and degradation. Journal of Cell Science, 2010, 123, 947-959.	2.0	90
57	Genetic Deletion of SEPT7 Reveals a Cell Type-Specific Role of Septins in Microtubule Destabilization for the Completion of Cytokinesis. PLoS Genetics, 2014, 10, e1004558.	3.5	90
58	MK2 controls the level of negative feedback in the NF-ÎºB pathway and is essential for vascular permeability and airway inflammation. Journal of Experimental Medicine, 2007, 204, 1637-1652.	8.5	89
59	TLR7 ligand prevents allergen-induced airway hyperresponsiveness and eosinophilia in allergic asthma by a MYD88-dependent and MK2-independent pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L987-L995.	2.9	86
60	Protein Kinases as Small Molecule Inhibitor Targets in Inflammation. Current Medicinal Chemistry, 2007, 14, 2214-2234.	2.4	85
61	Role of heat shock protein 27 in cytoskeletal remodeling of the airway smooth muscle cell. Journal of Applied Physiology, 2004, 96, 1701-1713.	2.5	83
62	Hypo-osmotic cell swelling activates the p38 MAP kinase signalling cascade. FEBS Letters, 1996, 395, 133-136.	2.8	81
63	The p38 MAPK pathway inhibits tristetraprolinâ€directed decay of interleukinâ€10 and proâ€inflammatory mediator mRNAs in murine macrophages. FEBS Letters, 2009, 583, 1933-1938.	2.8	81
64	Signal integration, crosstalk mechanisms and networks in the function of inflammatory cytokines. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 2165-2175.	4.1	81
65	Over-expression of the small heat-shock protein, hsp25, inhibits growth of Ehrlich ascites tumor cells. FEBS Letters, 1992, 309, 297-302.	2.8	80
66	Ubc9 fusionâ€“directed SUMOylation (UFDS): a method to analyze function of protein SUMOylation. Nature Methods, 2007, 4, 245-250.	19.0	80
67	Is MK2 (mitogen-activated protein kinase-activated protein kinase 2) the key for understanding post-transcriptional regulation of gene expression?. Biochemical Society Transactions, 2002, 30, 959-963.	3.4	77
68	Smooth muscle Î±-actin expression and myofibroblast differentiation by TGFÎ² are dependent upon MK2. Journal of Cellular Biochemistry, 2007, 100, 1581-1592.	2.6	76
69	Cross Talk between the Akt and p38Î± Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. Molecular and Cellular Biology, 2013, 33, 4152-4165.	2.3	74
70	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2-Deficient Mice Show Increased Susceptibility to Listeria monocytogenes Infection. Journal of Immunology, 2002, 168, 4667-4673.	0.8	73
71	MAPKAP kinase 2â€deficiency prevents neurons from cell death by reducing neuroinflammation â€“ relevance in a mouse model of Parkinsonâ€™s disease. Journal of Neurochemistry, 2008, 105, 2039-2052.	3.9	72
72	Abnormal Migration Phenotype of Mitogen-Activated Protein Kinase-Activated Protein Kinase 2â^'/â^'Neutrophils in Zigmond Chambers Containing Formyl-Methionyl-Leucyl-Phenylalanine Gradients. Journal of Immunology, 2001, 167, 3953-3961.	0.8	71

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73	Supramolecular structure of the recombinant murine small heat shock protein hsp25. FEBS Letters, 1991, 288, 119-122.	2.8	70
74	Systemic Deficiency of the MAP Kinaseâ€“Activated Protein Kinase 2 Reduces Atherosclerosis in Hypercholesterolemic Mice. Circulation Research, 2007, 101, 1104-1112.	4.5	69
75	The Role of Mammalian MAPK Signaling in Regulation of Cytokine mRNA Stability and Translation. Journal of Interferon and Cytokine Research, 2014, 34, 220-232.	1.2	69
76	Structure and organisation of a murine gene encoding small heat-shock protein Hsp25. Gene, 1993, 128, 279-283.	2.2	68
77	Analysis of the role of Hsp25 phosphorylation reveals the importance of the oligomerization state of this small heat shock protein in its protective function against TNFÎ±- and hydrogen peroxide-induced cell death. , 1998, 69, 436-452.		67
78	Hypoxia alters biophysical properties of endothelial cells via p38 MAPK- and Rho kinase-dependent pathways. American Journal of Physiology - Cell Physiology, 2005, 289, C521-C530.	4.6	65
79	MK2 and MK3 - a pair of isoenzymes?. Frontiers in Bioscience - Landmark, 2008, Volume, 5511.	3.0	65
80	Distinct Functions of the Mitogen-activated Protein Kinase-activated Protein (MAPKAP) Kinases MK2 and MK3. Journal of Biological Chemistry, 2011, 286, 24113-24124.	3.4	65
81	Dihydrotanshinone-I interferes with the RNA-binding activity of HuR affecting its post-transcriptional function. Scientific Reports, 2015, 5, 16478.	3.3	65
82	Damage-induced DNA replication stalling relies on MAPK-activated protein kinase 2 activity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16856-16861.	7.1	64
83	Increased expression of heat-shock protein 27 kDa in Alzheimer disease. NeuroReport, 1993, 5, 14-16.	1.2	63
84	1H NMR spectroscopy reveals that mouse Hsp25 has a flexible C-terminal extension of 18 amino acids. FEBS Letters, 1995, 369, 305-310.	2.8	63
85	Affinity purification of ARE-binding proteins identifies poly(A)-binding protein 1 as a potential substrate in MK2-induced mRNA stabilization. Biochemical and Biophysical Research Communications, 2003, 301, 665-670.	2.1	63
86	The Extracellular Signal-Regulated Kinase 3 (Mitogen-Activated Protein Kinase 6) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td ([MAPK6] Morphology. Molecular and Cellular Biology, 2012, 32, 2467-2478.	2.3	63
87	MAPK-Activated Protein Kinases (MKs): Novel Insights and Challenges. Frontiers in Cell and Developmental Biology, 2015, 3, 88.	3.7	62
88	Bispecific antibody-producing hybrid hybridomas selected by a fluorescence activated cell sorter. Journal of Immunological Methods, 1987, 96, 265-270.	1.4	61
89	Comparison of the homologous carboxy-terminal domain and tail of Î±-crystallin and small heat shock protein. Molecular Biology Reports, 1993, 18, 209-215.	2.3	60
90	Mitogen-Activated Protein Kinaseâ€“Activated Protein Kinase 2 in Angiotensin IIâ€“Induced Inflammation and Hypertension. Hypertension, 2011, 57, 245-254.	2.7	60

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91	Roles for TAB1 in regulating the IL-1-dependent phosphorylation of the TAB3 regulatory subunit and activity of the TAK1 complex. Biochemical Journal, 2008, 409, 711-722.	3.7	59
92	Regulation of vimentin intermediate filaments in endothelial cells by hypoxia. American Journal of Physiology - Cell Physiology, 2010, 299, C363-C373.	4.6	59
93	FRETâ€based detection of different conformations of MK2. EMBO Reports, 2001, 2, 703-708.	4.5	58
94	Molecular cloning and characterization of the primary structure of the alkane hydroxylating cytochrome P-450 from the yeast Candida maltosa. Biochemical and Biophysical Research Communications, 1989, 161, 843-850.	2.1	56
95	MAPKAP kinase 2 is activated by heat shock and TNF-Î±: In vivo phosphorylation of small heat shock protein results from stimulation of the MAP kinase cascade. Journal of Cellular Biochemistry, 1995, 57, 321-330.	2.6	56
96	PMA-induced activation of the p42/44ERK- and p38RK-MAP kinase cascades in HL-60 cells is PKC dependent but not essential for differentiation to the macrophage-like phenotype. , 1997, 173, 310-318.		56
97	The effect of the intersubunit disulfide bond on the structural and functional properties of the small heat shock protein Hsp25. International Journal of Biological Macromolecules, 1998, 22, 163-173.	7.5	55
98	Fluorescenceâ€based quantitative scratch wound healing assay demonstrating the role of MAPKAPKâ€2/3 in fibroblast migration. Cytoskeleton, 2009, 66, 1041-1047.	4.4	55
99	The MK2/3 cascade regulates AMPAR trafficking and cognitive flexibility. Nature Communications, 2014, 5, 4701.	12.8	55
100	Mitogen-activated Protein Kinase-activated Protein (MAPKAP) Kinase 2 Deficiency Protects Brain from Ischemic Injury in Mice. Journal of Biological Chemistry, 2002, 277, 43968-43972.	3.4	54
101	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 (MK2) Contributes to Secondary Damage after Spinal Cord Injury. Journal of Neuroscience, 2010, 30, 13750-13759.	3.6	54
102	Stress induced gene expression: a direct role for MAPKAP kinases in transcriptional activation of immediate early genes. Nucleic Acids Research, 2011, 39, 2503-2518.	14.5	54
103	MK2/3 Are Pivotal for IL-33â€“Induced and Mast Cellâ€“Dependent Leukocyte Recruitment and the Resulting Skin Inflammation. Journal of Immunology, 2016, 197, 3662-3668.	0.8	54
104	Mitogen Activated Protein Kinase Activated Protein Kinase 2 Regulates Actin Polymerization and Vascular Leak in Ventilator Associated Lung Injury. PLoS ONE, 2009, 4, e4600.	2.5	53
105	AATF/Che-1 acts as a phosphorylation-dependent molecular modulator to repress p53-driven apoptosis. EMBO Journal, 2012, 31, 3961-3975.	7.8	53
106	What goes up must come down: molecular basis of MAPKAP kinase 2/3-dependent regulation of the inflammatory response and its inhibition. Biological Chemistry, 2013, 394, 1301-1315.	2.5	53
107	HDM2 phosphorylation by MAPKAP kinase 2. Oncogene, 2005, 24, 1965-1972.	5.9	52
108	Dimer structure as a minimum cooperative subunit of small heat-shock proteins. BBA - Proteins and Proteomics, 1995, 1253, 163-168.	2.1	49

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109	SB202190-Induced Cell Type-Specific Vacuole Formation and Defective Autophagy Do Not Depend on p38 MAP Kinase Inhibition. PLoS ONE, 2011, 6, e23054.	2.5	49
110	The electric potential profile across the erythrocyte membrane. Journal of Theoretical Biology, 1982, 96, 211-231.	1.7	48
111	Activation of p38 Mitogen-Activated Protein Kinase Contributes to the Early Cardiodepressant Action of Tumor Necrosis Factor. Journal of the American College of Cardiology, 2006, 48, 545-555.	2.8	48
112	Lack of MK2 Inhibits Myofibroblast Formation and Exacerbates Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 507-517.	2.9	48
113	TRIF Signaling Stimulates Translation of TNF-Î± mRNA via Prolonged Activation of MK2. Journal of Immunology, 2010, 184, 5842-5848.	0.8	48
114	MAPK-Activated Protein Kinases: Servant or Partner?. Annual Review of Biochemistry, 2022, 91, 505-540.	11.1	48
115	MAPKAP Kinase 2 (MK2)-Dependent and -Independent Models of Blister Formation in Pemphigus Vulgaris. Journal of Investigative Dermatology, 2014, 134, 68-76.	0.7	47
116	Analysis of Properties of Small Heat Shock Protein Hsp25 in MAPK-activated Protein Kinase 2 (MK2)-deficient Cells. Journal of Biological Chemistry, 2006, 281, 26966-26975.	3.4	44
117	GIGYF1/2-Driven Cooperation between ZNF598 and TTP in Posttranscriptional Regulation of Inflammatory Signaling. Cell Reports, 2019, 26, 3511-3521.e4.	6.4	44
118	MAPKAPK-2 Signaling Is Critical for Cutaneous Wound Healing. Journal of Investigative Dermatology, 2010, 130, 278-286.	0.7	43
119	Mitogen-Activated Protein Kinase-Activated Protein Kinases 2 and 3 Regulate SERCA2a Expression and Fiber Type Composition To Modulate Skeletal Muscle and Cardiomyocyte Function. Molecular and Cellular Biology, 2013, 33, 2586-2602.	2.3	43
120	ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. Molecular and Cellular Biology, 2016, 36, 2208-2225.	2.3	43
121	<scp>IL</scp>â€33 regulates cytokine production and neutrophil recruitment via the p38 <scp>MAPK</scp>â€activated kinases <scp>MK</scp>2/3. Immunology and Cell Biology, 2019, 97, 54-71.	2.3	42
122	Sep(t)arate or not â€“ how some cells take septin-independent routes through cytokinesis. Journal of Cell Science, 2015, 128, 1877-1886.	2.0	41
123	p38^{MAPK}/MK2-mediated phosphorylation of RBM7 regulates the human nuclear exosome targeting complex. Rna, 2015, 21, 262-278.	3.5	40
124	Mitogen-Activated Protein Kinaseâ€“Activated Protein Kinase 2 Mediates Apoptosis during Lung Vascular Permeability by Regulating Movement of Cleaved Caspase 3. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 932-941.	2.9	39
125	Phosphorylation is not essential for protection of L929 cells by Hsp25 against H2O2 -mediated disruption actin cytoskeleton, a protection which appears related to the redox change mediated by Hsp25. Cell Stress and Chaperones, 1998, 3, 177.	2.9	39
126	Gene deletion of MK2 inhibits TNF-Î± and IL-6 and protects against cerulein-induced pancreatitis. American Journal of Physiology - Renal Physiology, 2006, 290, G1298-G1306.	3.4	38

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127	The Role of Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 in the p38/TNF-Î± Pathway of Systemic and Cutaneous Inflammation. Journal of Investigative Dermatology, 2010, 130, 481-491.	0.7	38
128	The MAP kinase-activated protein kinase 2 contains a proline-rich SH3-binding domain. FEBS Letters, 1993, 336, 143-147.	2.8	37
129	MK2â€"TNFâ€"Signaling Comes Full Circle. Trends in Biochemical Sciences, 2018, 43, 170-179.	7.5	37
130	Analysis of Chaperone Properties of Small Hsp's. , 2000, 99, 421-429.		36
131	Reduced Oxazolone-Induced Skin Inflammation in MAPKAP Kinase 2 Knockout Mice. Journal of Investigative Dermatology, 2009, 129, 891-898.	0.7	36
132	[28] Purification and characterization of small heat shock proteins. Methods in Enzymology, 1998, 290, 339-349.	1.0	35
133	A requirement of MAPKAPK2 in the uropod localization of PTEN during FMLP-induced neutrophil chemotaxis. Biochemical and Biophysical Research Communications, 2004, 316, 666-672.	2.1	35
134	Specificity of signaling from MAPKs to MAPKAPKs: Kinases' Tango Nuevo. Frontiers in Bioscience - Landmark, 2008, Volume, 6050.	3.0	35
135	MK2 regulates the early stages of skin tumor promotion. Carcinogenesis, 2009, 30, 2100-2108.	2.8	35
136	The p38 MAPK Regulates IL-24 Expression by Stabilization of the 3â€² UTR of IL-24 mRNA. PLoS ONE, 2010, 5, e8671.	2.5	35
137	MAPK-activated Protein Kinase 2 Differentially Regulates Plasmodium falciparum Glycosylphosphatidylinositol-induced Production of Tumor Necrosis Factor-Î± and Interleukin-12 in Macrophages. Journal of Biological Chemistry, 2009, 284, 15750-15761.	3.4	34
138	Activation of Mitogen-activated Protein Kinase Kinase (MKK) 3 and MKK6 by Type I Interferons. Journal of Biological Chemistry, 2005, 280, 10001-10010.	3.4	33
139	Label-Free Protein-RNA Interactome Analysis Identifies Khsrp Signaling Downstream of the p38/Mk2 Kinase Complex as a Critical Modulator of Cell Cycle Progression. PLoS ONE, 2015, 10, e0125745.	2.5	32
140	Blockade of <scp>MK</scp>2 is protective in inflammationâ€ assocIated colorectal cancer development. International Journal of Cancer, 2016, 138, 770-775.	5.1	32
141	EMC10 (Endoplasmic Reticulum Membrane Protein Complex Subunit 10) Is a Bone Marrowâ€"Derived Angiogenic Growth Factor Promoting Tissue Repair After Myocardial Infarction. Circulation, 2017, 136, 1809-1823.	1.6	32
142	MAPKAPK2-mediated LSP1 phosphorylation and FMLP-induced neutrophil polarization. Biochemical and Biophysical Research Communications, 2007, 358, 170-175.	2.1	31
143	The stress-activated protein kinases p38Î±/Î² and JNK1/2 cooperate with Chk1 to inhibit mitotic entry upon DNA replication arrest. Cell Cycle, 2012, 11, 3627-3637.	2.6	31
144	Treatment of Obese Insulin-Resistant Mice With an Allosteric MAPKAPK2/3 Inhibitor Lowers Blood Glucose and Improves Insulin Sensitivity. Diabetes, 2015, 64, 3396-3405.	0.6	31

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145	MAP kinaseâ€activated protein kinases 2 and 3 are required for influenza A virus propagation and act via inhibition of PKR. FASEB Journal, 2010, 24, 4068-4077.	0.5	30
146	LPS-induced production of TNF-Î± and IL-6 in mast cells is dependent on p38 but independent of TTP. Cellular Signalling, 2013, 25, 1339-1347.	3.6	30
147	Modulation of HSP27 alters hypoxiaâ€induced endothelial permeability and related signaling pathways. Journal of Cellular Physiology, 2009, 220, 600-610.	4.1	29
148	Biological monitoring of nonâ€thermal effects of mobile phone radiation: recent approaches and challenges. Biological Reviews, 2010, 85, 489-500.	10.4	29
149	MK2 Deletion in Mice Prevents Diabetes-Induced Perturbations in Lipid Metabolism and Cardiac Dysfunction. Diabetes, 2016, 65, 381-392.	0.6	29
150	Thiol/disulfide exchange between small heat shock protein 25 and glutathione. BBA - Proteins and Proteomics, 1998, 1388, 123-132.	2.1	28
151	Ubc9 fusion-directed SUMOylation identifies constitutive and inducible SUMOylation. Nucleic Acids Research, 2007, 35, e109-e109.	14.5	28
152	MAPKAP kinase MK2 maintains self-renewal capacity of haematopoietic stem cells. EMBO Journal, 2009, 28, 1392-1406.	7.8	28
153	p38 MAP Kinase and MAPKAP Kinases MK2/3 Cooperatively Phosphorylate Epithelial Keratins*. Journal of Biological Chemistry, 2010, 285, 33242-33251.	3.4	28
154	Anthrax lethal toxin disrupts the endothelial permeability barrier through blocking p38 signaling. Journal of Cellular Physiology, 2012, 227, 1438-1445.	4.1	28
155	The p38-MK2/3 Module Is Critical for IL-33â€“Induced Signaling and Cytokine Production in Dendritic Cells. Journal of Immunology, 2018, 200, 1198-1206.	0.8	28
156	The Role of TTP Phosphorylation in the Regulation of Inflammatory Cytokine Production by MK2/3. Journal of Immunology, 2019, 203, 2291-2300.	0.8	28
157	p38 MAPK signalling regulates cytokine production in IL-33 stimulated Type 2 Innate Lymphoid cells. Scientific Reports, 2020, 10, 3479.	3.3	28
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