Markus Moser

List of Publications by Citations

62 papers	5,466 citations	32 h-index	67 g-index
67 ext. papers	6,317 ext. citations	11.3 avg, IF	5.28 L-index

#	Paper	IF	Citations
62	The tail of integrins, talin, and kindlins. *Science*, **2009**, 324, 895-9	33.3	588
61	SILAC mouse for quantitative proteomics uncovers kindlin-3 as an essential factor for red blood cell function. *Cell*, **2008**, 134, 353-64	56.2	557
60	Kindlin-3 is essential for integrin activation and platelet aggregation. *Nature Medicine*, **2008**, 14, 325-30	50.5	526
59	Leukocyte adhesion deficiency-III is caused by mutations in KINDLIN3 affecting integrin activation. *Nature Medicine*, **2009**, 15, 306-12	50.5	331
58	Kindlin-2 controls bidirectional signaling of integrins. *Genes and Development*, **2008**, 22, 1325-30	12.6	329
57	Kindlin-3 is required for beta2 integrin-mediated leukocyte adhesion to endothelial cells. *Nature Medicine*, **2009**, 15, 300-5	50.5	286
56	Loss of talin1 in platelets abrogates integrin activation, platelet aggregation, and thrombus formation in vitro and in vivo. *Journal of Experimental Medicine*, **2007**, 204, 3113-8	16.6	197
55	The Kindlins: subcellular localization and expression during murine development. *Experimental Cell Research*, **2006**, 312, 3142-51	4.2	196
54	LAD-1/variant syndrome is caused by mutations in FERMT3. *Blood*, **2009**, 113, 4740-6	2.2	194
53	Loss of Kindlin-1 causes skin atrophy and lethal neonatal intestinal epithelial dysfunction. *PLoS Genetics*, **2008**, 4, e1000289	6	160
52	The RGD motif in fibronectin is essential for development but dispensable for fibril assembly. *Journal of Cell Biology*, **2007**, 178, 167-78	7.3	158
51	The molecular basis of leukocyte recruitment and its deficiencies. *Molecular Immunology*, **2013**, 55, 49-58	4.3	154
50	Kindlin-3-mediated signaling from multiple integrin classes is required for osteoclast-mediated bone resorption. *Journal of Cell Biology*, **2011**, 192, 883-97	7.3	147
49	Copy number analysis of the murine platelet proteome spanning the complete abundance range. *Molecular and Cellular Proteomics*, **2014**, 13, 3435-45	7.6	138
48	The mechanism of kindlin-mediated activation of integrin □b□. *Current Biology*, **2013**, 23, 2288-2295	6.3	116
47	Extracellular MRP8/14 is a regulator of □ integrin-dependent neutrophil slow rolling and adhesion. *Nature Communications*, **2015**, 6, 6915	17.4	104
46	Placental failure and impaired vasculogenesis result in embryonic lethality for neuropathy target esterase-deficient mice. *Molecular and Cellular Biology*, **2004**, 24, 1667-79	4.8	103

45	E-cadherin integrates mechanotransduction and EGFR signaling to control junctional tissue polarization and tight junction positioning. *Nature Communications*, **2017**, 8, 1250	17.4	99
44	Diversified actin protrusions promote environmental exploration but are dispensable for locomotion of leukocytes. *Nature Cell Biology*, **2016**, 18, 1253-1259	23.4	93
43	Loss of Kindlin-3 in LAD-III eliminates LFA-1 but not VLA-4 adhesiveness developed under shear flow conditions. *Blood*, **2009**, 114, 2344-53	2.2	80
42	Pathogenicity of human antibodies against myelin oligodendrocyte glycoprotein. *Annals of Neurology*, **2018**, 84, 315-328	9.4	79
41	A mouse model for cystic biliary dysgenesis in autosomal recessive polycystic kidney disease (ARPKD). *Hepatology*, **2005**, 41, 1113-21	11.2	71
40	Structure of Rap1b bound to talin reveals a pathway for triggering integrin activation. *Nature Communications*, **2017**, 8, 1744	17.4	58
39	Eosinophil-platelet interactions promote atherosclerosis and stabilize thrombosis with eosinophil extracellular traps. *Blood*, **2019**, 134, 1859-1872	2.2	58
38	Loss of the Rap1 effector RIAM results in leukocyte adhesion deficiency due to impaired 2 integrin function in mice. *Blood*, **2015**, 126, 2704-12	2.2	55
37	Lysine-specific demethylase 1 regulates differentiation onset and migration of trophoblast stem cells. *Nature Communications*, **2014**, 5, 3174	17.4	41
36	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. *Journal of Clinical Investigation*, **2016**, 126, 4125-4139	15.9	41
35	Kindlin-3 regulates integrin activation and adhesion reinforcement of effector T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 17005-10	11.5	40
34	T-cell receptors from multiple sclerosis brain lesions show MAIT cell-related features. *Neurology: Neuroimmunology and NeuroInflammation*, **2015**, 2, e107	9.1	37
33	Minimal amounts of kindlin-3 suffice for basal platelet and leukocyte functions in mice. *Blood*, **2015**, 126, 2592-600	2.2	36
32	Direct Rap1/Talin1 interaction regulates platelet and neutrophil integrin activity in mice. *Blood*, **2018**, 132, 2754-2762	2.2	35
31	Terminal renal failure in mice lacking transcription factor AP-2 beta. *Laboratory Investigation*, **2003**, 83, 571-8	5.9	32
30	Cdk5 controls lymphatic vessel development and function by phosphorylation of Foxc2. *Nature Communications*, **2015**, 6, 7274	17.4	30
29	cAMP-dependent regulation of HCN4 controls the tonic entrainment process in sinoatrial node pacemaker cells. *Nature Communications*, **2020**, 11, 5555	17.4	29
28	Maturation of Platelet Function During Murine Fetal Development In Vivo. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 1076-1086	9.4	23

27	Kindlin-3-mediated integrin adhesion is dispensable for quiescent but essential for activated hematopoietic stem cells. *Journal of Experimental Medicine*, **2015**, 212, 1415-32	16.6	22
26	The integrin coactivator Kindlin-3 is not required for lymphocyte diapedesis. *Blood*, **2013**, 122, 2609-17	2.2	20
25	1 integrin-mediated signals are required for platelet granule secretion and hemostasis in mouse. *Blood*, **2013**, 122, 2723-31	2.2	20
24	Embryonic stem cell differentiation requires full length Chd1. *Scientific Reports*, **2015**, 5, 8007	4.9	19
23	The integrin-linked kinase is required for chemokine-triggered high-affinity conformation of the neutrophil 2-integrin LFA-1. *Blood*, **2020**, 136, 2200-2205	2.2	18
22	A kindlin-3-leupaxin-paxillin signaling pathway regulates podosome stability. *Journal of Cell Biology*, **2019**, 218, 3436-3454	7.3	17
21	Rap1 and membrane lipids cooperatively recruit talin to trigger integrin activation. *Journal of Cell Science*, **2019**, 132,	5.3	17
20	Upregulation of VCAM-1 in lymphatic collectors supports dendritic cell entry and rapid migration to lymph nodes in inflammation. *Journal of Experimental Medicine*, **2021**, 218,	16.6	14
19	The ubiquitin E3 ligase NOSIP modulates protein phosphatase 2A activity in craniofacial development. *PLoS ONE*, **2014**, 9, e116150	3.7	13
18	A 2-Integrin/MRTF-A/SRF Pathway Regulates Dendritic Cell Gene Expression, Adhesion, and Traction Force Generation. *Frontiers in Immunology*, **2019**, 10, 1138	8.4	12
17	T-cell receptor repertoire of human peripheral CD161hiTRAV1-2+ MAIT cells revealed by next generation sequencing and single cell analysis. *Human Immunology*, **2015**, 76, 607-14	2.3	12
16	Differential requirement of kindlin-3 for T cell progenitor homing to the non-vascularized and vascularized thymus. *ELife*, **2018**, 7,	8.9	10
15	The alternative cap-binding complex is required for antiviral defense in vivo. *PLoS Pathogens*, **2019**, 15, e1008155	7.6	10
14	-Class integrin binding to fibronectin is solely mediated by RGD and unaffected by an RGE mutation. *Journal of Cell Biology*, **2020**, 219,	7.3	8
13	2 Integrin Signaling Cascade in Neutrophils: More Than a Single Function. *Frontiers in Immunology*, **2020**, 11, 619925	8.4	8
12	Loss of AP-2delta reduces retinal ganglion cell numbers and axonal projections to the superior colliculus. *Molecular Brain*, **2016**, 9, 62	4.5	6
11	Microenvironment-derived ADAM28 prevents cancer dissemination. *Oncotarget*, **2018**, 9, 37185-37199	3.3	5
10	Binding of Rap1 and Riam to Talin1 Fine-Tune 2 Integrin Activity During Leukocyte Trafficking. *Frontiers in Immunology*, **2021**, 12, 702345	8.4	4

List of Publications

9	The voltage-gated potassium channel KV1.3 regulates neutrophil recruitment during inflammation. *Cardiovascular Research*, **2021**,	9.9	3
8	AP-2 Expression in Developing Retina: Contributing to the Molecular Diversity of Amacrine Cells. *Scientific Reports*, **2018**, 8, 3386	4.9	2
7	Mechanism of integrin activation by talin and its cooperation with kindlin.. *Nature Communications*, **2022**, 13, 2362	17.4	2
6	Low kindlin-3 levels in osteoclasts of kindlin-3 hypomorphic mice result in osteopetrosis due to leaky sealing zones. *Journal of Cell Science*, **2021**, 134,	5.3	1
5	Molecular Mechanisms of Leukocyte Integrin Activation.. *Blood*, **2022**,	2.2	1
4	The Collagen Receptor Discoidin Domain Receptor 1b Enhances Integrin -Mediated Cell Migration by Interacting With Talin and Promoting Rac1 Activation.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 836797	5.7	0
3	The alternative cap-binding complex is required for antiviral defense in vivo **2019**, 15, e1008155		
2	The alternative cap-binding complex is required for antiviral defense in vivo **2019**, 15, e1008155		
1	The alternative cap-binding complex is required for antiviral defense in vivo **2019**, 15, e1008155		