

Francois Houle

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26
papers

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26
ext. papers

3,585
ext. citations

6
avg, IF

4.64
L-index

#	Paper	IF	Citations
26	p38 MAP kinase activation by vascular endothelial growth factor mediates actin reorganization and cell migration in human endothelial cells. <i>Oncogene</i> , 1997 , 15, 2169-77	9.2	711
25	Oxidative stress-induced actin reorganization mediated by the p38 mitogen-activated protein kinase/heat shock protein 27 pathway in vascular endothelial cells. <i>Circulation Research</i> , 1997 , 80, 383-92	15.7	452
24	SAPK2/p38-dependent F-actin reorganization regulates early membrane blebbing during stress-induced apoptosis. <i>Journal of Cell Biology</i> , 1998 , 143, 1361-73	7.3	257
23	Vascular endothelial growth factor (VEGF)-driven actin-based motility is mediated by VEGFR2 and requires concerted activation of stress-activated protein kinase 2 (SAPK2/p38) and geldanamycin-sensitive phosphorylation of focal adhesion kinase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10661-72	5.4	241
22	IL-17 promotes p38 MAPK-dependent endothelial activation enhancing neutrophil recruitment to sites of inflammation. <i>Journal of Immunology</i> , 2010 , 184, 4531-7	5.3	190
21	Phosphorylation of tyrosine 1214 on VEGFR2 is required for VEGF-induced activation of Cdc42 upstream of SAPK2/p38. <i>Oncogene</i> , 2004 , 23, 434-45	9.2	168
20	Characterization of 45-kDa/54-kDa HSP27 kinase, a stress-sensitive kinase which may activate the phosphorylation-dependent protective function of mammalian 27-kDa heat-shock protein HSP27. <i>FEBS Journal</i> , 1995 , 227, 416-27		161
19	Phosphorylation of Tyr1214 within VEGFR-2 triggers the recruitment of Nck and activation of Fyn leading to SAPK2/p38 activation and endothelial cell migration in response to VEGF. <i>Journal of Biological Chemistry</i> , 2006 , 281, 34009-20	5.4	114
18	Regulation of vascular endothelial growth factor receptor 2-mediated phosphorylation of focal adhesion kinase by heat shock protein 90 and Src kinase activities. <i>Journal of Biological Chemistry</i> , 2004 , 279, 39175-85	5.4	114
17	Integrating the VEGF signals leading to actin-based motility in vascular endothelial cells. <i>Trends in Cardiovascular Medicine</i> , 2000 , 10, 321-7	6.9	106
16	Extracellular signal-regulated kinase mediates phosphorylation of tropomyosin-1 to promote cytoskeleton remodeling in response to oxidative stress: impact on membrane blebbing. <i>Molecular Biology of the Cell</i> , 2003 , 14, 1418-32	3.5	101
15	p38 MAP kinase pathway regulates angiotensin II-induced contraction of rat vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H741-51	5.2	93
14	Integrin alphavbeta3, requirement for VEGFR2-mediated activation of SAPK2/p38 and for Hsp90-dependent phosphorylation of focal adhesion kinase in endothelial cells activated by VEGF. <i>Cell Stress and Chaperones</i> , 2003 , 8, 37-52	4	92
13	Transendothelial migration of colon carcinoma cells requires expression of E-selectin by endothelial cells and activation of stress-activated protein kinase-2 (SAPK2/p38) in the tumor cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 33762-72	5.4	84
12	Death receptor-3, a new E-Selectin counter-receptor that confers migration and survival advantages to colon carcinoma cells by triggering p38 and ERK MAPK activation. <i>Cancer Research</i> , 2006 , 66, 9117-24	10.1	78
11	DAP kinase mediates the phosphorylation of tropomyosin-1 downstream of the ERK pathway, which regulates the formation of stress fibers in response to oxidative stress. <i>Journal of Cell Science</i> , 2007 , 120, 3666-77	5.3	70
10	Annexin-1-mediated endothelial cell migration and angiogenesis are regulated by vascular endothelial growth factor (VEGF)-induced inhibition of miR-196a expression. <i>Journal of Biological Chemistry</i> , 2012 , 287, 30541-51	5.4	54

9	Regulation of the metastatic process by E-selectin and stress-activated protein kinase-2/p38. <i>Annals of the New York Academy of Sciences</i> , 2002 , 973, 562-72	6.5	53
8	Phosphorylation of focal adhesion kinase (FAK) on Ser732 is induced by rho-dependent kinase and is essential for proline-rich tyrosine kinase-2-mediated phosphorylation of FAK on Tyr407 in response to vascular endothelial growth factor. <i>Molecular Biology of the Cell</i> , 2006 , 17, 3508-20	3.5	49
7	miR-20a represses endothelial cell migration by targeting MKK3 and inhibiting p38 MAP kinase activation in response to VEGF. <i>Angiogenesis</i> , 2012 , 15, 593-608	10.6	45
6	Adhesion of HT-29 colon carcinoma cells to endothelial cells requires sequential events involving E-selectin and integrin beta4. <i>Clinical and Experimental Metastasis</i> , 2004 , 21, 257-64	4.7	44
5	Dysregulation of the endothelial cellular response to oxidative stress in cancer. <i>Molecular Carcinogenesis</i> , 2006 , 45, 362-7	5	37
4	Regulation of vascular endothelial growth factor-induced endothelial cell migration by LIM kinase 1-mediated phosphorylation of annexin 1. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8013-21	5.4	35
3	Survival advantages conferred to colon cancer cells by E-selectin-induced activation of the PI3K-NFB survival axis downstream of Death receptor-3. <i>BMC Cancer</i> , 2011 , 11, 285	4.8	27
2	Regulation of endothelial permeability and transendothelial migration of cancer cells by tropomyosin-1 phosphorylation. <i>Vascular Cell</i> , 2012 , 4, 18	1	22
1	Localized translation regulates cell adhesion and transendothelial migration. <i>Journal of Cell Science</i> , 2016 , 129, 4105-4117	5.3	10