

Ssang-Taek Lim

List of Publications by Citations

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49
papers

3,019
citations

30
h-index

54
g-index

57
ext. papers

3,415
ext. citations

7.3
avg, IF

4.88
L-index

#	Paper	IF	Citations
49	Nuclear FAK promotes cell proliferation and survival through FERM-enhanced p53 degradation. <i>Molecular Cell</i> , 2008 , 29, 9-22	17.6	352
48	VEGF-induced vascular permeability is mediated by FAK. <i>Developmental Cell</i> , 2012 , 22, 146-57	10.2	237
47	PyK2 and FAK connections to p190Rho guanine nucleotide exchange factor regulate RhoA activity, focal adhesion formation, and cell motility. <i>Journal of Cell Biology</i> , 2008 , 180, 187-203	7.3	176
46	Syndecan-4 proteoglycan cytoplasmic domain and phosphatidylinositol 4,5-bisphosphate coordinately regulate protein kinase C activity. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10624-9	5.4	160
45	FAK promotes recruitment of talin to nascent adhesions to control cell motility. <i>Journal of Cell Biology</i> , 2012 , 196, 223-32	7.3	155
44	Intrinsic FAK activity and Y925 phosphorylation facilitate an angiogenic switch in tumors. <i>Oncogene</i> , 2006 , 25, 5969-84	9.2	132
43	PND-1186 FAK inhibitor selectively promotes tumor cell apoptosis in three-dimensional environments. <i>Cancer Biology and Therapy</i> , 2010 , 9, 764-77	4.6	119
42	Compensatory role for Pyk2 during angiogenesis in adult mice lacking endothelial cell FAK. <i>Journal of Cell Biology</i> , 2008 , 181, 43-50	7.3	118
41	Understanding the roles of FAK in cancer: inhibitors, genetic models, and new insights. <i>Journal of Histochemistry and Cytochemistry</i> , 2015 , 63, 114-28	3.4	115
40	A FAK-p120RasGAP-p190RhoGAP complex regulates polarity in migrating cells. <i>Journal of Cell Science</i> , 2009 , 122, 1852-62	5.3	112
39	FERM control of FAK function: implications for cancer therapy. <i>Cell Cycle</i> , 2008 , 7, 2306-14	4.7	106
38	Direct binding of syndecan-4 cytoplasmic domain to the catalytic domain of protein kinase C alpha (PKC alpha) increases focal adhesion localization of PKC alpha. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13795-802	5.4	96
37	Intrinsic focal adhesion kinase activity controls orthotopic breast carcinoma metastasis via the regulation of urokinase plasminogen activator expression in a syngeneic tumor model. <i>Oncogene</i> , 2006 , 25, 4429-40	9.2	84
36	Knock-in mutation reveals an essential role for focal adhesion kinase activity in blood vessel morphogenesis and cell motility-polarity but not cell proliferation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21526-36	5.4	81
35	Distinct FAK-Src activation events promote alpha5beta1 and alpha4beta1 integrin-stimulated neuroblastoma cell motility. <i>Oncogene</i> , 2008 , 27, 1439-48	9.2	81
34	Nuclear-localized focal adhesion kinase regulates inflammatory VCAM-1 expression. <i>Journal of Cell Biology</i> , 2012 , 197, 907-19	7.3	71
33	Integrin alpha4beta1 promotes focal adhesion kinase-independent cell motility via alpha4 cytoplasmic domain-specific activation of c-Src. <i>Molecular and Cellular Biology</i> , 2005 , 25, 9700-12	4.8	71

32	Nuclear FAK: a new mode of gene regulation from cellular adhesions. <i>Molecules and Cells</i> , 2013 , 36, 1-6	3.5	68
31	Regulation of mitochondrial functions by protein phosphorylation and dephosphorylation. <i>Cell and Bioscience</i> , 2016 , 6, 25	9.8	60
30	Pyk2 inhibition of p53 as an adaptive and intrinsic mechanism facilitating cell proliferation and survival. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1743-53	5.4	54
29	Regulation of inositol phospholipid binding and signaling through syndecan-4. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49296-303	5.4	46
28	De Novo Mutations in SON Disrupt RNA Splicing of Genes Essential for Brain Development and Metabolism, Causing an Intellectual-Disability Syndrome. <i>American Journal of Human Genetics</i> , 2016 , 99, 711-719	11	44
27	p190RhoGEF (Rgnef) promotes colon carcinoma tumor progression via interaction with focal adhesion kinase. <i>Cancer Research</i> , 2011 , 71, 360-70	10.1	44
26	Tumor necrosis factor-alpha stimulates focal adhesion kinase activity required for mitogen-activated kinase-associated interleukin 6 expression. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17450-9	5.4	41
25	Targeting focal adhesion kinase in cancer cells and the tumor microenvironment. <i>Experimental and Molecular Medicine</i> , 2020 , 52, 877-886	12.8	40
24	FAK nuclear export signal sequences. <i>FEBS Letters</i> , 2008 , 582, 2402-6	3.8	40
23	Calmodulin binding to the Fas death domain. Regulation by Fas activation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5661-6	5.4	40
22	Tetraspan TM4SF5-dependent direct activation of FAK and metastatic potential of hepatocarcinoma cells. <i>Journal of Cell Science</i> , 2012 , 125, 5960-73	5.3	35
21	SON and Its Alternatively Spliced Isoforms Control MLL Complex-Mediated H3K4me3 and Transcription of Leukemia-Associated Genes. <i>Molecular Cell</i> , 2016 , 61, 859-73	17.6	30
20	EGFR-mediated carcinoma cell metastasis mediated by integrin $\alpha 5 \beta 1$ depends on activation of c-Src and cleavage of MUC1. <i>PLoS ONE</i> , 2012 , 7, e36753	3.7	30
19	Hypoxia induces cancer cell-specific chromatin interactions and increases MALAT1 expression in breast cancer cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 11213-11224	5.4	26
18	Focal adhesion kinase controls pH-dependent epidermal barrier homeostasis by regulating actin-directed Na ⁺ /H ⁺ exchanger 1 plasma membrane localization. <i>American Journal of Pathology</i> , 2007 , 170, 2055-67	5.8	23
17	FAK and Pyk2 activity promote TNF- α and IL-1 β mediated pro-inflammatory gene expression and vascular inflammation. <i>Scientific Reports</i> , 2019 , 9, 7617	4.9	22
16	Nuclear Focal Adhesion Kinase Controls Vascular Smooth Muscle Cell Proliferation and Neointimal Hyperplasia Through GATA4-Mediated Cyclin D1 Transcription. <i>Circulation Research</i> , 2019 , 125, 152-166	15.7	21
15	Rgnef (p190RhoGEF) knockout inhibits RhoA activity, focal adhesion establishment, and cell motility downstream of integrins. <i>PLoS ONE</i> , 2012 , 7, e37830	3.7	21

14	FAK Family Kinases in Vascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
13	FAK inhibition reduces metastasis of β 1 integrin-expressing melanoma to lymph nodes by targeting lymphatic VCAM-1 expression. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 509, 1034-1040	3.4	10
12	SON haploinsufficiency causes impaired pre-mRNA splicing of CAKUT genes and heterogeneous renal phenotypes. <i>Kidney International</i> , 2019 , 95, 1494-1504	9.9	9
11	Analyzing FAK and Pyk2 in early integrin signaling events. <i>Current Protocols in Cell Biology</i> , 2006 , Chapter 14, Unit 14.7	2.3	9
10	FAK and Pyk2 in disease. <i>Frontiers in Biology</i> , 2016 , 11, 1-9		8
9	A Quantitative Method to Measure Low Levels of ROS in Nonphagocytic Cells by Using a Chemiluminescent Imaging System. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1754593	6.7	4
8	FAK Activation Promotes SMC Dedifferentiation via Increased DNA Methylation in Contractile Genes. <i>Circulation Research</i> , 2021 , 129, e215-e233	15.7	3
7	FAK in the nucleus prevents VSMC proliferation by promoting p27 and p21 expression via Skp2 degradation. <i>Cardiovascular Research</i> , 2021 ,	9.9	3
6	SON inhibits megakaryocytic differentiation via repressing RUNX1 and the megakaryocytic gene expression program in acute megakaryoblastic leukemia. <i>Cancer Gene Therapy</i> , 2021 , 28, 1000-1015	5.4	2
5	Focal Adhesion Kinase Activity and Localization is Critical for TNF- α -Induced Nuclear Factor- κ B Activation. <i>Inflammation</i> , 2021 , 44, 1130-1144	5.1	2
4	EphA2 signaling within integrin adhesions regulates fibrillar adhesion elongation and fibronectin deposition. <i>Matrix Biology</i> , 2021 , 103-104, 1-21	11.4	2
3	SON drives oncogenic RNA splicing in glioblastoma by regulating PTBP1/PTBP2 switching and RBFOX2 activity. <i>Nature Communications</i> , 2021 , 12, 5551	17.4	0
2	LED Light-Induced ROS Differentially Regulates Focal Adhesion Kinase Activity in HaCaT Cell Viability. <i>Current Issues in Molecular Biology</i> , 2022 , 44, 1235-1246	2.9	0
1	Nuclear focal adhesion kinase induces APC/C activator protein CDH1-mediated cyclin-dependent kinase4/6 degradation and inhibits melanoma proliferation.. <i>Journal of Biological Chemistry</i> , 2022 , 1020134	5.4	0