

Ralph T BÄttcher

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,579
citations

361045

20
h-index

315357

38
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42
all docs

42
docs citations

42
times ranked

3027
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights into the phosphorylation of the threonine motif of the β 1 integrin cytoplasmic domain. <i>Life Science Alliance</i> , 2022, 5, e202101301.	1.3	4
2	Soluble uric acid inhibits β 2 integrin-mediated neutrophil recruitment in innate immunity. <i>Blood</i> , 2022, 139, 3402-3417.	0.6	21
3	The Collagen Receptor Discoidin Domain Receptor 1b Enhances Integrin β 1-Mediated Cell Migration by Interacting With Talin and Promoting Rac1 Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 836797.	1.8	8
4	Molecular determinants of β 5 localization in flat clathrin lattices – role of β 5 in cell adhesion and proliferation. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6
5	The focal adhesion protein β -parvin controls cardiomyocyte shape and sarcomere assembly in response to mechanical load. <i>Current Biology</i> , 2022, 32, 3033-3047.e9.	1.8	6
6	Quantitative single-protein imaging reveals molecular complex formation of integrin, talin, and kindlin during cell adhesion. <i>Nature Communications</i> , 2021, 12, 919.	5.8	31
7	Molecular motion and tridimensional nanoscale localization of kindlin control integrin activation in focal adhesions. <i>Nature Communications</i> , 2021, 12, 3104.	5.8	37
8	Molecular-scale visualization of sarcomere contraction within native cardiomyocytes. <i>Nature Communications</i> , 2021, 12, 4086.	5.8	33
9	More Is Not Always Better – the Double-Headed Role of Fibronectin in Staphylococcus aureus Host Cell Invasion. <i>MBio</i> , 2021, 12, e0106221.	1.8	13
10	Rabgap1 promotes recycling of active β 1 integrins to support effective cell migration. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	10
11	Profilin 1 Negatively Regulates Osteoclast Migration in Postnatal Skeletal Growth, Remodeling, and Homeostasis in Mice. <i>JBMR Plus</i> , 2019, 3, e10130.	1.3	10
12	Profilin1 is expressed in osteocytes and regulates cell shape and migration. <i>Journal of Cellular Physiology</i> , 2018, 233, 259-268.	2.0	15
13	Low density lipoprotein receptor-related protein 1 couples β 1 integrin activation to degradation. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1671-1685.	2.4	25
14	FAK auto-phosphorylation site tyrosine 397 is required for development but dispensable for normal skin homeostasis. <i>PLoS ONE</i> , 2018, 13, e0200558.	1.1	9
15	LCP1 preferentially binds clasped β 2 integrin and attenuates leukocyte adhesion under flow. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	16
16	Coronin 1A, a novel player in integrin biology, controls neutrophil trafficking in innate immunity. <i>Blood</i> , 2017, 130, 847-858.	0.6	56
17	Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3933-3938.	3.3	18
18	Kindlin-2 recruits paxillin and Arp2/3 to promote membrane protrusions during initial cell spreading. <i>Journal of Cell Biology</i> , 2017, 216, 3785-3798.	2.3	94

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19	A forceful connection: mechanoregulation of oncogenic YAP. <i>EMBO Journal</i> , 2017, 36, 2467-2469.	3.5	2
20	Migrating Platelets Are Mechano-scavengers that Collect and Bundle Bacteria. <i>Cell</i> , 2017, 171, 1368-1382.e23.	13.5	251
21	Pharmacological intervention of MKL/SRF signaling by CCG-1423 impedes endothelial cell migration and angiogenesis. <i>Angiogenesis</i> , 2017, 20, 663-672.	3.7	29
22	A balanced level of profilin-1 promotes stemness and tumor-initiating potential of breast cancer cells. <i>Cell Cycle</i> , 2017, 16, 2366-2373.	1.3	12
23	PPF1A1 drives active $\beta 5 \beta 1$ integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. <i>Nature Communications</i> , 2016, 7, 13546.	5.8	72
24	Role of $\beta 1$ integrins and bacterial adhesins for Yop injection into leukocytes in <i>Yersinia enterocolitica</i> systemic mouse infection. <i>International Journal of Medical Microbiology</i> , 2016, 306, 77-88.	1.5	17
25	Kindlin-2 cooperates with talin to activate integrins and induces cell spreading by directly binding paxillin. <i>ELife</i> , 2016, 5, e10130.	2.8	213
26	Integrin $\beta 3 \beta 1$ regulates kidney collecting duct development via TRAF6-dependent K63-linked polyubiquitination of Akt. <i>Molecular Biology of the Cell</i> , 2015, 26, 1857-1874.	0.9	27
27	<i>Yersinia enterocolitica</i> exploits different pathways to accomplish adhesion and toxin injection into host cells. <i>Cellular Microbiology</i> , 2015, 17, 1179-1204.	1.1	30
28	Profilin 1 is required for peripheral nervous system myelination. <i>Development (Cambridge)</i> , 2014, 141, 1553-1561.	1.2	51
29	Kindlin-1 controls Wnt and TGF- $\beta 2$ availability to regulate cutaneous stem cell proliferation. <i>Nature Medicine</i> , 2014, 20, 350-359.	15.2	112
30	Sorting Nexin 31 Binds Multiple $\beta 2$ Integrin Cytoplasmic Domains and Regulates $\beta 1$ Integrin Surface Levels and Stability. <i>Journal of Molecular Biology</i> , 2014, 426, 3180-3194.	2.0	27
31	Profilin 1 is essential for retention and metabolism of mouse hematopoietic stem cells in bone marrow. <i>Blood</i> , 2014, 123, 992-1001.	0.6	40
32	$\beta 1$ Integrins with Individually Disrupted Cytoplasmic NPxY Motifs Are Embryonic Lethal but Partially Active in the Epidermis. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2722-2731.	0.3	15
33	Induction of membrane circular dorsal ruffles requires co-signalling of integrin-ILK-complex and EGF receptor. <i>Journal of Cell Science</i> , 2012, 125, 435-448.	1.2	48
34	Profilin1 Regulates Sternum Development and Endochondral Bone Formation. <i>Journal of Biological Chemistry</i> , 2012, 287, 33545-33553.	1.6	17
35	Comparative phenotypic analysis of the two major splice isoforms of phosphatidylinositol phosphate kinase type $\beta 3$ <i>in vivo</i> . <i>Journal of Cell Science</i> , 2012, 125, 5636-5646.	1.2	18
36	Preserved Morphology and Physiology of Excitatory Synapses in Profilin1-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e30068.	1.1	22

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37	How ILK and kindlins cooperate to orchestrate integrin signaling. <i>Current Opinion in Cell Biology</i> , 2009, 21, 670-675.	2.6	42
38	Profilin 1 is required for abscission during late cytokinesis of chondrocytes. <i>EMBO Journal</i> , 2009, 28, 1157-1169.	3.5	69
39	Unc5B Interacts with FLRT3 and Rnd1 to Modulate Cell Adhesion in <i>Xenopus</i> Embryos. <i>PLoS ONE</i> , 2009, 4, e5742.	1.1	49