Markus Moser

List of Publications by Year
in descending order

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66	6,807	109321	114465
papers	citations	35 h-index	63 g-index

67	67	67	7636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Tail of Integrins, Talin, and Kindlins. Science, 2009, 324, 895-899.	12.6	672
2	SILAC Mouse for Quantitative Proteomics Uncovers Kindlin-3 as an Essential Factor for Red Blood Cell Function. Cell, 2008, 134, 353-364.	28.9	631
3	Kindlin-3 is essential for integrin activation and platelet aggregation. Nature Medicine, 2008, 14, 325-330.	30.7	599
4	Kindlin-2 controls bidirectional signaling of integrins. Genes and Development, 2008, 22, 1325-1330.	5.9	381
5	Leukocyte adhesion deficiency-III is caused by mutations in KINDLIN3 affecting integrin activation. Nature Medicine, 2009, 15, 306-312.	30.7	371
6	Kindlin-3 is required for Î²2 integrinâ€“mediated leukocyte adhesion to endothelial cells. Nature Medicine, 2009, 15, 300-305.	30.7	339
7	Loss of talin1 in platelets abrogates integrin activation, platelet aggregation, and thrombus formation in vitro and in vivo. Journal of Experimental Medicine, 2007, 204, 3113-3118.	8.5	227
8	The Kindlins: Subcellular localization and expression during murine development. Experimental Cell Research, 2006, 312, 3142-3151.	2.6	217
9	LAD-1/variant syndrome is caused by mutations in FERMT3. Blood, 2009, 113, 4740-4746.	1.4	217
10	Copy Number Analysis of the Murine Platelet Proteome Spanning the Complete Abundance Range. Molecular and Cellular Proteomics, 2014, 13, 3435-3445.	3.8	187
11	Loss of Kindlin-1 Causes Skin Atrophy and Lethal Neonatal Intestinal Epithelial Dysfunction. PLoS Genetics, 2008, 4, e1000289.	3.5	185
12	The RGD motif in fibronectin is essential for development but dispensable for fibril assembly. Journal of Cell Biology, 2007, 178, 167-178.	5.2	183
13	The molecular basis of leukocyte recruitment and its deficiencies. Molecular Immunology, 2013, 55, 49-58.	2.2	183
14	Kindlin-3â€“mediated signaling from multiple integrin classes is required for osteoclast-mediated bone resorption. Journal of Cell Biology, 2011, 192, 883-897.	5.2	163
15	Diversified actin protrusions promote environmental exploration but are dispensable for locomotion ofÂleukocytes. Nature Cell Biology, 2016, 18, 1253-1259.	10.3	150
16	E-cadherin integrates mechanotransduction and EGFR signaling to control junctional tissue polarization and tight junction positioning. Nature Communications, 2017, 8, 1250.	12.8	147
17	Extracellular MRP8/14 is a regulator of Î²2 integrin-dependent neutrophil slow rolling and adhesion. Nature Communications, 2015, 6, 6915.	12.8	141
18	Pathogenicity of human antibodies against myelin oligodendrocyte glycoprotein. Annals of Neurology, 2018, 84, 315-328.	5.3	140

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19	The Mechanism of Kindlin-Mediated Activation of Integrin Î±IIbÎ²3. Current Biology, 2013, 23, 2288-2295.	3.9	131
20	Placental Failure and Impaired Vasculogenesis Result in Embryonic Lethality for Neuropathy Target Esterase-Deficient Mice. Molecular and Cellular Biology, 2004, 24, 1667-1679.	2.3	117
21	Eosinophil-platelet interactions promote atherosclerosis and stabilize thrombosis with eosinophil extracellular traps. Blood, 2019, 134, 1859-1872.	1.4	113
22	Loss of Kindlin-3 in LAD-III eliminates LFA-1 but not VLA-4 adhesiveness developed under shear flow conditions. Blood, 2009, 114, 2344-2353.	1.4	92
23	Loss of the Rap1 effector RIAM results in leukocyte adhesion deficiency due to impaired Î²2 integrin function in mice. Blood, 2015, 126, 2704-2712.	1.4	85
24	A mouse model for cystic biliary dysgenesis in autosomal recessive polycystic kidney disease (ARPKD). Hepatology, 2005, 41, 1113-1121.	7.3	84
25	Structure of Rap1b bound to talin reveals a pathway for triggering integrin activation. Nature Communications, 2017, 8, 1744.	12.8	82
26	cAMP-dependent regulation of HCN4 controls the tonic entrainment process in sinoatrial node pacemaker cells. Nature Communications, 2020, 11, 5555.	12.8	63
27	Lysine-specific demethylase 1 regulates differentiation onset and migration of trophoblast stem cells. Nature Communications, 2014, 5, 3174.	12.8	55
28	Direct Rap1/Talin1 interaction regulates platelet and neutrophil integrin activity in mice. Blood, 2018, 132, 2754-2762.	1.4	55
29	Î±Î² T-cell receptors from multiple sclerosis brain lesions show MAIT cellâ€“related features. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e107.	6.0	52
30	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. Journal of Clinical Investigation, 2016, 126, 4125-4139.	8.2	50
31	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, 17005-17010.	7.1	48
32	Î²2 Integrin Signaling Cascade in Neutrophils: More Than a Single Function. Frontiers in Immunology, 2020, 11, 619925.	4.8	47
33	Minimal amounts of kindlin-3 suffice for basal platelet and leukocyte functions in mice. Blood, 2015, 126, 2592-2600.	1.4	45
34	Cdk5 controls lymphatic vessel development and function by phosphorylation of Foxc2. Nature Communications, 2015, 6, 7274.	12.8	42
35	Rap1 and membrane lipids cooperatively recruit talin to trigger integrin activation. Journal of Cell Science, 2019, 132, .	2.0	42
36	Terminal Renal Failure in Mice Lacking Transcription Factor AP-2Î². Laboratory Investigation, 2003, 83, 571-578.	3.7	40

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37	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, .	8.5	37
38	Mechanism of integrin activation by talin and its cooperation with kindlin. Nature Communications, 2022, 13, 2362.	12.8	30
39	Maturation of Platelet Function During Murine Fetal Development In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1076-1086.	2.4	28
40	Î²1 integrinâˆ'mediated signals are required for platelet granule secretion and hemostasis in mouse. Blood, 2013, 122, 2723-2731.	1.4	26
41	Kindlin-3â€“mediated integrin adhesion is dispensable for quiescent but essential for activated hematopoietic stem cells. Journal of Experimental Medicine, 2015, 212, 1415-1432.	8.5	26
42	The integrin-linked kinase is required for chemokine-triggered high-affinity conformation of the neutrophil Î²2-integrin LFA-1. Blood, 2020, 136, 2200-2205.	1.4	26
43	The integrin coactivator Kindlin-3 is not required for lymphocyte diapedesis. Blood, 2013, 122, 2609-2617.	1.4	23
44	Embryonic stem cell differentiation requires full length Chd1. Scientific Reports, 2015, 5, 8007.	3.3	23
45	A Î²2-Integrin/MRTF-A/SRF Pathway Regulates Dendritic Cell Gene Expression, Adhesion, and Traction Force Generation. Frontiers in Immunology, 2019, 10, 1138.	4.8	21
46	Molecular mechanisms of leukocyte Î²2 integrin activation. Blood, 2022, 139, 3480-3492.	1.4	21
47	A kindlin-3â€“leupaxinâ€“paxillin signaling pathway regulates podosome stability. Journal of Cell Biology, 2019, 218, 3436-3454.	5.2	20
48	The alternative cap-binding complex is required for antiviral defense in vivo. PLoS Pathogens, 2019, 15, e1008155.	4.7	19
49	The voltage-gated potassium channel KV1.3 regulates neutrophil recruitment during inflammation. Cardiovascular Research, 2022, 118, 1289-1302.	3.8	18
50	Î±v-Class integrin binding to fibronectin is solely mediated by RGD and unaffected by an RGE mutation. Journal of Cell Biology, 2020, 219, .	5.2	17
51	T-cell receptor repertoire of human peripheral CD161hiTRAV1-2+ MAIT cells revealed by next generation sequencing and single cell analysis. Human Immunology, 2015, 76, 607-614.	2.4	16
52	The Ubiquitin E3 Ligase NOSIP Modulates Protein Phosphatase 2A Activity in Craniofacial Development. PLoS ONE, 2014, 9, e116150.	2.5	15
53	Binding of Rap1 and Riam to Talin1 Fine-Tune Î²2 Integrin Activity During Leukocyte Trafficking. Frontiers in Immunology, 2021, 12, 702345.	4.8	13
54	Differential requirement of kindlin-3 for T cell progenitor homing to the non-vascularized and vascularized thymus. ELife, 2018, 7, .	6.0	11

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55	Loss of AP-2delta reduces retinal ganglion cell numbers and axonal projections to the superior colliculus. Molecular Brain, 2016, 9, 62.	2.6	8
56	Microenvironment-derived ADAM28 prevents cancer dissemination. Oncotarget, 2018, 9, 37185-37199.	1.8	8
57	The Collagen Receptor Discoidin Domain Receptor 1b Enhances Integrin Î²1-Mediated Cell Migration by Interacting With Talin and Promoting Rac1 Activation. Frontiers in Cell and Developmental Biology, 2022, 10, 836797.	3.7	8
58	Selective depletion of a CD64-expressing phagocyte subset mediates protection against toxic kidney injury and failure. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
59	AP-2Îµ Expression in Developing Retina: Contributing to the Molecular Diversity of Amacrine Cells. Scientific Reports, 2018, 8, 3386.	3.3	4
60	A polycystin-2 protein with modified channel properties leads to an increased diameter of renal tubules and to renal cysts. Journal of Cell Science, 2021, 134, .	2.0	2
61	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, .	2.0	2
62	Humanized Î²2 Integrin-Expressing Hoxb8 Cells Serve as Model to Study Integrin Activation. Cells, 2022, 11, 1532.	4.1	1
63	Inability to phosphorylate Y88 of p27Kip1 enforces reduced p27 protein levels and accelerates leukemia progression. Leukemia, 2022, 36, 1916-1925.	7.2	1
64	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0
65	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0
66	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0