Sylvain Meloche

List of Publications by Year
in descending order

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81 papers	7,225 citations	71061 41 h-index	82499 72 g-index
83 all docs	83 docs citations	83 times ranked	10293 citing authors

#	Article	IF	Citations
1	Signaling by the tyrosine kinase Yes promotes liver cancer development. Science Signaling, 2022, 15, eabj4743.	1.6	7
2	ERK3â€MK5 signaling regulates myogenic differentiation and muscle regeneration by promoting FoxO3 degradation. Journal of Cellular Physiology, 2022, 237, 2271-2287.	2.0	3
3	Development of a high-throughput assay to identify inhibitors of the ubiquitin-conjugating enzyme UBCH10. SLAS Discovery, 2022, , .	1.4	2
4	Cover Image, Volume 237, Number 4, April 2022. Journal of Cellular Physiology, 2022, 237, .	2.0	0
5	YES, a novel therapeutic target in hepatocellular carcinoma. Molecular and Cellular Oncology, 2022, 9, 2069993.	0.3	1
6	Loss of interleukin-17 receptor D promotes chronic inflammation-associated tumorigenesis. Oncogene, 2021, 40, 452-464.	2.6	18
7	Interleukin-17 Receptor D in Physiology, Inflammation and Cancer. Frontiers in Oncology, 2021, 11, 656004.	1.3	11
8	Regulation of Mitogen-Activated Protein Kinase Signaling Pathways by the Ubiquitin-Proteasome System and Its Pharmacological Potential. Pharmacological Reviews, 2021, 73, 1434-1467.	7.1	12
9	Copper bioavailability is a KRAS-specific vulnerability in colorectal cancer. Nature Communications, 2020, 11, 3701.	5.8	128
10	Reevaluation of the Role of Extracellular Signal-Regulated Kinase 3 in Perinatal Survival and Postnatal Growth Using New Genetically Engineered Mouse Models. Molecular and Cellular Biology, 2019, 39, .	1.1	13
11	A simple approach for multi-targeted shRNA-mediated inducible knockdowns using Sleeping Beauty vectors. PLoS ONE, 2018, 13, e0205585.	1.1	1
12	Erk3 and Erk4. , 2018, , 1632-1638.		5
13	Mitogen-Activated Protein Kinases. , 2018, , 3138-3141.		1
14	Deubiquitinating Enzyme USP20 Regulates Extracellular Signal-Regulated Kinase 3 Stability and Biological Activity. Molecular and Cellular Biology, 2017, 37, .	1.1	17
15	Visualization of Endogenous ERK1/2 in Cells with a Bioorthogonal Covalent Probe. Bioconjugate Chemistry, 2017, 28, 1677-1683.	1.8	10
16	Isolation of Mouse Embryonic Stem Cell Lines in the Study of ERK1/2 MAP Kinase Signaling. Methods in Molecular Biology, 2017, 1487, 243-253.	0.4	1
17	Loss of Extracellular Signal-Regulated Kinase 1/2 in the Retinal Pigment Epithelium Leads to RPE65 Decrease and Retinal Degeneration. Molecular and Cellular Biology, 2017, 37, .	1.1	11
18	Redundancy in the World of MAP Kinases: All for One. Frontiers in Cell and Developmental Biology, 2016, 4, 67.	1.8	45

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19	Deregulated ERK1/2 MAP kinase signaling promotes aneuploidy by a Fbxw7Î²-Aurora A pathway. Cell Cycle, 2016, 15, 1631-1642.	1.3	5
20	Chemo-genomic interrogation of CEBPA mutated AML reveals recurrent CSF3R mutations and subgroup sensitivity to JAK inhibitors. Blood, 2016, 127, 3054-3061.	0.6	70
21	Erk3 and Erk4. , 2016, , 1-6.		0
22	Mitogen-Activated Protein Kinases. , 2016, , 1-4.		0
23	E4F1 Is a Master Regulator of CHK1-Mediated Functions. Cell Reports, 2015, 11, 210-219.	2.9	19
24	The atypical <scp>MAPK ERK</scp>3 controls positive selection of thymocytes. Immunology, 2015, 145, 161-169.	2.0	11
25	Functional Redundancy of ERK1 and ERK2 MAP Kinases during Development. Cell Reports, 2015, 12, 913-921.	2.9	86
26	The transcriptomic landscape and directed chemical interrogation of MLL-rearranged acute myeloid leukemias. Nature Genetics, 2015, 47, 1030-1037.	9.4	132
27	The Catalytic Activity of the Mitogen-Activated Protein Kinase Extracellular Signal-Regulated Kinase 3 Is Required To Sustain CD4⁺ CD8⁺ Thymocyte Survival. Molecular and Cellular Biology, 2014, 34, 3374-3387.	1.1	17
28	Towards the development of chromone-based MEK1/2 modulators. European Journal of Medicinal Chemistry, 2014, 85, 127-138.	2.6	12
29	ERKs in Cancer: Friends or Foes?. Cancer Research, 2014, 74, 412-419.	0.4	190
30	Administration of antenatal glucocorticoids and postnatal surfactant ameliorates respiratory distress syndromeâ€“associated neonatal lethality in Erk3â^'/â^' mouse pups. Pediatric Research, 2014, 76, 24-32.	1.1	13
31	The Non-Classical MAP Kinase ERK3 Controls T Cell Activation. PLoS ONE, 2014, 9, e86681.	1.1	17
32	RSK regulates activated BRAF signalling to mTORC1 and promotes melanoma growth. Oncogene, 2013, 32, 2917-2926.	2.6	56
33	Sef Downregulation by Ras Causes MEK1/2 to Become Aberrantly Nuclear Localized Leading to Polyploidy and Neoplastic Transformation. Cancer Research, 2012, 72, 626-635.	0.4	37
34	The Extracellular Signal-Regulated Kinase 3 (Mitogen-Activated Protein Kinase 6) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td ([MAPK6] Morphology. Molecular and Cellular Biology, 2012, 32, 2467-2478.	1.1	63
35	F-Box Proteins Elongate Translation During Stress Recovery. Science Signaling, 2012, 5, pe25.	1.6	11
36	An Allosteric Inhibitor of the Human Cdc34âUbiquitin-Conjugating Enzyme. Cell, 2011, 145, 1075-1087.	13.5	203

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37	Extracellular Signal-Regulated Kinases 1 and 2 Regulate the Balance Between Eccentric and Concentric Cardiac Growth. Circulation Research, 2011, 108, 176-183.	2.0	217
38	Activation Loop Phosphorylation of ERK3/ERK4 by Group I p21-activated Kinases (PAKs) Defines a Novel PAK-ERK3/4-MAPK-activated Protein Kinase 5 Signaling Pathway. Journal of Biological Chemistry, 2011, 286, 6470-6478.	1.6	65
39	C-terminal domain phosphorylation of ERK3 controlled by Cdk1 and Cdc14 regulates its stability in mitosis. Biochemical Journal, 2010, 428, 103-111.	1.7	33
40	From basic research to clinical development of MEK1/2 inhibitors for cancer therapy. Journal of Hematology and Oncology, 2010, 3, 8.	6.9	206
41	Targeted Inactivation of Mapk4 in Mice Reveals Specific Nonredundant Functions of Erk3/Erk4 Subfamily Mitogen-Activated Protein Kinases. Molecular and Cellular Biology, 2010, 30, 5752-5763.	1.1	30
42	Phosphorylation of Ser72 does not regulate the ubiquitin ligase activity and subcellular localization of Skp2. Cell Cycle, 2010, 9, 975-979.	1.3	20
43	Genetic Demonstration of a Redundant Role of Extracellular Signal-Regulated Kinase 1 (ERK1) and ERK2 Mitogen-Activated Protein Kinases in Promoting Fibroblast Proliferation. Molecular and Cellular Biology, 2010, 30, 2918-2932.	1.1	79
44	The ERK1/2 MAP Kinase Signaling Pathway in Tumor Progression and Metastasis. Cancer Metastasis - Biology and Treatment, 2010, , 25-40.	0.1	0
45	Loss of Erk3 function in mice leads to intrauterine growth restriction, pulmonary immaturity, and neonatal lethality. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16710-16715.	3.3	73
46	Activation loop phosphorylation of the atypical MAP kinases ERK3 and ERK4 is required for binding, activation and cytoplasmic relocalization of MK5. Journal of Cellular Physiology, 2008, 217, 778-788.	2.0	70
47	The IKK-related kinases: from innate immunity to oncogenesis. Cell Research, 2008, 18, 889-899.	5.7	165
48	Phosphorylation of Skp2 regulated by CDK2 and Cdc14B protects it from degradation by APCCdh1 in G1 phase. EMBO Journal, 2008, 27, 679-691.	3.5	89
49	Activation of MEK1 or MEK2 isoform is sufficient to fully transform intestinal epithelial cells and induce the formation of metastatic tumors. BMC Cancer, 2008, 8, 337.	1.1	56
50	Genetic inhibition of cardiac ERK1/2 promotes stress-induced apoptosis and heart failure but has no effect on hypertrophy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14074-14079.	3.3	219
51	FGF stimulation of the Erk1/2 signalling cascade triggers transition of pluripotent embryonic stem cells from self-renewal to lineage commitment. Development (Cambridge), 2007, 134, 2895-2902.	1.2	695
52	The ERK1/2 mitogen-activated protein kinase pathway as a master regulator of the G1- to S-phase transition. Oncogene, 2007, 26, 3227-3239.	2.6	951
53	Atypical mitogen-activated protein kinases: Structure, regulation and functions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1376-1387.	1.9	238
54	E4F1: a novel candidate factor for mediating BMI1 function in primitive hematopoietic cells. Genes and Development, 2006, 20, 2110-2120.	2.7	48

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55	Regulation of MAPK-activated Protein Kinase 5 Activity and Subcellular Localization by the Atypical MAPK ERK4/MAPK4. Journal of Biological Chemistry, 2006, 281, 35499-35510.	1.6	77
56	Cyclic AMP induces morphological changes of vascular smooth muscle cells by inhibiting a rac-dependent signaling pathway. Journal of Cellular Physiology, 2005, 204, 412-422.	2.0	44
57	p107 inhibits G1 to S phase progression by down-regulating expression of the F-box protein Skp2. Journal of Cell Biology, 2005, 168, 55-66.	2.3	39
58	Dual Regulation of MMP-2 Expression by the Type 1 Insulin-like Growth Factor Receptor. Journal of Biological Chemistry, 2004, 279, 19683-19690.	1.6	139
59	N-Terminal Ubiquitination of Extracellular Signal-Regulated Kinase 3 and p21 Directs Their Degradation by the Proteasome. Molecular and Cellular Biology, 2004, 24, 6140-6150.	1.1	121
60	MEK1-ERK2 Signaling Pathway Protects Myocardium From Ischemic Injury In Vivo. Circulation, 2004, 109, 1938-1941.	1.6	203
61	Activation of MK5/PRAK by the atypical MAP kinase ERK3 defines a novel signal transduction pathway. EMBO Journal, 2004, 23, 4780-4791.	3.5	136
62	Erk2 signaling and early embryo stem cell self-renewal. Cell Cycle, 2004, 3, 241-3.	1.3	4
63	An essential function of the mitogenâ€activated protein kinase Erk2 in mouse trophoblast development. EMBO Reports, 2003, 4, 964-968.	2.0	335
64	Rho Family GTPases Are Required for Activation of Jak/STAT Signaling by G Protein-Coupled Receptors. Molecular and Cellular Biology, 2003, 23, 1316-1333.	1.1	140
65	Rapid Turnover of Extracellular Signal-Regulated Kinase 3 by the Ubiquitin-Proteasome Pathway Defines a Novel Paradigm of Mitogen-Activated Protein Kinase Regulation during Cellular Differentiation. Molecular and Cellular Biology, 2003, 23, 4542-4558.	1.1	129
66	Nuclear Export of ERK3 by a CRM1-dependent Mechanism Regulates Its Inhibitory Action on Cell Cycle Progression. Journal of Biological Chemistry, 2003, 278, 42615-42624.	1.6	70
67	The Protein Kinase ERK3 Is Encoded by a Single Functional Gene: Genomic Analysis of the ERK3 Gene Family. Genomics, 2002, 80, 673-680.	1.3	20
68	Dual-tag prokaryotic vectors for enhanced expression of full-length recombinant proteins. Analytical Biochemistry, 2002, 310, 219-222.	1.1	16
69	Tissue-specific GATA factors are transcriptional effectors of the small GTPase RhoA. Genes and Development, 2001, 15, 2702-2719.	2.7	206
70	Cloning and characterization of mouse extracellular-signal-regulated protein kinase 3 as a unique gene product of 100ÂkDa. Biochemical Journal, 2000, 346, 169.	1.7	12
71	Cloning and characterization of mouse extracellular-signal-regulated protein kinase 3 as a unique gene product of 100ÂkDa. Biochemical Journal, 2000, 346, 169-175.	1.7	43
72	Heregulin selectively upregulates vascular endothelial growth factor secretion in cancer cells and stimulates angiogenesis. Oncogene, 2000, 19, 3460-3469.	2.6	224

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73	Title is missing!. Molecular and Cellular Biochemistry, 2000, 212, 99-109.	1.4	10
74	Differential Regulation of P27Kip1 Expression by Mitogenic and Hypertrophic Factors. Journal of Cell Biology, 2000, 148, 543-556.	2.3	126
75	Repression of mitogen-activated protein kinases ERK1/ERK2 activity by a protein tyrosine phosphatase in rat fibroblasts transformed by upstream oncoproteins. , 1998, 174, 35-47.		28
76	Roles of the Candida albicans Mitogen-Activated Protein Kinase Homolog, Cek1p, in Hyphal Development and Systemic Candidiasis. Infection and Immunity, 1998, 66, 2713-2721.	1.0	313
77	Cyclic AMP-mediated Inhibition of Angiotensin II-induced Protein Synthesis Is Associated with Suppression of Tyrosine Phosphorylation Signaling in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 26879-26886.	1.6	48
78	Derepressed Hyphal Growth and Reduced Virulence in a VH1 Family-related Protein Phosphatase Mutant of the Human PathogenCandida albicans. Molecular Biology of the Cell, 1997, 8, 2539-2551.	0.9	105
79	Essential role of calcium in the regulation of MAP kinase phosphatase-1 expression. Oncogene, 1997, 15, 717-725.	2.6	58
80	Cell cycle reentry of mammalian fibroblasts is accompanied by the sustained activation of P44mapk and P42mapk isoforms in the G1 phase and their inactivation at the G1/s transition. Journal of Cellular Physiology, 1995, 163, 577-588.	2.0	85
81	Erk4. The AFCS-nature Molecule Pages, 0, , .	0.2	12