

Robert Keith Andrews

List of Publications by Year in descending order

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128
papers

7,037
citations

44042

48
h-index

60583

81
g-index

129
all docs

129
docs citations

129
times ranked

5938
citing authors

#	ARTICLE	IF	CITATIONS
1	Bernard-Soulier Syndrome. <i>Blood</i> , 1998, 91, 4397-4418.	0.6	540
2	Platelet physiology and thrombosis. <i>Thrombosis Research</i> , 2004, 114, 447-453.	0.8	358
3	Extracorporeal Membrane Oxygenationâ€™ Hemostatic Complications. <i>Transfusion Medicine Reviews</i> , 2015, 29, 90-101.	0.9	329
4	Bcl-xLâ€™ inhibitory BH3 mimetics can induce a transient thrombocytopeny that undermines the hemostatic function of platelets. <i>Blood</i> , 2011, 118, 1663-1674.	0.6	262
5	Molecular mechanisms of platelet adhesion and activation. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 91-105.	1.2	198
6	Mocarhagin, a Novel Cobra Venom Metalloproteinase, Cleaves the Platelet von Willebrand Factor Receptor Glycoprotein Ibl±. Identification of the Sulfated Tyrosine/Anionic Sequence Tyr-276â€™Glu-282 of Glycoprotein Ibl± as a Binding Site for von Willebrand Factor and I±-Thrombinâ€™. <i>Biochemistry</i> , 1996, 35, 4929-4938.	1.2	194
7	Binding of Thrombin to Glycoprotein Ib Accelerates the Hydrolysis of Par-1 on Intact Platelets. <i>Journal of Biological Chemistry</i> , 2001, 276, 4692-4698.	1.6	193
8	Purification of botrocetin from Bothrops jararaca venom. Analysis of the botrocetin-mediated interaction between von Willebrand factor and the human platelet membrane glycoprotein Ib-IX complex. <i>Biochemistry</i> , 1989, 28, 8317-8326.	1.2	172
9	Regulation of platelet activation and thrombus formation by reactive oxygen species. <i>Redox Biology</i> , 2018, 14, 126-130.	3.9	164
10	Regulation of platelet membrane levels of glycoprotein VI by a platelet-derived metalloproteinase. <i>Blood</i> , 2004, 104, 3611-3617.	0.6	147
11	Association of Fyn and Lyn with the Proline-rich Domain of Glycoprotein VI Regulates Intracellular Signaling. <i>Journal of Biological Chemistry</i> , 2002, 277, 21561-21566.	1.6	136
12	Binding of Purified 14-3-3 Î¶ Signaling Protein to Discrete Amino Acid Sequences within the Cytoplasmic Domain of the Platelet Membrane Glycoprotein Ib-IX-V Complexâ€™. <i>Biochemistry</i> , 1998, 37, 638-647.	1.2	134
13	Requirement of leucine-rich repeats of glycoprotein (GP) Ibl± for shear-dependent and static binding of von Willebrand factor to the platelet membrane GP Ibl±-IX-V complex. <i>Blood</i> , 2000, 95, 903-910.	0.6	131
14	Ristocetin-dependent, but not botrocetin-dependent, binding of von Willebrand factor to the platelet glycoprotein Ib-IX-V complex correlates with shear-dependent interactions. <i>Blood</i> , 2001, 97, 162-168.	0.6	131
15	Cross-linking of a monomeric 39/34-kDa disperse fragment of von Willebrand factor (Leu-480/Val-481-Gly-718) to the N-terminal region of the .alpha.-chain of membrane glycoprotein Ib on intact platelets with bis(sulfosuccinimidyl) suberate. <i>Biochemistry</i> , 1989, 28, 8326-8336.	1.2	120
16	Platelet glycoprotein VIâ€™ related clinical defects. <i>British Journal of Haematology</i> , 2007, 139, 363-372.	1.2	116
17	CLEC-2 expression is maintained on activated platelets and on platelet microparticles. <i>Blood</i> , 2014, 124, 2262-2270.	0.6	104
18	Pathologic shear triggers shedding of vascular receptors: a novel mechanism for down-regulation of platelet glycoprotein VI in stenosed coronary vessels. <i>Blood</i> , 2012, 119, 4311-4320.	0.6	101

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19	Interaction of calmodulin with the cytoplasmic domain of the platelet membrane glycoprotein Ib-IX-V complex. <i>Blood</i> , 2001, 98, 681-687.	0.6	97
20	Glycoprotein VI is associated with GPIb-IX-V on the membrane of resting and activated platelets. <i>Thrombosis and Haemostasis</i> , 2005, 93, 716-723.	1.8	97
21	A Novel Cobra Venom Metalloproteinase, Mocarhagin, Cleaves a 10-Amino Acid Peptide from the Mature N Terminus of P-selectin Glycoprotein Ligand Receptor, PSGL-1, and Abolishes P-selectin Binding. <i>Journal of Biological Chemistry</i> , 1995, 270, 26734-26737.	1.6	94
22	Platelet Receptor Proteolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1511-1520.	1.1	89
23	The platelet Fc receptor, Fc γ RIIa. <i>Immunological Reviews</i> , 2015, 268, 241-252.	2.8	87
24	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. <i>Journal of Experimental Medicine</i> , 2015, 212, 129-137.	4.2	87
25	Coagulation-induced shedding of platelet glycoprotein VI mediated by factor Xa. <i>Blood</i> , 2011, 117, 3912-3920.	0.6	84
26	New insights into the haemostatic function of platelets. <i>British Journal of Haematology</i> , 2009, 147, 415-430.	1.2	81
27	Interaction of calmodulin with the cytoplasmic domain of platelet glycoprotein VI. <i>Blood</i> , 2002, 99, 4219-4221.	0.6	79
28	Dual ITAM-mediated proteolytic pathways for irreversible inactivation of platelet receptors: de-ITAM-izing Fc γ RIIa. <i>Blood</i> , 2008, 111, 165-174.	0.6	77
29	Soluble Glycoprotein VI Is Raised in the Plasma of Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2011, 42, 498-500.	1.0	77
30	Bernard-Soulier Syndrome: An Update. <i>Seminars in Thrombosis and Hemostasis</i> , 2013, 39, 656-662.	1.5	77
31	Characterization of human platelet GMP-140 as a heparin-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 1989, 164, 1373-1379.	1.0	75
32	BINDING OF THE VON WILLEBRAND FACTOR A1 DOMAIN TO HISTONE. <i>Thrombosis Research</i> , 1997, 86, 469-477.	0.8	74
33	Regulation of P-selectin binding to the neutrophil P-selectin counter-receptor P-selectin glycoprotein ligand-1 by neutrophil elastase and cathepsin G. <i>Blood</i> , 2001, 98, 1440-1447.	0.6	69
34	Measuring soluble platelet glycoprotein VI in human plasma by ELISA. <i>Platelets</i> , 2009, 20, 143-149.	1.1	68
35	Primary Platelet Adhesion Receptors. <i>IUBMB Life</i> , 2005, 57, 103-108.	1.5	67
36	Structure and function of the von Willebrand factor A1 domain: analysis with monoclonal antibodies reveals distinct binding sites involved in recognition of the platelet membrane glycoprotein Ib-IX-V complex and ristocetin-dependent activation. <i>Blood</i> , 2000, 95, 164-172.	0.6	65

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37	Neutrophil extracellular traps (NETs) and the role of platelets in infection. <i>Thrombosis and Haemostasis</i> , 2014, 112, 659-665.	1.8	65
38	Current State and Novel Approaches of Antiplatelet Therapy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1327-1338.	1.1	62
39	Platelet Receptor Expression and Shedding: Glycoprotein Ib-IX-V and Glycoprotein VI. <i>Transfusion Medicine Reviews</i> , 2014, 28, 56-60.	0.9	61
40	A Novel Viper Venom Metalloproteinase, Alborhagin, Is an Agonist at the Platelet Collagen Receptor GPVI. <i>Journal of Biological Chemistry</i> , 2001, 276, 28092-28097.	1.6	60
41	Thrombin-induced reactive oxygen species generation in platelets: A novel role for protease-activated receptor 4 and GPIb α . <i>Redox Biology</i> , 2015, 6, 640-647.	3.9	59
42	Glycoproteins VI and Ib-IX-V stimulate tyrosine phosphorylation of tyrosine kinase Syk and phospholipase C γ 2 at distinct sites. <i>Biochemical Journal</i> , 2004, 378, 1023-1029.	1.7	54
43	Mechanisms of receptor shedding in platelets. <i>Blood</i> , 2018, 132, 2535-2545.	0.6	53
44	Platelet Interactions in Thrombosis. <i>IUBMB Life</i> , 2004, 56, 13-18.	1.5	52
45	Ligand Binding Rapidly Induces Disulfide-dependent Dimerization of Glycoprotein VI on the Platelet Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2007, 282, 30434-30441.	1.6	52
46	Neutrophil extracellular traps (NETs) and infection-related vascular dysfunction. <i>Blood Reviews</i> , 2012, 26, 255-259.	2.8	52
47	Adhesion Maturation of Neutrophils on Nanoscopically Presented Platelet Glycoprotein Ib α . <i>ACS Nano</i> , 2013, 7, 9984-9996.	7.3	51
48	14-3-3 η regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. <i>Nature Communications</i> , 2016, 7, 12862.	5.8	49
49	Activation of the 43 kDa Inositol Polyphosphate 5-Phosphatase by 14-3-3 η . <i>Biochemistry</i> , 1997, 36, 15363-15370.	1.2	48
50	Snake venom probes of platelet adhesion receptors and their ligands. <i>Toxicon</i> , 2005, 45, 1051-1061.	0.8	48
51	Pharmacological Blockade of Glycoprotein VI Promotes Thrombus Disaggregation in the Absence of Thrombin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2127-2142.	1.1	48
52	GPIb α -selective activation of platelets induces platelet signaling events comparable to GPVI activation events. <i>Platelets</i> , 2010, 21, 244-252.	1.1	45
53	A functional 14-3-3 η -independent association of PI3-kinase with glycoprotein Ib α , the major ligand-binding subunit of the platelet glycoprotein Ib-IX-V complex. <i>Blood</i> , 2008, 111, 4580-4587.	0.6	43
54	Targeting GPVI as a novel antithrombotic strategy. <i>Journal of Blood Medicine</i> , 2014, 5, 59.	0.7	43

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55	Platelet receptor redox regulation. <i>Platelets</i> , 2008, 19, 1-8.	1.1	42
56	Soluble GPVI is elevated in injured patients: shedding is mediated by fibrin activation of GPVI. <i>Blood Advances</i> , 2018, 2, 240-251.	2.5	41
57	Platelet adhesion: a game of catch and release. <i>Journal of Clinical Investigation</i> , 2008, 118, 3009-11.	3.9	40
58	Structure and Function of Platelet Receptors Initiating Blood Clotting. <i>Advances in Experimental Medicine and Biology</i> , 2014, 844, 263-275.	0.8	40
59	Anti-glycoprotein VI monoclonal antibodies directly aggregate platelets independently of Fc γ 3RIIa and induce GPVI ectodomain shedding. <i>Platelets</i> , 2009, 20, 75-82.	1.1	39
60	Focusing on plasma glycoprotein VI. <i>Thrombosis and Haemostasis</i> , 2012, 107, 648-655.	1.8	38
61	Longitudinal changes in hemostatic parameters and reduced pulsatility contribute to non-surgical bleeding in patients with centrifugal continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 743-751.	0.3	38
62	Neutrophil extracellular traps (NETs) and the role of platelets in infection. <i>Thrombosis and Haemostasis</i> , 2014, 112, 659-665.	1.8	37
63	Role of Calmodulin in Platelet Receptor Function. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2005, 3, 283-287.	1.7	36
64	Proteolysis of platelet receptors in humans and other species. <i>Biological Chemistry</i> , 2010, 391, 893-900.	1.2	34
65	Basic mechanisms of platelet receptor shedding. <i>Platelets</i> , 2017, 28, 319-324.	1.1	34
66	Proteolytic cleavage of platelet endothelial cell adhesion molecule-1 (PECAM-1/CD31) is regulated by a calmodulin-binding motif. <i>FEBS Letters</i> , 2004, 568, 70-78.	1.3	29
67	Loss of GPVI and GPIb \pm contributes to trauma-induced platelet dysfunction in severely injured patients. <i>Blood Advances</i> , 2020, 4, 2623-2630.	2.5	29
68	A-Disintegrin-And-Metalloproteinase (ADAM) 10 Activity on Resting and Activated Platelets. <i>Biochemistry</i> , 2016, 55, 1187-1194.	1.2	28
69	The Glycoprotein Ib-IX-V Complex. , 2007, , 145-163.		26
70	Snake venom metalloproteinases, crotarhagin and alborhagin, induce ectodomain shedding of the platelet collagen receptor, glycoprotein VI. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1285-1290.	1.8	26
71	A familial platelet function disorder associated with abnormal signalling through the glycoprotein VI pathway. <i>British Journal of Haematology</i> , 2007, 137, 569-577.	1.2	26
72	Platelet Receptor Shedding. <i>Methods in Molecular Biology</i> , 2012, 788, 321-339.	0.4	26

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73	Structure-activity Relationships of Snake Toxins Targeting Platelet Receptors, Glycoprotein Ib-IX-V and Glycoprotein VI. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2003, 1, 143-149.	1.7	25
74	Platelet Hyperreactivity in Diabetes: Focus on GPVI Signaling—Are Useful Drugs Already Available?. <i>Diabetes</i> , 2017, 66, 7-13.	0.3	24
75	The 14-3-3 η -GP1b-IX-V Complex as an Antiplatelet Target. <i>Drug News and Perspectives</i> , 2007, 20, 285.	1.9	24
76	Nerve Growth Factor Inhibits Metalloproteinase-Disintegrins and Blocks Ectodomain Shedding of Platelet Glycoprotein VI. <i>Journal of Biological Chemistry</i> , 2010, 285, 11793-11799.	1.6	22
77	Restored platelet function after romiplostim treatment in a patient with immune thrombocytopenic purpura. <i>British Journal of Haematology</i> , 2010, 149, 625-628.	1.2	20
78	Low adhesion receptor levels on circulating platelets in patients with lymphoproliferative diseases before receiving Navitoclax (ABT-263). <i>Blood</i> , 2013, 121, 1479-1481.	0.6	20
79	Fractionation of snake venom metalloproteinases by metal ion affinity: A purified cobra metalloproteinase, Nk, from <i>Naja kaouthia</i> binds Ni ²⁺ -agarose. <i>Toxicon</i> , 2007, 50, 1064-1072.	0.8	19
80	Metalloproteolytic receptor shedding in platelets—reacting their age. <i>Platelets</i> , 2016, 27, 512-518.	1.1	19
81	Transmembrane and Trans-subunit Regulation of Ectodomain Shedding of Platelet Glycoprotein Ib α . <i>Journal of Biological Chemistry</i> , 2010, 285, 32096-32104.	1.6	18
82	Microparticles facilitate neutrophil/platelet crosstalk. <i>Blood</i> , 2008, 112, 2174-2175.	0.6	17
83	Novel Stenotic Microchannels to Study Thrombus Formation in Shear Gradients: Influence of Shear Forces and Human Platelet-Related Factors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2967.	1.8	17
84	Fibrin exposure triggers α IIb β 3-independent platelet aggregate formation, ADAM10 activity and glycoprotein VI shedding in a charge-dependent manner. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1447-1458.	1.9	16
85	Soluble glycoprotein VI, a specific marker of platelet activation is increased in the plasma of subjects with seropositive rheumatoid arthritis. <i>PLoS ONE</i> , 2017, 12, e0188027.	1.1	15
86	Immobilized collagen prevents shedding and induces sustained GPVI clustering and signaling in platelets. <i>Platelets</i> , 2021, 32, 59-73.	1.1	15
87	Adenosine and Forskolin Inhibit Platelet Aggregation by Collagen but not the Proximal Signaling Events. <i>Thrombosis and Haemostasis</i> , 2019, 119, 1124-1137.	1.8	14
88	Bone Marrow Defects and Platelet Function: A Focus on MDS and CLL. <i>Cancers</i> , 2018, 10, 147.	1.7	13
89	Autologous platelet-rich plasma for healing chronic venous leg ulcers: Clinical efficacy and potential mechanisms. <i>International Wound Journal</i> , 2019, 16, 788-792.	1.3	13
90	Successful renal denervation decreases the platelet activation status in hypertensive patients. <i>Cardiovascular Research</i> , 2020, 116, 202-210.	1.8	13

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91	Calmodulin interacts with the platelet ADP receptor P2Y1. <i>Biochemical Journal</i> , 2006, 398, 339-343.	1.7	12
92	Platelets: Envoys at the Infection Frontline. <i>Journal of Infectious Diseases</i> , 2013, 208, 871-873.	1.9	12
93	Plasma sGPVI: Changing levels in human disease. <i>Thrombosis Research</i> , 2014, 133, 306-307.	0.8	12
94	Phosphoproteomic Analysis of Platelets in Severe Obesity Uncovers Platelet Reactivity and Signaling Pathways Alterations. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 478-490.	1.1	12
95	Platelet Physiology: In Cold Blood. <i>Current Biology</i> , 2003, 13, R282-R284.	1.8	11
96	Illustrated State-of-the-Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019, 3, 431-497.	1.0	11
97	Platelet phenotype and function in the absence of splenic sequestration (Review). <i>Platelets</i> , 2021, 32, 47-52.	1.1	11
98	The GPIb-IX-V Complex. , 2013, , 195-213.		9
99	Soluble glycoprotein VI is a predictor of major bleeding in patients with suspected heparin-induced thrombocytopenia. <i>Blood Advances</i> , 2020, 4, 4327-4332.	2.5	9
100	An Acquired Defect Associated with Abnormal Signaling of the Platelet Collagen Receptor Glycoprotein VI. <i>Acta Haematologica</i> , 2012, 128, 233-241.	0.7	7
101	The NET effect of clot formation. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 133-135.	1.9	7
102	Platelet Adhesion. , 2017, , 309-319.		7
103	Methods to Determine the Lagrangian Shear Experienced by Platelets during Thrombus Growth. <i>PLoS ONE</i> , 2015, 10, e0144860.	1.1	7
104	Effects of abacavir administration on structural and functional markers of platelet activation. <i>Aids</i> , 2015, 29, 2309-2313.	1.0	6
105	Low levels of CD9 coincidental with a novel nonsense mutation in glycoprotein Ib ^{β2} in a patient with Bernard-Soulier syndrome. <i>Annals of Hematology</i> , 2015, 94, 2069-2071.	0.8	6
106	Loss of the exocyst complex component EXOC3 promotes hemostasis and accelerates arterial thrombosis. <i>Blood Advances</i> , 2021, 5, 674-686.	2.5	6
107	An atypical IgM class platelet cold agglutinin induces GPVI-dependent aggregation of human platelets. <i>Thrombosis and Haemostasis</i> , 2015, 114, 313-324.	1.8	5
108	Mechanisms of Platelet Dysfunction in Patients with Implantable Devices. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 012-019.	1.5	5

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109	Lymphomania. <i>Blood</i> , 2014, 123, 3057-3058.	0.6	3
110	Liver-mediated shedding of platelet GPIIb/IIIa. <i>Blood</i> , 2016, 128, 751-752.	0.6	3
111	Monitoring the pulse of thrombus formation. <i>Physics of Life Reviews</i> , 2018, 26-27, 113-115.	1.5	3
112	Short and sweet science. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019, 3, 429-430.	1.0	3
113	Platelets – From Function to Dysfunction in Essential Thrombocythemia. <i>European Oncology and Haematology</i> , 2011, 07, 125.	0.0	3
114	Approaches to the analysis of structure/function of novel membrane receptors: A functional dissection of platelet GP Ib-IX-V. <i>International Journal of Peptide Research and Therapeutics</i> , 2001, 8, 163-169.	0.1	2
115	Diagnostic assays for heparin-induced thrombocytopenia. <i>British Journal of Haematology</i> , 2014, 166, 631-633.	1.2	2
116	A Brief History of Blood Platelets: A Personal View. , 2017, , 3-9.		2
117	Fc Binding by Fcγ3RIIa Is Essential for Cellular Activation by the Anti-Fcγ3RIIa mAbs 8.26 and 8.2. <i>Frontiers in Immunology</i> , 2021, 12, 666813.	2.2	2
118	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 2001, 8, 163-169.	0.1	1
119	Inside platelets. <i>Blood</i> , 2012, 119, 907-909.	0.6	1
120	FoxO function PAR excellence. <i>Thrombosis and Haemostasis</i> , 2012, 108, 11.	1.8	1
121	Platelet hem-Immunoreceptor Tyrosine Kinase-Based Activation Motif Receptors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 884-885.	1.1	1
122	Platelet Ubiquitylation – It's Everywhere. <i>Thrombosis and Haemostasis</i> , 2019, 119, 006-008.	1.8	1
123	Plasma levels of the soluble form of the Fcγ3RIIa receptor vary with receptor polymorphisms and are elevated in rheumatoid arthritis. <i>Platelets</i> , 2020, 31, 392-398.	1.1	1
124	Mocarhagin. , 2004, , 696-699.		1
125	Editorial: ADAMs control inflammation from afar. <i>Journal of Leukocyte Biology</i> , 2015, 97, 437-438.	1.5	0
126	The cutting edge of platelets. <i>Platelets</i> , 2017, 28, 317-318.	1.1	0

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127	Shedding of soluble glycoprotein VI is neither affected by animal-derived antibeta-2-glycoprotein 1 antibodies nor IgG fractions from patients with systemic lupus erythematosus. Blood Coagulation and Fibrinolysis, 2020, 31, 258-263.	0.5	0
128	Glycoprotein (GP) VI Is Associated with GPIb-IX-V on the Membrane of Resting and Activated Platelets.. Blood, 2004, 104, 1553-1553.	0.6	0