Joel S Bennett

List of Publications by Year
in descending order

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50 papers	1,428 citations	471509 17 h-index	414414 32 g-index
54 all docs	54 docs citations	54 times ranked	1778 citing authors

#	Article	IF	Citations
1	Structure and function of the platelet integrin ÂIIbÂ3. Journal of Clinical Investigation, 2005, 115, 3363-3369.	8.2	300
2	Computational Design of Peptides That Target Transmembrane Helices. Science, 2007, 315, 1817-1822.	12.6	271
3	Plateletâ€Fibrinogen Interactions. Annals of the New York Academy of Sciences, 2001, 936, 340-354.	3.8	138
4	A push-pull mechanism for regulating integrin function. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1424-1429.	7.1	118
5	Agonist-activated Î±vÎ¼3 on Platelets and Lymphocytes Binds to the Matrix Protein Osteopontin. Journal of Biological Chemistry, 1997, 272, 8137-8140.	3.4	100
6	Novel Platelet Inhibitors. Annual Review of Medicine, 2001, 52, 161-184.	12.2	100
7	Computationally Designed Peptide Inhibitors of Proteinâ^'Protein Interactions in Membranes. Biochemistry, 2008, 47, 8600-8606.	2.5	61
8	Resolving Two-dimensional Kinetics of the Integrin Î±IIbÎ²3-Fibrinogen Interactions Using Binding-Unbinding Correlation Spectroscopy. Journal of Biological Chemistry, 2012, 287, 35275-35285.	3.4	36
9	Regulation of integrins in platelets. Biopolymers, 2015, 104, 323-333.	2.4	36
10	Inherited Platelet Î´-Storage Pool Disease in Dogs Causing Severe Bleeding: An Animal Model for a Specific ADP Deficiency. Thrombosis and Haemostasis, 1995, 74, 949-953.	3.4	35
11	Strong Binding of Platelet Integrin Î±IIbÎ²3 to Fibrin Clots: Potential Target to Destabilize Thrombi. Scientific Reports, 2017, 7, 13001.	3.3	27
12	Directly Activating the Integrin Î±IIbÎ²3 Initiates Outside-In Signaling by Causing Î±IIbÎ²3 Clustering. Journal of Biological Chemistry, 2016, 291, 11706-11716.	3.4	26
13	The Tyrosine Kinase c-Src Specifically Binds to the Active Integrin Î±IIbÎ²3 to Initiate Outside-in Signaling in Platelets. Journal of Biological Chemistry, 2015, 290, 15825-15834.	3.4	25
14	Quantitative Analysis of Platelet Î±vÎ²3 Binding to Osteopontin Using Laser Tweezers. Journal of Biological Chemistry, 2003, 278, 51285-51290.	3.4	22
15	Activation of Individual Î±IIbÎ²3 Integrin Molecules by Disruption of Transmembrane Domain Interactions in the Absence of Clustering. Biochemistry, 2006, 45, 4957-4964.	2.5	21
16	Specificity for Homooligomer versus Heterooligomer Formation in Integrin Transmembrane Helices. Journal of Molecular Biology, 2010, 401, 882-891.	4.2	21
17	Identification of Interacting Hot Spots in the Î²3 Integrin Stalk Using Comprehensive Interface Design. Journal of Biological Chemistry, 2010, 285, 38658-38665.	3.4	18
18	De novo designed transmembrane peptides activating the Î±5Î²1 integrin. Protein Engineering, Design and Selection, 2018, 31, 181-190.	2.1	14

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19	Cleavage of talin by calpain promotes platelet-mediated fibrin clot contraction. Blood Advances, 2021, 5, 4901-4909.	5.2	8
20	Shedding New Light on the Platelet Storage Lesion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1715-1716.	2.4	7
21	Unique transmembrane domain interactions differentially modulate integrin Î±vÎ²3 and Î±IIbÎ²3 function. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12295-12300.	7.1	7
22	Regulation of the Function of Î±vÎ²3 in Platelets by a Designed Peptide Targeting the Î±v Transmembrane Domain.. Blood, 2006, 108, 1504-1504.	1.4	7
23	Modulating Integrin Î±IIbÎ²3 Activity through Mutagenesis of Allosterically Regulated Intersubunit Contacts. Biochemistry, 2019, 58, 3251-3259.	2.5	6
24	Acquired platelet function defects. , 2002, , 689-706.		4
25	Activation of Platelet Î± IibÎ² 3 by Exogenous Peptides Corresponding to the Transmembrane Domains of Î± Iib and Î² 3.. Blood, 2005, 106, 384-384.	1.4	4
26	Outside-in: peptide versus integrin. Blood, 2008, 112, 453-454.	1.4	3
27	A novel role for endoplasmic reticulum protein 46 (ERp46) in platelet function and arterial thrombosis in mice. Blood, 2022, 139, 2050-2065.	1.4	3
28	Blood orchestrates a leukocyte integrin trio. Blood, 2007, 109, 3137-3138.	1.4	2
29	Visualization of Platelet Integrins via Two-Photon Microscopy Using Anti-transmembrane Domain Peptides Containing a Blue Fluorescent Amino Acid. Biochemistry, 2021, 60, 1722-1730.	2.5	2
30	Time-Dependent Single-Molecule Interactions of the Platelet Integrin Î±IIbÎ²3 with Cyclic Arg-Gly-Asp and the Fibrin(ogen) Î³C-Dodecapeptide. Blood, 2010, 116, 2103-2103.	1.4	2
31	Fibrinogen is necessary for platelet function in vivo after all. Blood, 2003, 102, 3461-3461.	1.4	1
32	Â¿Como se LLAMA?. Blood, 2011, 118, 487-488.	1.4	1
33	Are Antiplatelet Agents Beneficial in Essential Thrombocythemia? Maybe Yes, Probably No. Annals of Internal Medicine, 2017, 167, 206.	3.9	1
34	The Development of Small Molecule Inhibitors of Collagen Binding to the Integrin Î±2Î²1 as Antithrombotic Drugs.. Blood, 2005, 106, 3677-3677.	1.4	0
35	Two Specific Domains on the Upper Surface of the Î±Iib Î² Propeller Determine the Sensitivity of Î±IibÎ²3 for RGD-Containing Peptides.. Blood, 2005, 106, 2653-2653.	1.4	0
36	Computational Design of a Model for the Platelet Integrin Î±IIbÎ²3.. Blood, 2006, 108, 1528-1528.	1.4	0

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37	The Design and Synthesis of Small Molecule Inhibitors of Collagen Binding to Integrin Î±2Î²1 as Antithrombotic Agents.. Blood, 2007, 110, 306-306.	1.4	0
38	Identification of Oligomerization Motifs in the Î²3 Transmembrane Domain.. Blood, 2007, 110, 416-416.	1.4	0
39	Measurement of the Lifetime of Bonds Between Î±IIbÎ²3 and Fibrinogen Using Constant Unbinding Forces Generated by Optical Tweezers. Blood, 2008, 112, 254-254.	1.4	0
40	Interaction of the Integrin Î±IIbÎ²3 with Monomeric Fibrin at the Single-Molecule Level.. Blood, 2009, 114, 4018-4018.	1.4	0
41	Specific Thrombophilia Work-Up Approach. , 2010, 7, .		0
42	The PLATELET INTEGRIN Î±IIbÎ²3 CHANGES FROM A LOWER- to A Higher-AFFINITY STATE DURING INTERACTION with FIBRINOGEN. Blood, 2011, 118, 1130-1130.	1.4	0
43	Analysis of Î²3 Binding to the c-Src SH3 Domain. Blood, 2012, 120, 383-383.	1.4	0
44	Integrin Î±IIbÎ²3-Mediated c-Src Activation: Differential Binding to Inactive and Active c-Src. Blood, 2014, 124, 4158-4158.	1.4	0
45	The Platelet Integrin alphaIIbbeta3 Differentially Interacts with Fibrin and Fibrinogen. Blood, 2015, 126, 3444-3444.	1.4	0
46	Characterization of the Interactions of Arg-Gly-Asp- and Ala-Gly-Asp-Val-Containing Peptides with the Platelet Integrin Î±IIbÎ²3. Blood, 2016, 128, 1350-1350.	1.4	0
47	Identification of Interacting Hot Spots in the Î±IIb Extracellular Stalk By Computational Alanine Scanning. Blood, 2016, 128, 2531-2531.	1.4	0
48	Active Calpain Promotes Fibrin Clot Contraction By Strengthening the Coupling of Fibrin-Bound Î±IIbÎ²3 to the Platelet Cytoskeleton. Blood, 2018, 132, 1128-1128.	1.4	0
49	Direct Visualization of Platelet Integrins Using ANTI-Transmembrane Domain Peptides Containing a BLUE Fluorescent Amino Acid. Blood, 2019, 134, 2344-2344.	1.4	0
50	Utilizing CRISPR-CAS9 Gene Editing Technology in Human Pluripotent Stem Cells to Study Platelet Integrin Î±IIbÎ²3 Function. Blood, 2020, 136, 3-3.	1.4	0