

# Ssang-Taek Lim

## List of Publications by Year in descending order

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54  
papers

3,826  
citations

126901

33  
h-index

175241

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

5051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear FAK Promotes Cell Proliferation and Survival through FERM-Enhanced p53 Degradation. <i>Molecular Cell</i> , 2008, 29, 9-22.	9.7	421
2	VEGF-Induced Vascular Permeability Is Mediated by FAK. <i>Developmental Cell</i> , 2012, 22, 146-157.	7.0	281
3	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.	5.2	196
4	FAK promotes recruitment of talin to nascent adhesions to control cell motility. <i>Journal of Cell Biology</i> , 2012, 196, 223-232.	5.2	180
5	Syndecan-4 Proteoglycan Cytoplasmic Domain and Phosphatidylinositol 4,5-Bisphosphate Coordinately Regulate Protein Kinase C Activity. <i>Journal of Biological Chemistry</i> , 1998, 273, 10624-10629.	3.4	178
6	Understanding the Roles of FAK in Cancer. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 114-128.	2.5	165
7	PND-1186 FAK inhibitor selectively promotes tumor cell apoptosis in three-dimensional environments. <i>Cancer Biology and Therapy</i> , 2010, 9, 764-777.	3.4	144
8	Intrinsic FAK activity and Y925 phosphorylation facilitate an angiogenic switch in tumors. <i>Oncogene</i> , 2006, 25, 5969-5984.	5.9	143
9	Compensatory role for Pyk2 during angiogenesis in adult mice lacking endothelial cell FAK. <i>Journal of Cell Biology</i> , 2008, 181, 43-50.	5.2	130
10	A FAK-p120RasGAP-p190RhoGAP complex regulates polarity in migrating cells. <i>Journal of Cell Science</i> , 2009, 122, 1852-1862.	2.0	129
11	FERM control of FAK function: Implications for cancer therapy. <i>Cell Cycle</i> , 2008, 7, 2306-2314.	2.6	114
12	Direct Binding of Syndecan-4 Cytoplasmic Domain to the Catalytic Domain of Protein Kinase C $\zeta$ (PKC $\zeta$ ) Increases Focal Adhesion Localization of PKC $\zeta$ . <i>Journal of Biological Chemistry</i> , 2003, 278, 13795-13802.	3.4	107
13	Targeting focal adhesion kinase in cancer cells and the tumor microenvironment. <i>Experimental and Molecular Medicine</i> , 2020, 52, 877-886.	7.7	105
14	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, 21526-21536.	3.4	95
15	Distinct FAK-Src activation events promote $\beta$ 1 and $\beta$ 1 integrin-stimulated neuroblastoma cell motility. <i>Oncogene</i> , 2008, 27, 1439-1448.	5.9	94
16	Nuclear-localized focal adhesion kinase regulates inflammatory VCAM-1 expression. <i>Journal of Cell Biology</i> , 2012, 197, 907-919.	5.2	92
17	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, 4429-4440.	5.9	88
18	Regulation of mitochondrial functions by protein phosphorylation and dephosphorylation. <i>Cell and Bioscience</i> , 2016, 6, 25.	4.8	85

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19	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.	6.2	81
20	Integrin $\alpha 4 \beta 1$ Promotes Focal Adhesion Kinase-Independent Cell Motility via $\alpha 4$ Cytoplasmic Domain-Specific Activation of c-Src. <i>Molecular and Cellular Biology</i> , 2005, 25, 9700-9712.	2.3	77
21	Nuclear FAK: a New Mode of Gene Regulation from Cellular Adhesions. <i>Molecules and Cells</i> , 2013, 36, 1-6.	2.6	76
22	Pyk2 Inhibition of p53 as an Adaptive and Intrinsic Mechanism Facilitating Cell Proliferation and Survival. <i>Journal of Biological Chemistry</i> , 2010, 285, 1743-1753.	3.4	63
23	FAK and Pyk2 activity promote TNF- $\alpha$ and IL-1 $\beta$ -mediated pro-inflammatory gene expression and vascular inflammation. <i>Scientific Reports</i> , 2019, 9, 7617.	3.3	56
24	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, 17450-17459.	3.4	55
25	FAK nuclear export signal sequences. <i>FEBS Letters</i> , 2008, 582, 2402-2406.	2.8	53
26	p190RhoGEF (Rgnef) Promotes Colon Carcinoma Tumor Progression via Interaction with Focal Adhesion Kinase. <i>Cancer Research</i> , 2011, 71, 360-370.	0.9	51
27	Regulation of Inositol Phospholipid Binding and Signaling through Syndecan-4. <i>Journal of Biological Chemistry</i> , 2002, 277, 49296-49303.	3.4	49
28	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.	4.5	47
29	Tetraspan TM4SF5-dependent direct activation of FAK and metastatic potential of hepatocarcinoma cells. <i>Journal of Cell Science</i> , 2012, 125, 5960-5973.	2.0	45
30	Calmodulin Binding to the Fas Death Domain. <i>Journal of Biological Chemistry</i> , 2004, 279, 5661-5666.	3.4	44
31	SON and Its Alternatively Spliced Isoforms Control MLL Complex-Mediated H3K4me3 and Transcription of Leukemia-Associated Genes. <i>Molecular Cell</i> , 2016, 61, 859-873.	9.7	41
32	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.	3.4	39
33	EGFR-Mediated Carcinoma Cell Metastasis Mediated by Integrin $\alpha v \beta 5$ Depends on Activation of c-Src and Cleavage of MUC1. <i>PLoS ONE</i> , 2012, 7, e36753.	2.5	33
34	FAK Family Kinases in Vascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3630.	4.1	26
35	Rgnef (p190RhoGEF) Knockout Inhibits RhoA Activity, Focal Adhesion Establishment, and Cell Motility Downstream of Integrins. <i>PLoS ONE</i> , 2012, 7, e37830.	2.5	25
36	Focal Adhesion Kinase Controls pH-Dependent Epidermal Barrier Homeostasis by Regulating Actin-Directed Na <sup>+</sup> /H <sup>+</sup> Exchanger 1 Plasma Membrane Localization. <i>American Journal of Pathology</i> , 2007, 170, 2055-2067.	3.8	24

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37	SON haploinsufficiency causes impaired pre-mRNA splicing of CAKUT genes and heterogeneous renal phenotypes. <i>Kidney International</i> , 2019, 95, 1494-1504.	5.2	17
38	SON drives oncogenic RNA splicing in glioblastoma by regulating PTBP1/PTBP2 switching and RBFOX2 activity. <i>Nature Communications</i> , 2021, 12, 5551.	12.8	17
39	FAK inhibition reduces metastasis of $\beta$ 4 integrin-expressing melanoma to lymph nodes by targeting lymphatic VCAM-1 expression. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 1034-1040.	2.1	14
40	FAK in the nucleus prevents VSMC proliferation by promoting p27 and p21 expression via Skp2 degradation. <i>Cardiovascular Research</i> , 2022, 118, 1150-1163.	3.8	14
41	FAK and Pyk2 in disease. <i>Frontiers in Biology</i> , 2016, 11, 1-9.	0.7	13
42	FAK Activation Promotes SMC Dedifferentiation via Increased DNA Methylation in Contractile Genes. <i>Circulation Research</i> , 2021, 129, e215-e233.	4.5	12
43	Analyzing FAK and Pyk2 in Early Integrin Signaling Events. <i>Current Protocols in Cell Biology</i> , 2006, 30, Unit 14.7.	2.3	9
44	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, 1-11.	4.0	9
45	EphA2 signaling within integrin adhesions regulates fibrillar adhesion elongation and fibronectin deposition. <i>Matrix Biology</i> , 2021, 103-104, 1-21.	3.6	7
46	Focal Adhesion Kinase Activity and Localization is Critical for TNF- $\alpha$ -Induced Nuclear Factor- $\kappa$ B Activation. <i>Inflammation</i> , 2021, 44, 1130-1144.	3.8	6
47	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.	4.6	5
48	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.	2.4	5
49	A FAK-p120RasGAP-p190RhoGAP complex regulates polarity in migrating cells. <i>Journal of Cell Science</i> , 2009, 122, 3005-3005.	2.0	3
50	Abstract 1204: FAK inhibition selectively promotes tumor cell apoptosis in three-dimensional environments and suppresses tumor cell metastasis. <i>Cancer Research</i> , 2010, 70, 1204-1204.	0.9	2
51	Nuclear focal adhesion kinase induces APC/C activator protein CDH1-mediated cyclin-dependent kinase 4/6 degradation and inhibits melanoma proliferation. <i>Journal of Biological Chemistry</i> , 2022, 298, 102013.	3.4	2
52	p190RhoGEF (Rgnef) and FAK promote colorectal cancer invasiveness. <i>Matrix Biology</i> , 2008, 27, 30.	3.6	0
53	Cell polarity regulated by a FAK-p120RasGAP-p190RhoGAP complex. <i>Matrix Biology</i> , 2008, 27, 59.	3.6	0
54	Abstract 1254: FAK activity regulates $\beta$ 5 integrin and osteopontin expression to control breast and ovarian cancer anchorage-independent growth. , 2012, , .		0