Bing-Hao Luo

List of Publications by Year in descending order

30 papers	3,381 citations	516710 16 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	3462 citing authors

#	Article	IF	Citations
1	Effects of the association of the Î± v Î² 8 lower legs on integrin ligand binding. Journal of Cellular Biochemistry, 2021, 122, 801-813.	2.6	2
2	Atypical structure and function of integrin Î±_VÎ²₈. Journal of Cellular Physiology, 2021, 236, 4874-4887.	4.1	8
3	The interface between the EGF1 and EGF2 domains is critical in integrin affinity regulation. Journal of Cellular Biochemistry, 2018, 119, 7264-7273.	2.6	6
4	Integrin Î±_vÎ²₈Adopts a High Affinity State for Soluble Ligands Under Physiological Conditions. Journal of Cellular Biochemistry, 2017, 118, 2044-2052.	2.6	5
5	Structural basis of antifreeze activity of a bacterial multi-domain antifreeze protein. PLoS ONE, 2017, 12, e0187169.	2.5	14
6	Functional Analysis of a Bacterial Antifreeze Protein Indicates a Cooperative Effect between Its Two Ice-Binding Domains. Biochemistry, 2016, 55, 3975-3983.	2.5	10
7	Integrin Î±IIbÎ²3 Transmembrane Domain Separation Mediates Bi-Directional Signaling across the Plasma Membrane. PLoS ONE, 2015, 10, e0116208.	2.5	11
8	Recrystallization inhibition in ice due to ice binding protein activity detected by nuclear magnetic resonance. Biotechnology Reports (Amsterdam, Netherlands), 2014, 3, 60-64.	4.4	9
9	Integrin biâ€directional signaling across the plasma membrane. Journal of Cellular Physiology, 2013, 228, 306-312.	4.1	102
10	Variation in One Residue Associated with the Metal Ion-Dependent Adhesion Site Regulates Î±IIbÎ²3 Integrin Ligand Binding Affinity. PLoS ONE, 2013, 8, e76793.	2.5	3
11	Î±_VÎ²₃ Integrin Crystal Structures and Their Functional Implications. Biochemistry, 2012, 51, 8814-8828.	2.5	66
12	Mutagenesis studies of the Î² I domain metal ion binding sites on integrin Î±VÎ²3 ligand binding affinity. Journal of Cellular Biochemistry, 2012, 113, 1190-1197.	2.6	8
13	Regulation of Integrin Î±IIbÎ²3 Ligand Binding and Signaling by the Metal Ion Binding Sites in the Î² I Domain. Biochemistry, 2011, 50, 2084-2091.	2.5	15
14	Effects of the Association between the Î±-Subunit Thigh and the Î²-Subunit EGF2 Domains on Integrin Activation and Signaling. Biochemistry, 2011, 50, 9264-9272.	2.5	5
15	Tests of Integrin Transmembrane Domain Homo-oligomerization during Integrin Ligand Binding and Signaling. Journal of Biological Chemistry, 2011, 286, 1860-1867.	3.4	18
16	Structural basis of integrin transmembrane activation. Journal of Cellular Biochemistry, 2010, 109, 447-452.	2.6	36
17	Dissociation of the Î±-Subunit Calf-2 Domain and the Î²-Subunit I-EGF4 Domain in Integrin Activation and Signaling. Biochemistry, 2010, 49, 10158-10165.	2.5	15
18	Rationally Designed Integrin Î²3 Mutants Stabilized in the High Affinity Conformation. Journal of Biological Chemistry, 2009, 284, 3917-3924.	3.4	35

#	Article	IF	Citations
19	The Structure of a Receptor with Two Associating Transmembrane Domains on the Cell Surface: Integrin Î±IIbÎ²3. Molecular Cell, 2009, 34, 234-249.	9.7	142
20	Structure of a Complete Integrin Ectodomain in a Physiologic Resting State and Activation and Deactivation by Applied Forces. Molecular Cell, 2008, 32, 849-861.	9.7	429
21	Requirement of Î± and Î² subunit transmembrane helix separation for integrin outside-in signaling. Blood, 2007, 110, 2475-2483.	1.4	108
22	Structural Basis of Integrin Regulation and Signaling. Annual Review of Immunology, 2007, 25, 619-647.	21.8	1,438
23	Integrin structures and conformational signaling. Current Opinion in Cell Biology, 2006, 18, 579-586.	5.4	252
24	Disrupting integrin transmembrane domain heterodimerization increases ligand binding affinity, not valency or clustering. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3679-3684.	7.1	136
25	Locking the Î²3 Integrin I-like Domain into High and Low Affinity Conformations with Disulfides. Journal of Biological Chemistry, 2004, 279, 10215-10221.	3.4	84
26	Allosteric Î²1 Integrin Antibodies That Stabilize the Low Affinity State by Preventing the Swing-out of the Hybrid Domain. Journal of Biological Chemistry, 2004, 279, 27466-27471.	3.4	67
27	A Specific Interface between Integrin Transmembrane Helices and Affinity for Ligand. PLoS Biology, 2004, 2, e153.	5.6	162
28	The Relative Influence of Metal Ion Binding Sites in the I-like Domain and the Interface with the Hybrid Domain on Rolling and Firm Adhesion by Integrin Î±4Î²7. Journal of Biological Chemistry, 2004, 279, 55556-55561.	3.4	43
29	High Affinity Ligand Binding by Integrins Does Not Involve Head Separation. Journal of Biological Chemistry, 2003, 278, 17185-17189.	3.4	13
30	Stabilizing the open conformation of the integrin headpiece with a glycan wedge increases affinity for ligand. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2403-2408.	7.1	139