

Suet-Mien Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8316567/publications.pdf>

Version: 2024-02-01

59
papers

1,894
citations

304743

22
h-index

276875

41
g-index

59
all docs

59
docs citations

59
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	ANGPTL4 modulates vascular junction integrity by integrin signaling and disruption of intercellular VE-cadherin and claudin-5 clusters. <i>Blood</i> , 2011, 118, 3990-4002.	1.4	203
2	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. <i>Journal of Experimental Medicine</i> , 2013, 210, 2321-2336.	8.5	190
3	The leucocyte $\beta 2$ (CD18) integrins: the structure, functional regulation and signalling properties. <i>Bioscience Reports</i> , 2012, 32, 241-269.	2.4	140
4	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. <i>Journal of Experimental Medicine</i> , 2016, 213, 2293-2314.	8.5	108
5	Angiopoietin-Like 4 Interacts with Integrins $\beta 1$ and $\beta 5$ to Modulate Keratinocyte Migration. <i>American Journal of Pathology</i> , 2010, 177, 2791-2803.	3.8	105
6	Improvements on the purification of mannan-binding lectin and demonstration of its Ca^{2+} -independent association with a C1s-like serine protease. <i>Biochemical Journal</i> , 1996, 319, 329-332.	3.7	101
7	Effect of Integrin $\beta 2$ Subunit Truncations on LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18) Assembly, Surface Expression, and Function. <i>Journal of Immunology</i> , 2000, 165, 2574-2581.	0.8	64
8	Kindlin-3 Mediates Integrin $\beta 2$ Outside-in Signaling, and It Interacts with Scaffold Protein Receptor for Activated-C Kinase 1 (RACK1). <i>Journal of Biological Chemistry</i> , 2012, 287, 10714-10726.	3.4	63
9	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. <i>Journal of Investigative Dermatology</i> , 2016, 136, 416-424.	0.7	62
10	Epitope Mapping of Monoclonal Antibody to Integrin $\beta 2$ Hybrid Domain Suggests Different Requirements of Affinity States for Intercellular Adhesion Molecules (ICAM)-1 and ICAM-3 Binding. <i>Journal of Biological Chemistry</i> , 2005, 280, 29208-29216.	3.4	45
11	A Structural Hypothesis for the Transition between Bent and Extended Conformations of the Leukocyte $\beta 2$ Integrins. <i>Journal of Biological Chemistry</i> , 2007, 282, 30198-30206.	3.4	43
12	The Crystal Structure of the Plexin-Semaphorin-Integrin Domain/Hybrid Domain/I-EGF1 Segment from the Human Integrin $\beta 2$ Subunit at 1.8-Å... Resolution. <i>Journal of Biological Chemistry</i> , 2005, 280, 30586-30593.	3.4	38
13	Visualizing the Perturbation of Cellular Cyclic di-GMP Levels in Bacterial Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 566-569.	13.7	37
14	Structure of human Rack1 protein at a resolution of 2.45 Å... <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 867-872.	0.7	35
15	Integrin $\beta 2$ Clustering Triggers Phosphorylation and Activation of Protein Kinase C δ that Regulates Transcription Factor Foxp1 Expression in Monocytes. <i>Journal of Immunology</i> , 2010, 184, 3697-3709.	0.8	33
16	Mutation of a Conserved Asparagine in the I-like Domain Promotes Constitutively Active Integrins $\beta 2$ and $\beta 3$. <i>Journal of Biological Chemistry</i> , 2007, 282, 18225-18232.	3.4	31
17	NMR Solution Conformations and Interactions of Integrin $\beta 2$ Cytoplasmic Tails. <i>Journal of Biological Chemistry</i> , 2009, 284, 3873-3884.	3.4	31
18	The Cytosolic Protein Talin Induces an Intermediate Affinity Integrin $\beta 2$. <i>Journal of Biological Chemistry</i> , 2007, 282, 24310-24319.	3.4	30

#	ARTICLE	IF	CITATIONS
19	A Role of Kindlin-3 in Integrin $\alpha 5 \beta 1$ Outside-In Signaling and the Syk-Vav1-Rac1/Cdc42 Signaling Axis. <i>PLoS ONE</i> , 2013, 8, e56911.	2.5	29
20	Structural basis of human full-length kindlin-3 homotrimer in an auto-inhibited state. <i>PLoS Biology</i> , 2020, 18, e3000755.	5.6	26
21	The Integrin $\alpha 5 \beta 1$ Hybrid Domain Serves as a Link for the Propagation of Activation Signal from Its Stalk Regions to the I-like Domain. <i>Journal of Biological Chemistry</i> , 2004, 279, 54334-54339.	3.4	25
22	Intercellular Adhesion Molecule-3 Binding of Integrin $\alpha 5 \beta 1$ Requires Both Extension and Opening of the Integrin Headpiece. <i>Journal of Immunology</i> , 2008, 180, 4793-4804.	0.8	23
23	The N-terminal Region and the Mid-region Complex of the Integrin $\beta 2$ Subunit. <i>Journal of Biological Chemistry</i> , 2001, 276, 36370-36376.	3.4	22
24	Two types of transmembrane homomeric interactions in the integrin receptor family are evolutionarily conserved. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 16-23.	2.6	22
25	Leukocyte integrin $\alpha 5 \beta 1$ transmembrane association dynamics revealed by coarse-grained molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 2203-2213.	2.6	22
26	Urokinase-type Plasminogen Activator Receptor Induces Conformational Changes in the Integrin $\alpha 5 \beta 1$ Headpiece and Reorientation of Its Transmembrane Domains. <i>Journal of Biological Chemistry</i> , 2008, 283, 25392-25403.	3.4	18
27	Disruption of the Integrin $\alpha 5 \beta 1$ Transmembrane Domain Interface by $\beta 2$ Thr-686 Mutation Activates $\alpha 5 \beta 1$ and Promotes Micro-clustering of the $\alpha 5$ Subunits. <i>Journal of Biological Chemistry</i> , 2009, 284, 3239-3249.	3.4	18
28	Structures and Interaction Analyses of Integrin $\alpha 5 \beta 1$ Cytoplasmic Tails*. <i>Journal of Biological Chemistry</i> , 2011, 286, 43842-43854.	3.4	18
29	Defining the repeating elements in the cysteine-rich region (CRR) of the CD18 integrin $\beta 2$ subunit. <i>FEBS Letters</i> , 2001, 505, 27-30.	2.8	17
30	Kindlin-3 interacts with the ribosome and regulates c-Myc expression required for proliferation of chronic myeloid leukemia cells. <i>Scientific Reports</i> , 2016, 5, 18491.	3.3	17
31	Unambiguous prediction of human integrin transmembrane heterodimer interactions using only homologous sequences. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 274-279.	2.6	15
32	Permissive transmembrane helix heterodimerization is required for the expression of a functional integrin. <i>Biochemical Journal</i> , 2008, 410, 495-502.	3.7	15
33	An Alternative Phosphorylation Switch in Integrin $\alpha 5 \beta 1$ (CD18) Tail for Dok1 Binding. <i>Scientific Reports</i> , 2015, 5, 11630.	3.3	15
34	Visualization of bone marrow monocyte mobilization using <i>Cx3cr1gfp/+Flt3L^Δ/Δ</i> reporter mouse by multiphoton intravital microscopy. <i>Journal of Leukocyte Biology</i> , 2015, 97, 611-619.	3.3	15
35	Interaction Analyses of the Integrin $\beta 2$ Cytoplasmic Tail with the F3 FERM Domain of Talin and 14-3-3 η Reveal a Ternary Complex with Phosphorylated Tail. <i>Journal of Molecular Biology</i> , 2016, 428, 4129-4142.	4.2	15
36	Transmembrane helices that form two opposite homodimeric interactions: An asparagine scan study of $\alpha 5$ and $\beta 2$ integrins. <i>Protein Science</i> , 2008, 17, 930-938.	7.6	14

#	ARTICLE	IF	CITATIONS
37	The focal adhesion protein kindlin-2 controls mitotic spindle assembly by inhibiting histone deacetylase 6 and maintaining α -tubulin acetylation. <i>Journal of Biological Chemistry</i> , 2020, 295, 5928-5943.	3.4	14
38	A Transmembrane Polar Interaction Is Involved in the Functional Regulation of Integrin α 5 β 2. <i>Journal of Molecular Biology</i> , 2010, 398, 569-583.	4.2	13
39	Expression of kindlin-3 in melanoma cells impedes cell migration and metastasis. <i>Cell Adhesion and Migration</i> , 2017, 11, 419-433.	2.7	13
40	Emerging evidence for kindlin oligomerization and its role in regulating kindlin function. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	13
41	Selective recruitment of src family kinase Hck by leukocyte integrin α 5 β 2 but not α 5 β 1 or α 5 β 3. <i>FEBS Letters</i> , 2006, 580, 4435-4442.	2.8	12
42	Structure and Binding Interface of the Cytosolic Tails of α 5 β 2 Integrin. <i>PLoS ONE</i> , 2012, 7, e41924.	2.5	12
43	Characterization of single amino acid substitutions in the β 2 integrin subunit of patients with leukocyte adhesion deficiency (LAD)-1. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 177-182.	1.4	12
44	Crystal structure of Gib2, a signal-transducing protein scaffold associated with ribosomes in <i>Cryptococcus neoformans</i> . <i>Scientific Reports</i> , 2015, 5, 8688.	3.3	11
45	NMR Characterization and Membrane Interactions of the Loop Region of Kindlin-3 F1 Subdomain. <i>PLoS ONE</i> , 2016, 11, e0153501.	2.5	11
46	Integrin CD11a cytoplasmic tail interacts with the CD45 membrane-proximal protein tyrosine phosphatase domain 1. <i>Immunology</i> , 2005, 115, 347-357.	4.4	10
47	Down-regulation of integrin α 5 β 2 ligand-binding function by the urokinase-type plasminogen activator receptor. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1184-1193.	2.1	9
48	Interaction Analyses of 14-3-3 η , Dok1, and Phosphorylated Integrin β 2 Cytosolic Tails Reveal a Bi-molecular Switch in Integrin Regulation. <i>Journal of Molecular Biology</i> , 2018, 430, 4419-4430.	4.2	9
49	NMR Structure of Integrin α 4 Cytosolic Tail and Its Interactions with Paxillin. <i>PLoS ONE</i> , 2013, 8, e55184.	2.5	8
50	Differential activation of LFA-1 and Mac-1 ligand binding domains. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 142-148.	2.1	7
51	The binding interface of kindlin-2 and α 5 β 2 involves Asp344/Asp352/Thr356 in kindlin-2 and Arg243/Arg334 in α 5 β 2. <i>FEBS Letters</i> , 2018, 592, 112-121.	2.8	7
52	The Systemic Lupus Erythematosus-Associated Single Nucleotide Polymorphism rs1143678 in Integrin α 5 β 2 Cytosolic Tail Generates a 14-3-3 η Binding Site That Is Proinflammatory. <i>Journal of Immunology</i> , 2017, 198, 883-894.	0.8	6
53	NMR Structure, Dynamics and Interactions of the Integrin β 2 Cytosolic Tail with Filamin Domain IgFLNa21. <i>Scientific Reports</i> , 2018, 8, 5490.	3.3	6
54	KHYG-1 and NK-92 represent different subtypes of LFA-1-mediated NK cell adhesiveness. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 166-178.	1.8	5

#	ARTICLE	IF	CITATIONS
55	Data on cell spread area and directional contraction in human umbilical vein endothelial cells on fibronectin and on collagen type I-coated micro-posts. Data in Brief, 2016, 6, 803-810.	1.0	4
56	Functional and structural characterization of the talin FOF1 domain. Biochemical and Biophysical Research Communications, 2010, 391, 159-165.	2.1	3
57	Binary and ternary complexes of FLNa-Ig21 with cytosolic tails of β 2 integrin reveal dual role of filamin mediated regulation. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 130005.	2.4	2
58	Function and conformation analyses of an aspartate substitution of the invariant glycine in the integrin β 1 domain β 1 helix. Biochemistry and Biophysics Reports, 2016, 7, 214-217.	1.3	1
59	Chapter 13. Cell Surface Integrins. , 2008, , 195-215.		1