Ssang-Taek Lim

List of Publications by Year in Descending Order

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	LED Light-Induced ROS Differentially Regulates Focal Adhesion Kinase Activity in HaCaT Cell Viability. *Current Issues in Molecular Biology*, **2022**, 44, 1235-1246	2.9	0
48	Nuclear focal adhesion kinase induces APC/C activator protein CDH1-mediated cyclin-dependent kinase4/6 degradation and inhibits melanoma proliferation.. *Journal of Biological Chemistry*, **2022**, 102013	5.4	
47	FAK Activation Promotes SMC Dedifferentiation via Increased DNA Methylation in Contractile Genes. *Circulation Research*, **2021**, 129, e215-e233	15.7	3
46	SON inhibits megakaryocytic differentiation via repressing RUNX1 and the megakaryocytic gene expression program in acute megakaryoblastic leukemia. *Cancer Gene Therapy*, **2021**, 28, 1000-1015	5.4	2
45	FAK in the nucleus prevents VSMC proliferation by promoting p27 and p21 expression via Skp2 degradation. *Cardiovascular Research*, **2021**,	9.9	3
44	Focal Adhesion Kinase Activity and Localization is Critical for TNF-Induced Nuclear Factor-B Activation. *Inflammation*, **2021**, 44, 1130-1144	5.1	2
43	SON drives oncogenic RNA splicing in glioblastoma by regulating PTBP1/PTBP2 switching and RBFOX2 activity. *Nature Communications*, **2021**, 12, 5551	17.4	0
42	EphA2 signaling within integrin adhesions regulates fibrillar adhesion elongation and fibronectin deposition. *Matrix Biology*, **2021**, 103-104, 1-21	11.4	2
41	FAK Family Kinases in Vascular Diseases. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
40	Targeting focal adhesion kinase in cancer cells and the tumor microenvironment. *Experimental and Molecular Medicine*, **2020**, 52, 877-886	12.8	40
39	FAK inhibition reduces metastasis of 4 integrin-expressing melanoma to lymph nodes by targeting lymphatic VCAM-1 expression. *Biochemical and Biophysical Research Communications*, **2019**, 509, 1034-1040	3.4	10
38	A Quantitative Method to Measure Low Levels of ROS in Nonphagocytic Cells by Using a Chemiluminescent Imaging System. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1754593	6.7	4
37	Hypoxia induces cancer cell-specific chromatin interactions and increases MALAT1 expression in breast cancer cells. *Journal of Biological Chemistry*, **2019**, 294, 11213-11224	5.4	26
36	FAK and Pyk2 activity promote TNF-and IL-1-mediated pro-inflammatory gene expression and vascular inflammation. *Scientific Reports*, **2019**, 9, 7617	4.9	22
35	Nuclear Focal Adhesion Kinase Controls Vascular Smooth Muscle Cell Proliferation and Neointimal Hyperplasia Through GATA4-Mediated Cyclin D1 Transcription. *Circulation Research*, **2019**, 125, 152-166	15.7	21
34	SON haploinsufficiency causes impaired pre-mRNA splicing of CAKUT genes and heterogeneous renal phenotypes. *Kidney International*, **2019**, 95, 1494-1504	9.9	9
33	De Novo Mutations in SON Disrupt RNA Splicing of Genes Essential for Brain Development and Metabolism, Causing an Intellectual-Disability Syndrome. *American Journal of Human Genetics*, **2016**, 99, 711-719	11	44

32	Regulation of mitochondrial functions by protein phosphorylation and dephosphorylation. *Cell and Bioscience*, **2016**, 6, 25	9.8	60
31	SON and Its Alternatively Spliced Isoforms Control MLL Complex-Mediated H3K4me3 and Transcription of Leukemia-Associated Genes. *Molecular Cell*, **2016**, 61, 859-73	17.6	30
30	FAK and Pyk2 in disease. *Frontiers in Biology*, **2016**, 11, 1-9		8
29	Understanding the roles of FAK in cancer: inhibitors, genetic models, and new insights. *Journal of Histochemistry and Cytochemistry*, **2015**, 63, 114-28	3.4	115
28	Nuclear FAK: a new mode of gene regulation from cellular adhesions. *Molecules and Cells*, **2013**, 36, 1-6	3.5	68
27	VEGF-induced vascular permeability is mediated by FAK. *Developmental Cell*, **2012**, 22, 146-57	10.2	237
26	Rgnef (p190RhoGEF) knockout inhibits RhoA activity, focal adhesion establishment, and cell motility downstream of integrins. *PLoS ONE*, **2012**, 7, e37830	3.7	21
25	Nuclear-localized focal adhesion kinase regulates inflammatory VCAM-1 expression. *Journal of Cell Biology*, **2012**, 197, 907-19	7.3	71
24	Tetraspan TM4SF5-dependent direct activation of FAK and metastatic potential of hepatocarcinoma cells. *Journal of Cell Science*, **2012**, 125, 5960-73	5.3	35
23	FAK promotes recruitment of talin to nascent adhesions to control cell motility. *Journal of Cell Biology*, **2012**, 196, 223-32	7.3	155
22	EGFR-mediated carcinoma cell metastasis mediated by integrin V5 depends on activation of c-Src and cleavage of MUC1. *PLoS ONE*, **2012**, 7, e36753	3.7	30
21	p190RhoGEF (Rgnef) promotes colon carcinoma tumor progression via interaction with focal adhesion kinase. *Cancer Research*, **2011**, 71, 360-70	10.1	44
20	Pyk2 inhibition of p53 as an adaptive and intrinsic mechanism facilitating cell proliferation and survival. *Journal of Biological Chemistry*, **2010**, 285, 1743-53	5.4	54
19	Knock-in mutation reveals an essential role for focal adhesion kinase activity in blood vessel morphogenesis and cell motility-polarity but not cell proliferation. *Journal of Biological Chemistry*, **2010**, 285, 21526-36	5.4	81
18	PND-1186 FAK inhibitor selectively promotes tumor cell apoptosis in three-dimensional environments. *Cancer Biology and Therapy*, **2010**, 9, 764-77	4.6	119
17	A FAK-p120RasGAP-p190RhoGAP complex regulates polarity in migrating cells. *Journal of Cell Science*, **2009**, 122, 1852-62	5.3	112
16	Distinct FAK-Src activation events promote alpha5beta1 and alpha4beta1 integrin-stimulated neuroblastoma cell motility. *Oncogene*, **2008**, 27, 1439-48	9.2	81
15	FAK nuclear export signal sequences. *FEBS Letters*, **2008**, 582, 2402-6	3.8	40

14	Nuclear FAK promotes cell proliferation and survival through FERM-enhanced p53 degradation. *Molecular Cell*, **2008**, 29, 9-22	17.6	352
13	PyK2 and FAK connections to p190Rho guanine nucleotide exchange factor regulate RhoA activity, focal adhesion formation, and cell motility. *Journal of Cell Biology*, **2008**, 180, 187-203	7.3	176
12	FERM control of FAK function: implications for cancer therapy. *Cell Cycle*, **2008**, 7, 2306-14	4.7	106
11	Compensatory role for Pyk2 during angiogenesis in adult mice lacking endothelial cell FAK. *Journal of Cell Biology*, **2008**, 181, 43-50	7.3	118
10	Tumor necrosis factor-alpha stimulates focal adhesion kinase activity required for mitogen-activated kinase-associated interleukin 6 expression. *Journal of Biological Chemistry*, **2007**, 282, 17450-9	5.4	41
9	Focal adhesion kinase controls pH-dependent epidermal barrier homeostasis by regulating actin-directed Na+/H+ exchanger 1 plasma membrane localization. *American Journal of Pathology*, **2007**, 170, 2055-67	5.8	23
8	Analyzing FAK and Pyk2 in early integrin signaling events. *Current Protocols in Cell Biology*, **2006**, Chapter 14, Unit 14.7	2.3	9
7	Intrinsic focal adhesion kinase activity controls orthotopic breast carcinoma metastasis via the regulation of urokinase plasminogen activator expression in a syngeneic tumor model. *Oncogene*, **2006**, 25, 4429-40	9.2	84
6	Intrinsic FAK activity and Y925 phosphorylation facilitate an angiogenic switch in tumors. *Oncogene*, **2006**, 25, 5969-84	9.2	132
5	Integrin alpha4beta1 promotes focal adhesion kinase-independent cell motility via alpha4 cytoplasmic domain-specific activation of c-Src. *Molecular and Cellular Biology*, **2005**, 25, 9700-12	4.8	71
4	Calmodulin binding to the Fas death domain. Regulation by Fas activation. *Journal of Biological Chemistry*, **2004**, 279, 5661-6	5.4	40
3	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. *Journal of Biological Chemistry*, **2003**, 278, 13795-802	5.4	96
2	Regulation of inositol phospholipid binding and signaling through syndecan-4. *Journal of Biological Chemistry*, **2002**, 277, 49296-303	5.4	46
1	Syndecan-4 proteoglycan cytoplasmic domain and phosphatidylinositol 4,5-bisphosphate coordinately regulate protein kinase C activity. *Journal of Biological Chemistry*, **1998**, 273, 10624-9	5.4	160