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	Structural Basis of Integrin Regulation and Signaling. Annual Review of Immunology, 2007, 25, 619-647.	21.8	1,438
2	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
3	Integrin structures and conformational signaling. Current Opinion in Cell Biology, 2006, 18, 579-586.	5.4	252
4	A Specific Interface between Integrin Transmembrane Helices and Affinity for Ligand. PLoS Biology, 2004, 2, e153.	5.6	162
5	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
6	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
7	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
8	Requirement of Î± and Î² subunit transmembrane helix separation for integrin outside-in signaling. Blood, 2007, 110, 2475-2483.	1.4	108
9	Integrin biâ€directional signaling across the plasma membrane. Journal of Cellular Physiology, 2013, 228, 306-312.	4.1	102
10	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
11	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
12	Î±_VÎ²₃ Integrin Crystal Structures and Their Functional Implications. Biochemistry, 2012, 51, 8814-8828.	2.5	66
13	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
14	Structural basis of integrin transmembrane activation. Journal of Cellular Biochemistry, 2010, 109, 447-452.	2.6	36
15	Rationally Designed Integrin Î²3 Mutants Stabilized in the High Affinity Conformation. Journal of Biological Chemistry, 2009, 284, 3917-3924.	3.4	35
16	Tests of Integrin Transmembrane Domain Homo-oligomerization during Integrin Ligand Binding and Signaling. Journal of Biological Chemistry, 2011, 286, 1860-1867.	3.4	18
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	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

#	Article	IF	Citations
19	Structural basis of antifreeze activity of a bacterial multi-domain antifreeze protein. PLoS ONE, 2017, 12, e0187169.	2.5	14
20	High Affinity Ligand Binding by Integrins Does Not Involve Head Separation. Journal of Biological Chemistry, 2003, 278, 17185-17189.	3.4	13
21	Integrin Î±IIbÎ²3 Transmembrane Domain Separation Mediates Bi-Directional Signaling across the Plasma Membrane. PLoS ONE, 2015, 10, e0116208.	2.5	11
22	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
23	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
24	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
25	Atypical structure and function of integrin Î±_VÎ²₈. Journal of Cellular Physiology, 2021, 236, 4874-4887.	4.1	8
26	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
27	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
28	Integrin Î±_vÎ²₈Adopts a High Affinity State for Soluble Ligands Under Physiological Conditions. Journal of Cellular Biochemistry, 2017, 118, 2044-2052.	2.6	5
29	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
30	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