

Sanford J Shattil

List of Publications by Year in descending order

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71
papers

10,239
citations

50276

46
h-index

106344

65
g-index

73
all docs

73
docs citations

73
times ranked

8544
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet SHARPIN regulates platelet adhesion and inflammatory responses through associations with $\alpha\text{IIb}\beta\text{3}$ and LUBAC. <i>Blood Advances</i> , 2022, 6, 2595-2607.	5.2	3
2	Optogenetics-based localization of talin to the plasma membrane promotes activation of β3 integrins. <i>Journal of Biological Chemistry</i> , 2021, 296, 100675.	3.4	5
3	Genetic Instruction of Megakaryocytes and Platelets Derived from Human Induced Pluripotent Stem Cells for Studies of Integrin Regulation. <i>Methods in Molecular Biology</i> , 2021, 2217, 237-249.	0.9	1
4	Underlying Immune Disorder May Predispose Some Transthyretin Amyloidosis Subjects to Inotersen-Mediated Thrombocytopenia. <i>Nucleic Acid Therapeutics</i> , 2020, 30, 94-103.	3.6	22
5	SHARPIN at the nexus of integrin, immune, and inflammatory signaling in human platelets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4983-4988.	7.1	23
6	uPAR isoform 2 forms a dimer and induces severe kidney disease in mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 1946-1959.	8.2	48
7	Rap1 binding to the talin 1 FO domain makes a minimal contribution to murine platelet GPIIb-IIIa activation. <i>Blood Advances</i> , 2018, 2, 2358-2368.	5.2	30
8	Regulation of Platelet Adhesion Receptors. , 2017, , 69-84.		5
9	Optogenetic interrogation of integrin $\alpha\text{V}\beta\text{3}$ function in endothelial cells. <i>Journal of Cell Science</i> , 2017, 130, 3532-3541.	2.0	17
10	Integrin-based therapeutics: biological basis, clinical use and new drugs. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 173-183.	46.4	324
11	Interaction of kindlin-2 with integrin β3 promotes outside-in signaling responses by the $\alpha\text{V}\beta\text{3}$ vitronectin receptor. <i>Blood</i> , 2015, 125, 1995-2004.	1.4	32
12	C-terminal COOH of Integrin β1 Is Necessary for β1 Association with the Kindlin-2 Adapter Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 11183-11193.	3.4	10
13	Integrin $\alpha\text{V}\beta\text{3}$ Drives Slug Activation and Stemness in the Pregnant and Neoplastic Mammary Gland. <i>Developmental Cell</i> , 2014, 30, 295-308.	7.0	80
14	The Classical Lancefield Antigen of Group A Streptococcus Is a Virulence Determinant with Implications for Vaccine Design. <i>Cell Host and Microbe</i> , 2014, 15, 729-740.	11.0	121
15	ADAP interactions with talin and kindlin promote platelet integrin $\alpha\text{IIb}\beta\text{3}$ activation and stable fibrinogen binding. <i>Blood</i> , 2014, 123, 3156-3165.	1.4	66
16	The Mechanism of Kindlin-Mediated Activation of Integrin $\alpha\text{IIb}\beta\text{3}$. <i>Current Biology</i> , 2013, 23, 2288-2295.	3.9	131
17	Kindlins, Integrin Activation and the Regulation of Talin Recruitment to $\alpha\text{IIb}\beta\text{3}$. <i>PLoS ONE</i> , 2012, 7, e34056.	2.5	49
18	The Primacy of β1 Integrin Activation in the Metastatic Cascade. <i>PLoS ONE</i> , 2012, 7, e46576.	2.5	61

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19	Kindlin-2 regulates podocyte adhesion and fibronectin matrix deposition through interactions with phosphoinositides and integrins. <i>Journal of Cell Science</i> , 2011, 124, 879-891.	2.0	92
20	ADAPtation of Platelet Integrin α IIb β 3 to Inside-Out Activation Signals. <i>Blood</i> , 2011, 118, 188-188.	1.4	0
21	Role for ADAP in shear flow-induced platelet mechanotransduction. <i>Blood</i> , 2010, 115, 2274-2282.	1.4	45
22	The final steps of integrin activation: the end game. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 288-300.	37.0	888
23	Cyclic GMP and Protein Kinase G Control a Src-Containing Mechanosome in Osteoblasts. <i>Science Signaling</i> , 2010, 3, ra91.	3.6	80
24	An integrin α v β 3-c-Src oncogenic unit promotes anchorage-independence and tumor progression. <i>Nature Medicine</i> , 2009, 15, 1163-1169.	30.7	250
25	Group IVA cytosolic phospholipase A2 (cPLA2 α) and integrin α IIb β 3 reinforce each other's functions during α IIb β 3 signaling in platelets. <i>Blood</i> , 2009, 113, 447-457.	1.4	23
26	Antithrombotic effects of targeting α IIb β 3 signaling in platelets. <i>Blood</i> , 2009, 113, 3585-3592.	1.4	52
27	Mechanisms and consequences of agonist-induced talin recruitment to platelet integrin α IIb β 3. <i>Journal of Cell Biology</i> , 2008, 181, 1211-1222.	5.2	145
28	Differences in Regulation of <i>Drosophila</i> and Vertebrate Integrin Affinity by Talin. <i>Molecular Biology of the Cell</i> , 2008, 19, 3589-3598.	2.1	26
29	The GPIIb/IIIa (integrin α IIb β 3) odyssey: a technology-driven saga of a receptor with twists, turns, and even a bend. <i>Blood</i> , 2008, 112, 3011-3025.	1.4	310
30	ADAP is required for normal α IIb β 3 activation by VWF/GP Ib-IX-V and other agonists. <i>Blood</i> , 2007, 109, 1018-1025.	1.4	59
31	Outside-In Signaling by Integrin α IIb β 3. , 2007, , 347-357.		3
32	The zebrafish vitronectin receptor: Characterization of integrin α v β 3 and α v β 3 expression patterns in early vertebrate development. <i>Developmental Dynamics</i> , 2007, 236, 2268-2276.	1.8	23
33	Platelet integrins and immunoreceptors. <i>Immunological Reviews</i> , 2007, 218, 247-264.	6.0	123
34	The antithrombotic potential of selective blockade of talin-dependent integrin α IIb β 3 (platelet GPIIb β 3) activation. <i>Journal of Clinical Investigation</i> , 2007, 117, 2250-2259.	8.2	115
35	Cytosolic Phospholipase A2 α (cPLA2 α) Functions at the Nexus of Bidirectional Integrin Signaling in Platelets.. <i>Blood</i> , 2007, 110, 136-136.	1.4	2
36	Reconstructing and Deconstructing Agonist-Induced Activation of Integrin α IIb β 3. <i>Current Biology</i> , 2006, 16, 1796-1806.	3.9	419

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37	Matrix-specific Suppression of Integrin Activation in Shear Stress Signaling. <i>Molecular Biology of the Cell</i> , 2006, 17, 4686-4697.	2.1	139
38	Evidence for the Requirement of ITAM Domains but Not SLP-76/Gads Interaction for Integrin Signaling in Hematopoietic Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 6936-6949.	2.3	84
39	Integrin regulation. <i>Current Opinion in Cell Biology</i> , 2005, 17, 509-516.	5.4	421
40	Integrins and Src: dynamic duo of adhesion signaling. <i>Trends in Cell Biology</i> , 2005, 15, 399-403.	7.9	116
41	Specification of the Direction of Adhesive Signaling by the Integrin β^2 Cytoplasmic Domain. <i>Journal of Biological Chemistry</i> , 2005, 280, 29699-29707.	3.4	91
42	PTP-1B is an essential positive regulator of platelet integrin signaling. <i>Journal of Cell Biology</i> , 2005, 170, 837-845.	5.2	101
43	Regulation of Outside-in Signaling in Platelets by Integrin-associated Protein Kinase $C\dot{I}^2$. <i>Journal of Biological Chemistry</i> , 2005, 280, 644-653.	3.4	109
44	Megakaryocytes Derived from Human Embryonic Stem Cells: A Genetically Tractable System To Study Megakaryocytopoiesis and Integrin Function. <i>Blood</i> , 2005, 106, 1642-1642.	1.4	0
45	Protein-Protein Interactions in Platelet $\alpha\text{IIb}\beta^3$ Signaling. <i>Seminars in Thrombosis and Hemostasis</i> , 2004, 30, 427-439.	2.7	15
46	Proximal, selective, and dynamic interactions between integrin $\alpha\text{IIb}\beta^3$ and protein tyrosine kinases in living cells. <i>Journal of Cell Biology</i> , 2004, 165, 305-311.	5.2	69
47	Integrins: dynamic scaffolds for adhesion and signaling in platelets. <i>Blood</i> , 2004, 104, 1606-1615.	1.4	492
48	Signaling through GP Ib-IX-V activates $\alpha\text{IIb}\beta^3$ independently of other receptors. <i>Blood</i> , 2004, 103, 3403-3411.	1.4	170
49	Talin Binding to Integrin β Tails: A Final Common Step in Integrin Activation. <i>Science</i> , 2003, 302, 103-106.	12.6	1,079
50	Src kinase activation by direct interaction with the integrin β cytoplasmic domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13298-13302.	7.1	487
51	Detection of Integrin $\alpha\text{IIb}\beta^3$ Clustering in Living Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 15217-15224.	3.4	73
52	Relationships between Rap1b, Affinity Modulation of Integrin $\alpha\text{IIb}\beta^3$, and the Actin Cytoskeleton. <i>Journal of Biological Chemistry</i> , 2002, 277, 25715-25721.	3.4	165
53	Megakaryocytes derived from embryonic stem cells implicate CalDAG-GEFI in integrin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12819-12824.	7.1	189
54	Coordinate interactions of Csk, Src, and Syk kinases with $\alpha\text{IIb}\beta^3$ initiate integrin signaling to the cytoskeleton. <i>Journal of Cell Biology</i> , 2002, 157, 265-275.	5.2	382

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55	Differential Requirement for LAT and SLP-76 in GPVI versus T Cell Receptor Signaling. <i>Journal of Experimental Medicine</i> , 2002, 195, 705-717.	8.5	91
56	The N-terminal SH2 Domains of Syk and ZAP-70 Mediate Phosphotyrosine-independent Binding to Integrin β_2 Cytoplasmic Domains. <i>Journal of Biological Chemistry</i> , 2002, 277, 39401-39408.	3.4	110
57	Platelet membrane proteins as adhesion receptors. , 2002, , 80-92.		10
58	Ligand binding to integrin $\alpha_v\beta_3$ requires tyrosine 178 in the α_v subunit. <i>Blood</i> , 2001, 97, 175-182.	1.4	19
59	The T Cell Receptor SLAPs Integrins Together. <i>Nature Immunology</i> , 2001, 2, 904-905.	14.5	0
60	Activation of Syk protein tyrosine kinase through interaction with integrin β_2 cytoplasmic domains. <i>Current Biology</i> , 2001, 11, 1799-1804.	3.9	151
61	The Molecular Adapter SLP-76 Relays Signals from Platelet Integrin $\alpha_{IIb}\beta_3$ to the Actin Cytoskeleton. <i>Journal of Biological Chemistry</i> , 2001, 276, 5916-5923.	3.4	101
62	Integrins and Actin Filaments: Reciprocal Regulation of Cell Adhesion and Signaling. <i>Journal of Biological Chemistry</i> , 2000, 275, 22607-22610.	3.4	413
63	Genetic and Pharmacological Analyses of Syk Function in $\alpha_{IIb}\beta_3$ Signaling in Platelets. <i>Blood</i> , 1999, 93, 2645-2652.	1.4	162
64	Mechanisms and Consequences of Affinity Modulation of Integrin $\alpha_V\beta_3$ Detected with a Novel Patch-engineered Monovalent Ligand. <i>Journal of Biological Chemistry</i> , 1999, 274, 21609-21616.	3.4	148
65	Primary Megakaryocytes Reveal a Role for Transcription Factor Nf-E2 in Integrin $\alpha_{IIb}\beta_3$ Signaling. <i>Journal of Cell Biology</i> , 1999, 147, 1419-1430.	5.2	87
66	Genetic and Pharmacological Analyses of Syk Function in $\alpha_{IIb}\beta_3$ Signaling in Platelets. <i>Blood</i> , 1999, 93, 2645-2652.	1.4	16
67	Identification of a novel integrin signaling pathway involving the kinase Syk and the guanine nucleotide exchange factor Vav1. <i>Current Biology</i> , 1998, 8, 1289-1299.	3.9	183
68	Complementary Roles for Receptor Clustering and Conformational Change in the Adhesive and Signaling Functions of Integrin $\alpha_{IIb}\beta_3$. <i>Journal of Cell Biology</i> , 1998, 141, 1685-1695.	5.2	224
69	RhoA and the Function of Platelet Integrin $\alpha_{IIb}\beta_3$. <i>Blood</i> , 1998, 91, 4206-4215.	1.4	113
70	Not Just Another Pretty Face: Regulation of Platelet Function at the Cytoplasmic Face of Integrin $\alpha_{IIb}\beta_3$. <i>Thrombosis and Haemostasis</i> , 1997, 78, 220-225.	3.4	28
71	Breaking the Integrin Hinge. <i>Journal of Biological Chemistry</i> , 1996, 271, 6571-6574.	3.4	518