

Xiaoping Du

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

5,912
citations

70961

41
h-index

106150

65
g-index

113
all docs

113
docs citations

113
times ranked

5584
citing authors

#	ARTICLE	IF	CITATIONS
1	Micelle morphology phase diagram in a phospholipid, PEGylated lipid, and peptide amphiphiles ternary system. <i>Chemical Engineering Research and Design</i> , 2022, 181, 354-362.	2.7	2
2	Signaling mechanisms of the platelet glycoprotein Ib-IX complex. <i>Platelets</i> , 2022, 33, 823-832.	1.1	6
3	Shear and Integrin Outside-In Signaling Activate NADPH-Oxidase 2 to Promote Platelet Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1638-1653.	1.1	12
4	Targeting GÎ±13-integrin interaction ameliorates systemic inflammation. <i>Nature Communications</i> , 2021, 12, 3185.	5.8	9
5	GÎ±13 Mediates Transendothelial Migration of Neutrophils by Promoting Integrin-Dependent Motility without Affecting Directionality. <i>Journal of Immunology</i> , 2021, , j2001385.	0.4	1
6	Transferrin plays a central role in coagulation balance by interacting with clotting factors. <i>Cell Research</i> , 2020, 30, 119-132.	5.7	54
7	High-loading GÎ±13-binding EXE peptide nanoparticles prevent thrombosis and protect mice from cardiac ischemia/reperfusion injury. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	21
8	Platelet Protein Disulfide Isomerase Promotes Glycoprotein IbÎ±-Mediated Platelet-Neutrophil Interactions Under Thromboinflammatory Conditions. <i>Circulation</i> , 2019, 139, 1300-1319.	1.6	63
9	Novel Endothelial Cell Targeted Peptide Nanoformulation for Inhibiting von Willebrand Factor Secretion to Reduce Thrombotic Complications in Sepsis. <i>FASEB Journal</i> , 2019, 33, 680.11.	0.2	2
10	14-3-3 proteins in platelet biology and glycoprotein Ib-IX signaling. <i>Blood</i> , 2018, 131, 2436-2448.	0.6	30
11	Oxidant Signaling Mediated by Nox2 in Neutrophils Promotes Regenerative Myelopoiesis and Tissue Recovery following Ischemic Damage. <i>Journal of Immunology</i> , 2018, 201, 2414-2426.	0.4	13
12	Profilin 1Î±-mediated cytoskeletal rearrangements regulate integrin function in mouse platelets. <i>Blood Advances</i> , 2018, 2, 1040-1045.	2.5	12
13	Shear-induced integrin signaling in platelet phosphatidylserine exposure, microvesicle release, and coagulation. <i>Blood</i> , 2018, 132, 533-543.	0.6	52
14	Serum amyloid A promotes <sc>LPS</sc> clearance and suppresses <sc>LPS</sc> Î±-induced inflammation and tissue injury. <i>EMBO Reports</i> , 2018, 19, .	2.0	93
15	New Concepts and Mechanisms of Platelet Activation Signaling. <i>Physiology</i> , 2017, 32, 162-177.	1.6	221
16	Twinfilin 2a regulates platelet reactivity and turnover in mice. <i>Blood</i> , 2017, 130, 1746-1756.	0.6	33
17	Differential Roles of the NADPH-Oxidase 1 and 2 in Platelet Activation and Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 846-854.	1.1	94
18	Signaling-mediated cooperativity between glycoprotein Ib-IX and protease-activated receptors in thrombin-induced platelet activation. <i>Blood</i> , 2016, 127, 626-636.	0.6	67

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19	Cooperative unfolding of distinctive mechanoreceptor domains transduces force into signals. <i>ELife</i> , 2016, 5, .	2.8	66
20	Targeting Integrin and Integrin Signaling in Treating Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 24-29.	1.1	103
21	The interaction of G ₁₃ with integrin β^1 mediates cell migration by dynamic regulation of RhoA. <i>Molecular Biology of the Cell</i> , 2015, 26, 3658-3670.	0.9	25
22	Agonist-induced platelet procoagulant activity requires shear and a Rac1-dependent signaling mechanism. <i>Blood</i> , 2014, 124, 1957-1967.	0.6	35
23	LIM kinase-1 selectively promotes glycoprotein Ib-IX-mediated TXA ₂ synthesis, platelet activation, and thrombosis. <i>Blood</i> , 2013, 121, 4586-4594.	0.6	37
24	A directional switch of integrin signalling and a new anti-thrombotic strategy. <i>Nature</i> , 2013, 503, 131-135.	13.7	146
25	Role for Platelet Glycoprotein Ib-IX and Effects of its Inhibition in Endotoxemia-Induced Thrombosis, Thrombocytopenia, and Mortality. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2529-2537.	1.1	37
26	Neutrophil Akt2 Plays a Critical Role In Heterotypic Neutrophil-Platelet Interactions During Vascular Inflammation. <i>Blood</i> , 2013, 122, 321-321.	0.6	5
27	A Mechanism For Switch Of Integrin Signaling Direction and a New Anti-Thrombotic Strategy Through Selective Outside-In Signaling Inhibition. <i>Blood</i> , 2013, 122, 2295-2295.	0.6	0
28	ADP-Stimulated Activation of Akt During Integrin Outside-In Signaling Promotes Platelet Spreading by Inhibiting Glycogen Synthase Kinase-3 β . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2232-2240.	1.1	67
29	The Role of Rac1 in Glycoprotein Ib-IX-Mediated Signal Transduction and Integrin Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2761-2768.	1.1	37
30	Response: yes, cGMP plays a stimulatory role in platelet activation. <i>Blood</i> , 2012, 119, 5336-5337.	0.6	3
31	Inside-out, outside-in, and inside-outside-in: G protein signaling in integrin-mediated cell adhesion, spreading, and retraction. <i>Current Opinion in Cell Biology</i> , 2012, 24, 600-606.	2.6	219
32	An important role for Akt3 in platelet activation and thrombosis. <i>Blood</i> , 2011, 118, 4215-4223.	0.6	100
33	Heat-shock protein gp96/grp94 is an essential chaperone for the platelet glycoprotein Ib-IX-V complex. <i>Blood</i> , 2011, 117, 7136-7144.	0.6	60
34	Biphasic roles for soluble guanylyl cyclase (sGC) in platelet activation. <i>Blood</i> , 2011, 118, 3670-3679.	0.6	61
35	The Role of Akt3 in Mediating Outside-in Signaling of the Platelet Integrin β^3 . <i>Blood</i> , 2011, 118, 1134-1134.	0.6	0
36	G Protein Subunit G ₁₃ Binds to Integrin β^3 and Mediates Integrin α Outside-In-Signaling. <i>Science</i> , 2010, 327, 340-343.	6.0	248

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37	An Important Role of the Src Family Kinase Lyn in Stimulating Platelet Granule Secretion. <i>Journal of Biological Chemistry</i> , 2010, 285, 12559-12570.	1.6	34
38	Signaling During Platelet Adhesion and Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2341-2349.	1.1	680
39	An Important Role for Rac1 and RhoA In Regulating Platelet Microparticle Formation and Phosphatidylserine Exposure. <i>Blood</i> , 2010, 116, 2023-2023.	0.6	0
40	Consistent Up-regulation of Stat3 Independently of Jak2 Mutations in a New Murine Model of Essential Thrombocythemia. <i>Cancer Research</i> , 2009, 69, 262-271.	0.4	8
41	Identification of a Novel 14-3-3 σ Binding Site Within the Cytoplasmic Domain of Platelet Glycoprotein Ib α That Plays a Key Role in Regulating the von Willebrand Factor Binding Function of Glycoprotein Ib-IX. <i>Circulation Research</i> , 2009, 105, 1177-1185.	2.0	32
42	Lipopolysaccharide Stimulates Platelet Secretion and Potentiates Platelet Aggregation via TLR4/MyD88 and the cGMP-Dependent Protein Kinase Pathway. <i>Journal of Immunology</i> , 2009, 182, 7997-8004.	0.4	311
43	Two distinct roles of mitogen-activated protein kinases in platelets and a novel Rac1-MAPK α -dependent integrin outside-in retractile signaling pathway. <i>Blood</i> , 2009, 113, 893-901.	0.6	178
44	Signaling-mediated Functional Activation of Inducible Nitric-oxide Synthase and Its Role in Stimulating Platelet Activation. <i>Journal of Biological Chemistry</i> , 2008, 283, 28827-28834.	1.6	31
45	The role of Akt in the signaling pathway of the glycoprotein Ib-IX α -induced platelet activation. <i>Blood</i> , 2008, 111, 658-665.	0.6	119
46	RGT, a synthetic peptide corresponding to the integrin β 3 cytoplasmic C-terminal sequence, selectively inhibits outside-in signaling in human platelets by disrupting the interaction of integrin α IIb β 3 with Src kinase. <i>Blood</i> , 2008, 112, 592-602.	0.6	46
47	Src family tyrosine kinase Lyn mediates VWF/GPIb-IX α -induced platelet activation via the cGMP signaling pathway. <i>Blood</i> , 2008, 112, 1139-1146.	0.6	92
48	A molecular switch that controls cell spreading and retraction. <i>Journal of Cell Biology</i> , 2007, 179, 553-565.	2.3	144
49	Signaling and regulation of the platelet glycoprotein Ib α -IX α -V complex. <i>Current Opinion in Hematology</i> , 2007, 14, 262-269.	1.2	122
50	Tyrosine Phosphorylation of the Integrin β 3 Subunit Regulates β 3 Cleavage by Calpain. <i>Journal of Biological Chemistry</i> , 2006, 281, 29426-29430.	1.6	47
51	Sequential activation of p38 and ERK pathways by cGMP-dependent protein kinase leading to activation of the platelet integrin α IIb β 3. <i>Blood</i> , 2006, 107, 965-972.	0.6	143
52	A Phosphoinositide 3-Kinase-AKT-Nitric Oxide-cGMP Signaling Pathway in Stimulating Platelet Secretion and Aggregation*. <i>Journal of Biological Chemistry</i> , 2006, 281, 16333-16339.	1.6	106
53	A critical role for 14-3-3 σ protein in regulating the VWF binding function of platelet glycoprotein Ib-IX and its therapeutic implications. <i>Blood</i> , 2005, 106, 1975-1981.	0.6	97
54	Stimulatory Roles of Nitric-oxide Synthase 3 and Guanylyl Cyclase in Platelet Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 37430-37438.	1.6	65

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55	Inducible Nitric Oxide Synthase Plays a Stimulatory Role in Platelet Activation.. Blood, 2005, 106, 1650-1650.	0.6	1
56	The Role of the cGMP-Dependent Protein Kinase II in Platelet Activation and In Vivo Thrombosis.. Blood, 2005, 106, 653-653.	0.6	0
57	Inhibition of the Binding of von Willebrand Factor to the Platelet Glycoprotein Ib-IX with an Inhibitor of 14-3-3 and Glycoprotein Ib-IX Interaction.. Blood, 2005, 106, 1657-1657.	0.6	0
58	A Platelet Secretion Pathway Mediated by cGMP-dependent Protein Kinase. Journal of Biological Chemistry, 2004, 279, 42469-42475.	1.6	63
59	On the roles of cGMP and glycoprotein Ib in platelet activation. Blood, 2004, 103, 4371-4372.	0.6	7
60	A Stimulatory Role for cGMP-Dependent Protein Kinase in Platelet Activation. Cell, 2003, 112, 77-86.	13.5	249
61	A predominant role for cAMP-dependent protein kinase in the cGMP-induced phosphorylation of vasodilator-stimulated phosphoprotein and platelet inhibition in humans. Blood, 2003, 101, 4423-4429.	0.6	124
62	Critical roles for the COOH-terminal NITY and RGT sequences of the integrin α _{IIb} β ₃ cytoplasmic domain in inside-out and outside-in signaling. Journal of Cell Biology, 2003, 162, 329-339.	2.3	57
63	Regulation of Glycoprotein Ib-IX-von Willebrand Factor Interaction by cAMP-dependent Protein Kinase-mediated Phosphorylation at Ser 166 of Glycoprotein Ib ² . Journal of Biological Chemistry, 2002, 277, 47080-47087.	1.6	68
64	A Mitogen-activated Protein Kinase-dependent Signaling Pathway in the Activation of Platelet Integrin α _{IIb} β ₃ . Journal of Biological Chemistry, 2001, 276, 42226-42232.	1.6	112
65	Regulation of von Willebrand Factor Binding to the Platelet Glycoprotein Ib-IX by a Membrane Skeleton-dependent Inside-out Signal. Journal of Biological Chemistry, 2001, 276, 16952-16959.	1.6	71
66	The Cytoplasmic Domain of the Platelet Glycoprotein Ib ¹ Is Phosphorylated at Serine 609. Journal of Biological Chemistry, 1999, 274, 33474-33479.	1.6	62
67	Analysis of the Roles of 14-3-3 in the Platelet Glycoprotein Ib-IX-Mediated Activation of Integrin α _{IIb} β ₃ Using a Reconstituted Mammalian Cell Expression Model. Journal of Cell Biology, 1999, 147, 1085-1096.	2.3	126
68	A Novel Ligand-binding Site in the α _{IIb} -Form 14-3-3 Protein Recognizing the Platelet Glycoprotein Ib ¹ and Distinct from the c-Raf-binding Site. Journal of Biological Chemistry, 1998, 273, 33465-33471.	1.6	50
69	Identification of a Binding Sequence for the 14-3-3 Protein within the Cytoplasmic Domain of the Adhesion Receptor, Platelet Glycoprotein Ib ¹ . Journal of Biological Chemistry, 1996, 271, 7362-7367.	1.6	124
70	Ligands α -activate β -integrin α _{IIb} β ₃ (platelet GPIIb-IIIa). Cell, 1991, 65, 409-416.	13.5	508