M Amin Arnaout

List of Publications by Year
in descending order

41 papers	5,856 citations	218677 26 h-index	276875 41 g-index
75 all docs	75 docs citations	75 times ranked	5077 citing authors

#	Article	IF	Citations
1	Conformational Dynamics in Extended RGD-Containing Peptides. Biomacromolecules, 2020, 21, 2786-2794.	5.4	7
2	Structure-guided design of pure orthosteric inhibitors of Î±IIbÎ²3 that prevent thrombosis but preserve hemostasis. Nature Communications, 2020, 11, 398.	12.8	27
3	Novel Pure Î±VÎ²3 Integrin Antagonists That Do Not Induce Receptor Extension, Prime the Receptor, or Enhance Angiogenesis at Low Concentrations. ACS Pharmacology and Translational Science, 2019, 2, 387-401.	4.9	21
4	Structural Basis of the Differential Binding of Engineered Knottins to Integrins Î±VÎ²3 and Î±5Î²1. Structure, 2019, 27, 1443-1451.e6.	3.3	12
5	High-Affinity Bent Î²2-Integrin Molecules in Arresting Neutrophils Face Each Other through Binding to ICAMs In cis. Cell Reports, 2019, 26, 119-130.e5.	6.4	46
6	uPAR isoform 2 forms a dimer and induces severe kidney disease in mice. Journal of Clinical Investigation, 2019, 129, 1946-1959.	8.2	48
7	Prophylactic orthosteric inhibition of leukocyte integrin CD11b/CD18 prevents long-term fibrotic kidney failure in cynomolgus monkeys. Nature Communications, 2017, 8, 13899.	12.8	22
8	Biology and structure of leukocyte Î²2 integrins and their role in inflammation. F1000Research, 2016, 5, 2433.	1.6	65
9	Talin1 is required for cardiac Zâ€disk stabilization and endothelial integrity in zebrafish. FASEB Journal, 2015, 29, 4989-5005.	0.5	25
10	The transcriptional coactivator Taz regulates proximodistal patterning of the pronephric tubule in zebrafish. Mechanisms of Development, 2015, 138, 328-335.	1.7	6
11	Negative Regulation of TGFÎ² Signaling by Stem Cell Antigen-1 Protects against Ischemic Acute Kidney Injury. PLoS ONE, 2015, 10, e0129561.	2.5	15
12	Collective Epithelial Migration Drives Kidney Repair after Acute Injury. PLoS ONE, 2014, 9, e101304.	2.5	33
13	Structural basis for pure antagonism of integrin Î±VÎ²3 by a high-affinity form of fibronectin. Nature Structural and Molecular Biology, 2014, 21, 383-388.	8.2	104
14	Structure of the Kidney Slit Diaphragm Adapter Protein CD2-Associated Protein as Determined with Electron Microscopy. Journal of the American Society of Nephrology: JASN, 2014, 25, 1465-1473.	6.1	4
15	Atomic Basis for the Species-specific Inhibition of Î±V Integrins by Monoclonal Antibody 17E6 Is Revealed by the Crystal Structure of Î±VÎ²3 Ectodomain-17E6 Fab Complex. Journal of Biological Chemistry, 2014, 289, 13801-13809.	3.4	32
16	The Î±-Subunit Regulates Stability of the Metal Ion at the Ligand-associated Metal Ion-binding Site in Î²3 Integrins. Journal of Biological Chemistry, 2014, 289, 23256-23263.	3.4	7
17	EM Structure of the Ectodomain of Integrin CD11b/CD18 and Localization of Its Ligand-Binding Site Relative to the Plasma Membrane. PLoS ONE, 2013, 8, e57951.	2.5	11
18	Stable Coordination of the Inhibitory Ca2+ Ion at the Metal Ion-Dependent Adhesion Site in Integrin CD11b/CD18 by an Antibody-Derived Ligand Aspartate: Implications for Integrin Regulation and Structure-Based Drug Design. Journal of Immunology, 2011, 187, 6393-6401.	0.8	30

#	Article	IF	Citations
19	Crystal structure of the complete integrin Î±VÎ²3 ectodomain plus an Î±/Î² transmembrane fragment. Journal of Cell Biology, 2009, 186, 589-600.	5.2	163
20	The Î²-tail domain (Î²TD) regulates physiologic ligand binding to integrin CD11b/CD18. Blood, 2007, 109, 3513-3520.	1.4	46
21	Structure and mechanics of integrin-based cell adhesion. Current Opinion in Cell Biology, 2007, 19, 495-507.	5.4	368
22	Differential Role of the Transcription Factor ZBP-89 in Hemangioblast Fate Determination: ZBP-89 Is a Direct Regulator of SCL.. Blood, 2007, 110, 1253-1253.	1.4	0
23	The Transcription Factor ZBP-89 Controls Generation of the Hematopoietic Lineage in Zebrafish and Mouse Embryonic Stem Cells.. Blood, 2006, 108, 441-441.	1.4	20
24	Three-dimensional EM structure of the ectodomain of integrin Î±VÎ²3 in a complex with fibronectin. Journal of Cell Biology, 2005, 168, 1109-1118.	5.2	166
25	A Novel Adaptation of the Integrin PSI Domain Revealed from Its Crystal Structure. Journal of Biological Chemistry, 2004, 279, 40252-40254.	3.4	84
26	New insights into the structural basis of integrin activation. Blood, 2003, 102, 1155-1159.	1.4	170
27	Does the Integrin Î±A Domain Act as a Ligand for its Î²A Domain?. Current Biology, 2002, 12, R340-R342.	3.9	96
28	Coming to grips with integrin binding to ligands. Current Opinion in Cell Biology, 2002, 14, 641-652.	5.4	172
29	Crystal Structure of the Extracellular Segment of Integrin Î±VÎ²3 in Complex with an Arg-Gly-Asp Ligand. Science, 2002, 296, 151-155.	12.6	1,529
30	Molecular Genetics and Pathogenesis of Autosomal Dominant Polycystic Kidney Disease. Annual Review of Medicine, 2001, 52, 93-123.	12.2	105
31	Crystal Structure of the Extracellular Segment of Integrin Î±VÎ²3. Science, 2001, 294, 339-345.	12.6	1,202
32	An Isoleucine-based Allosteric Switch Controls Affinity and Shape Shifting in Integrin CD11b A-domain. Journal of Biological Chemistry, 2000, 275, 38762-38767.	3.4	136
33	CD43 gene expression is mediated by a nuclear factor which binds pyrimidine-rich single-stranded DNA. Nucleic Acids Research, 2000, 28, 2256-2267.	14.5	13
34	Two Functional States of the CD11b A-Domain: Correlations with Key Features of Two Mn2+-complexed Crystal Structures. Journal of Cell Biology, 1998, 143, 1523-1534.	5.2	129
35	Antineutrophil cytoplasmic autoantibodyâ€"associated vasculitis presenting as sjÃ¶gren's syndrome. Arthritis and Rheumatism, 1992, 35, 1373-1376.	6.7	20
36	Leukocyte Adhesion Molecules Deficiency: Its Structural Basis, Pathophysiology and Implications for Modulating the Inflammatory Response. Immunological Reviews, 1990, 114, 145-180.	6.0	294

#	Article	IF	Citations
37	Relative contribution of the leukocyte molecules MO1, LFA-1, and p150,95 (LeuM5) in adhesion of granulocytes and monocytes to vascular endothelium is tissue- and stimulus-specific. Journal of Cellular Physiology, 1988, 137, 305-309.	4.1	166
38	LFA-1 Î²-chain synthesis and degradation in patients with leukocyte-adhesive proteins deficiency. European Journal of Immunology, 1987, 17, 417-419.	2.9	38
39	pl50/95, Third member of the LFA-1/CR3 polypeptide family identified by anti-Leu M5 monoclonal antibody. European Journal of Immunology, 1985, 15, 713-718.	2.9	143
40	Role of human factor I and C3b receptor in the cleavage of surface-bound C3bi molecules. European Journal of Immunology, 1983, 13, 465-470.	2.9	97
41	Deficiency of a Granulocyte-Membrane Glycoprotein (gp150) in a Boy with Recurrent Bacterial Infections. New England Journal of Medicine, 1982, 306, 693-699.	27.0	183