Suet-Mien Tan

List of Publications by Year
in descending order

59 papers	1,894 citations	346980 22 h-index	312153 41 g-index
59 all docs	59 docs citations	59 times ranked	3389 citing authors

#	Article	IF	Citations
1	Emerging evidence for kindlin oligomerization and its role in regulating kindlin function. Journal of Cell Science, 2021, 134, .	1.2	13
2	Binary and ternary complexes of FLNa-Ig21 with cytosolic tails of Î±MÃŸ2 integrin reveal dual role of filamin mediated regulation. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 130005.	1.1	2
3	The focal adhesion protein kindlin-2 controls mitotic spindle assembly by inhibiting histone deacetylase 6 and maintaining Î±-tubulin acetylation. Journal of Biological Chemistry, 2020, 295, 5928-5943.	1.6	14
4	Structural basis of human full-length kindlin-3 homotrimer in an auto-inhibited state. PLoS Biology, 2020, 18, e3000755.	2.6	26
5	NMR Structure, Dynamics and Interactions of the Integrin Î²2 Cytoplasmic Tail with Filamin Domain IgFLNa21. Scientific Reports, 2018, 8, 5490.	1.6	6
6	The binding interface of kindlinâ€2 and <scp>ILK</scp> involves Asp344/Asp352/Thr356 in kindlinâ€2 and Arg243/Arg334 in <scp>ILK</scp>. FEBS Letters, 2018, 592, 112-121.	1.3	7
7	Interaction Analyses of 14-3-3Î¶, Dok1, and Phosphorylated Integrin Î² Cytoplasmic Tails Reveal a Bi-molecular Switch in Integrin Regulation. Journal of Molecular Biology, 2018, 430, 4419-4430.	2.0	9
8	The Systemic Lupus Erythematosusâ€"Associated Single Nucleotide Polymorphism rs1143678 in Integrin Î±M Cytoplasmic Tail Generates a 14-3-3Î¶ Binding Site That Is Proinflammatory. Journal of Immunology, 2017, 198, 883-894.	0.4	6
9	Expression of kindlin-3 in melanoma cells impedes cell migration and metastasis. Cell Adhesion and Migration, 2017, 11, 419-433.	1.1	13
10	NMR Characterization and Membrane Interactions of the Loop Region of Kindlin-3 F1 Subdomain. PLoS ONE, 2016, 11, e0153501.	1.1	11
11	Kindlin-3 interacts with the ribosome and regulates c-Myc expression required for proliferation of chronic myeloid leukemia cells. Scientific Reports, 2016, 5, 18491.	1.6	17
12	Interaction Analyses of the Integrin Î²2 Cytoplasmic Tail with the F3 FERM Domain of Talin and 14-3-3Î¶ Reveal a Ternary Complex with Phosphorylated Tail. Journal of Molecular Biology, 2016, 428, 4129-4142.	2.0	15
13	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. Journal of Experimental Medicine, 2016, 213, 2293-2314.	4.2	108
14	Function and conformation analyses of an aspartate substitution of the invariant glycine in the integrin Î²I domain Î±1-Î±1â€² helix. Biochemistry and Biophysics Reports, 2016, 7, 214-217.	0.7	1
15	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.	0.5	4
16	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. Journal of Investigative Dermatology, 2016, 136, 416-424.	0.3	62
17	Crystal structure of Gib2, a signal-transducing protein scaffold associated with ribosomes in Cryptococcus neoformans. Scientific Reports, 2015, 5, 8688.	1.6	11
18	An Alternative Phosphorylation Switch in Integrinâ€‰Î²2 (CD18) Tail for Dok1 Binding. Scientific Reports, 2015, 5, 11630.	1.6	15

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19	Visualization of bone marrow monocyte mobilization using Cx3cr1gfp/+Flt3Lâˆ’/âˆ’ reporter mouse by multiphoton intravital microscopy. Journal of Leukocyte Biology, 2015, 97, 611-619.	1.5	15
20	Characterization of single amino acid substitutions in the Î²2 integrin subunit of patients with leukocyte adhesion deficiency (LAD)-1. Blood Cells, Molecules, and Diseases, 2015, 54, 177-182.	0.6	12
21	Visualizing the Perturbation of Cellular Cyclic di-GMP Levels in Bacterial Cells. Journal of the American Chemical Society, 2013, 135, 566-569.	6.6	37
22	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. Journal of Experimental Medicine, 2013, 210, 2321-2336.	4.2	190
23	NMR Structure of Integrin Î±4 Cytosolic Tail and Its Interactions with Paxillin. PLoS ONE, 2013, 8, e55184.	1.1	8
24	A Role of Kindlin-3 in Integrin Î±MÎ²2 Outside-In Signaling and the Syk-Vav1-Rac1/Cdc42 Signaling Axis. PLoS ONE, 2013, 8, e56911.	1.1	29
25	The leucocyte Î²2 (CD18) integrins: the structure, functional regulation and signalling properties. Bioscience Reports, 2012, 32, 241-269.	1.1	140
26	Kindlin-3 Mediates Integrin Î±LÎ²2 Outside-in Signaling, and It Interacts with Scaffold Protein Receptor for Activated-C Kinase 1 (RACK1). Journal of Biological Chemistry, 2012, 287, 10714-10726.	1.6	63
27	Structure of human Rack1 protein at a resolution of 2.45â€…Ã…. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 867-872.	0.7	35
28	Structure and Binding Interface of the Cytosolic Tails of Î±XÎ²2 Integrin. PLoS ONE, 2012, 7, e41924.	1.1	12
29	KHYG-1 and NK-92 represent different subtypes of LFA-1-mediated NK cell adhesiveness. Frontiers in Bioscience - Elite, 2011, E3, 166-178.	0.9	5
30	ANGPTL4 modulates vascular junction integrity by integrin signaling and disruption of intercellular VE-cadherin and claudin-5 clusters. Blood, 2011, 118, 3990-4002.	0.6	203
31	Leukocyte integrin Î±LÎ²2 transmembrane association dynamics revealed by coarseâ€grained molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2203-2213.	1.5	22
32	Structures and Interaction Analyses of Integrin Î±MÎ²2 Cytoplasmic Tails*. Journal of Biological Chemistry, 2011, 286, 43842-43854.	1.6	18
33	Integrin Î±MÎ²2 Clustering Triggers Phosphorylation and Activation of Protein Kinase CÎ´ that Regulates Transcription Factor Foxp1 Expression in Monocytes. Journal of Immunology, 2010, 184, 3697-3709.	0.4	33
34	A Transmembrane Polar Interaction Is Involved in the Functional Regulation of Integrin Î±LÎ²2. Journal of Molecular Biology, 2010, 398, 569-583.	2.0	13
35	Functional and structural characterization of the talin F0F1 domain. Biochemical and Biophysical Research Communications, 2010, 391, 159-165.	1.0	3
36	Angiopoietin-Like 4 Interacts with Integrins Î²1 and Î²5 to Modulate Keratinocyte Migration. American Journal of Pathology, 2010, 177, 2791-2803.	1.9	105

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37	Disruption of the Integrin Î±LÎ²2 Transmembrane Domain Interface by Î²2 Thr-686 Mutation Activates Î±LÎ²2 and Promotes Micro-clustering of the Î±L Subunits. Journal of Biological Chemistry, 2009, 284, 3239-3249.	1.6	18
38	NMR Solution Conformations and Interactions of Integrin Î±LÎ²2 Cytoplasmic Tails. Journal of Biological Chemistry, 2009, 284, 3873-3884.	1.6	31
39	Transmembrane helices that form two opposite homodimeric interactions: An asparagine scan study of Î±M and Î²2 integrins. Protein Science, 2008, 17, 930-938.	3.1	14
40	Permissive transmembrane helix heterodimerization is required for the expression of a functional integrin. Biochemical Journal, 2008, 410, 495-502.	1.7	15
41	Intercellular Adhesion Molecule-3 Binding of Integrin Î±LÎ²2 Requires Both Extension and Opening of the Integrin Headpiece. Journal of Immunology, 2008, 180, 4793-4804.	0.4	23
42	Urokinase-type Plasminogen Activator Receptor Induces Conformational Changes in the Integrin Î±MÎ²2 Headpiece and Reorientation of Its Transmembrane Domains. Journal of Biological Chemistry, 2008, 283, 25392-25403.	1.6	18
43	Chapter 13. Cell Surface Integrins. , 2008, , 195-215.		1
44	A Structural Hypothesis for the Transition between Bent and Extended Conformations of the Leukocyte Î²2 Integrins. Journal of Biological Chemistry, 2007, 282, 30198-30206.	1.6	43
45	Mutation of a Conserved Asparagine in the I-like Domain Promotes Constitutively Active Integrins Î±LÎ²2 and Î±IIbÎ²3. Journal of Biological Chemistry, 2007, 282, 18225-18232.	1.6	31
46	The Cytosolic Protein Talin Induces an Intermediate Affinity Integrin Î±LÎ²2. Journal of Biological Chemistry, 2007, 282, 24310-24319.	1.6	30
47	Selective recruitment of src family kinase Hck by leukocyte integrin Î±MÎ²2but not Î±LÎ²2or Î±XÎ²2. FEBS Letters, 2006, 580, 4435-4442.	1.3	12
48	Down-regulation of integrin Î±MÎ²2 ligand-binding function by the urokinase-type plasminogen activator receptor. Biochemical and Biophysical Research Communications, 2006, 348, 1184-1193.	1.0	9
49	Two types of transmembrane homomeric interactions in the integrin receptor family are evolutionarily conserved. Proteins: Structure, Function and Bioinformatics, 2006, 63, 16-23.	1.5	22
50	Unambiguous prediction of human integrin transmembrane heterodimer interactions using only homologous sequences. Proteins: Structure, Function and Bioinformatics, 2006, 65, 274-279.	1.5	15
51	Integrin CD11a cytoplasmic tail interacts with the CD45 membrane-proximal protein tyrosine phosphatase domain 1. Immunology, 2005, 115, 347-357.	2.0	10
52	Epitope Mapping of Monoclonal Antibody to Integrin Î±L Î²2 Hybrid Domain Suggests Different Requirements of Affinity States for Intercellular Adhesion Molecules (ICAM)-1 and ICAM-3 Binding. Journal of Biological Chemistry, 2005, 280, 29208-29216.	1.6	45
53	The Crystal Structure of the Plexin-Semaphorin-Integrin Domain/Hybrid Domain/I-EGF1 Segment from the Human Integrin Î²2 Subunit at 1.8-Ã... Resolution. Journal of Biological Chemistry, 2005, 280, 30586-30593.	1.6	38
54	Differential activation of LFA-1 and Mac-1 ligand binding domains. Biochemical and Biophysical Research Communications, 2005, 337, 142-148.	1.0	7

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55	The Integrin Î±LÎ²2 Hybrid Domain Serves as a Link for the Propagation of Activation Signal from Its Stalk Regions to the I-like Domain. Journal of Biological Chemistry, 2004, 279, 54334-54339.	1.6	25
56	Defining the repeating elements in the cysteine-rich region (CRR) of the CD18 integrin Î²2 subunit. FEBS Letters, 2001, 505, 27-30.	1.3	17
57	The N-terminal Region and the Mid-region Complex of the Integrin Î²2 Subunit. Journal of Biological Chemistry, 2001, 276, 36370-36376.	1.6	22
58	Effect of Integrin Î²2 Subunit Truncations on LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18) Assembly, Surface Expression, and Function. Journal of Immunology, 2000, 165, 2574-2581.	0.4	64
59	Improvements on the purification of mannan-binding lectin and demonstration of its Ca2+-independent association with a C1s-like serine protease. Biochemical Journal, 1996, 319, 329-332.	1.7	101