

# Robert Keith Andrews

## List of Publications by Citations

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122  
papers

5,846  
citations

45  
h-index

74  
g-index

129  
ext. papers

6,431  
ext. citations

5.2  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
122	Bernard-Soulier Syndrome. <i>Blood</i> , <b>1998</b> , 91, 4397-4418	2.2	468
121	Platelet physiology and thrombosis. <i>Thrombosis Research</i> , <b>2004</b> , 114, 447-53	8.2	313
120	Extracorporeal membrane oxygenation-hemostatic complications. <i>Transfusion Medicine Reviews</i> , <b>2015</b> , 29, 90-101	7.4	218
119	Bcl-xL-inhibitory BH3 mimetics can induce a transient thrombocytopenia that undermines the hemostatic function of platelets. <i>Blood</i> , <b>2011</b> , 118, 1663-74	2.2	199
118	Mocarhagin, a novel cobra venom metalloproteinase, cleaves the platelet von Willebrand factor receptor glycoprotein Iba $\alpha$ . Identification of the sulfated tyrosine/anionic sequence Tyr-276-Glu-282 of glycoprotein Iba $\alpha$ as a binding site for von Willebrand factor and alpha-thrombin. <i>Biochemistry</i> , <b>1996</b> , 35, 4929-36	3.2	178
117	Molecular mechanisms of platelet adhesion and activation. <i>International Journal of Biochemistry and Cell Biology</i> , <b>1997</b> , 29, 91-105	5.6	176
116	Binding of thrombin to glycoprotein Ib accelerates the hydrolysis of Par-1 on intact platelets. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 4692-8	5.4	168
115	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> , <b>1989</b> , 28, 8317-26	3.2	155
114	Regulation of platelet membrane levels of glycoprotein VI by a platelet-derived metalloproteinase. <i>Blood</i> , <b>2004</b> , 104, 3611-7	2.2	130
113	Binding of purified 14-3-3 zeta signaling protein to discrete amino acid sequences within the cytoplasmic domain of the platelet membrane glycoprotein Ib-IX-V complex. <i>Biochemistry</i> , <b>1998</b> , 37, 6384-7	3.2	130
112	Association of Fyn and Lyn with the proline-rich domain of glycoprotein VI regulates intracellular signaling. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 21561-6	5.4	124
111	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> , <b>2001</b> , 97, 162-8	2.2	120
110	Requirement of leucine-rich repeats of glycoprotein (GP) Ib for shear-dependent and static binding of von Willebrand factor to the platelet membrane GP Ib-IX-V complex. <i>Blood</i> , <b>2000</b> , 95, 903-910	2.2	120
109	Regulation of platelet activation and thrombus formation by reactive oxygen species. <i>Redox Biology</i> , <b>2018</b> , 14, 126-130	11.3	114
108	Cross-linking of a monomeric 39/34-kDa dispep 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> , <b>1989</b> , 28, 8326-36	3.2	106
107	Platelet glycoprotein VI-related clinical defects. <i>British Journal of Haematology</i> , <b>2007</b> , 139, 363-72	4.5	104
106	Interaction of calmodulin with the cytoplasmic domain of the platelet membrane glycoprotein Ib-IX-V complex. <i>Blood</i> , <b>2001</b> , 98, 681-7	2.2	90

105	Glycoprotein VI is associated with GPIb-IX-V on the membrane of resting and activated platelets. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 93, 716-23	7	88
104	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> , <b>1995</b> , 270, 26734-7	5.4	85
103	Platelet receptor proteolysis: a mechanism for downregulating platelet reactivity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1511-20	9.4	82
102	CLEC-2 expression is maintained on activated platelets and on platelet microparticles. <i>Blood</i> , <b>2014</b> , 124, 2262-70	2.2	81
101	Pathologic shear triggers shedding of vascular receptors: a novel mechanism for down-regulation of platelet glycoprotein VI in stenosed coronary vessels. <i>Blood</i> , <b>2012</b> , 119, 4311-20	2.2	80
100	New insights into the haemostatic function of platelets. <i>British Journal of Haematology</i> , <b>2009</b> , 147, 415-30	4.5	77
99	Interaction of calmodulin with the cytoplasmic domain of platelet glycoprotein VI. <i>Blood</i> , <b>2002</b> , 99, 4219-21	2.1	75
98	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 129-37	16.6	73
97	Coagulation-induced shedding of platelet glycoprotein VI mediated by factor Xa. <i>Blood</i> , <b>2011</b> , 117, 3912-20	2.0	71
96	Dual ITAM-mediated proteolytic pathways for irreversible inactivation of platelet receptors: de-ITAM-izing FcγRIIIa. <i>Blood</i> , <b>2008</b> , 111, 165-74	2.2	69
95	Soluble glycoprotein VI is raised in the plasma of patients with acute ischemic stroke. <i>Stroke</i> , <b>2011</b> , 42, 498-500	6.7	66
94	Characterization of human platelet GMP-140 as a heparin-binding protein. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 164, 1373-9	3.4	66
93	Binding of the von Willebrand factor A1 domain to histone. <i>Thrombosis Research</i> , <b>1997</b> , 86, 469-77	8.2	65
92	Bernard-Soulier syndrome: an update. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2013</b> , 39, 656-62	5.3	64
91	Measuring soluble platelet glycoprotein VI in human plasma by ELISA. <i>Platelets</i> , <b>2009</b> , 20, 143-9	3.6	62
90	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> , <b>2001</b> , 98, 1440-7	2.2	62
89	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> , <b>2000</b> , 95, 164-172	2.2	61
88	The platelet Fc receptor, FcRIIIa. <i>Immunological Reviews</i> , <b>2015</b> , 268, 241-52	11.3	60

87	Primary platelet adhesion receptors. <i>IUBMB Life</i> , <b>2005</b> , 57, 103-8	4.7	52
86	A novel viper venom metalloproteinase, alborhagin, is an agonist at the platelet collagen receptor GPVI. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 28092-7	5.4	52
85	Platelet receptor expression and shedding: glycoprotein Ib-IX-V and glycoprotein VI. <i>Transfusion Medicine Reviews</i> , <b>2014</b> , 28, 56-60	7.4	51
84	Neutrophil extracellular traps (NETs) and the role of platelets in infection. <i>Thrombosis and Haemostasis</i> , <b>2014</b> , 112, 659-65	7	51
83	Activation of the 43 kDa inositol polyphosphate 5-phosphatase by 14-3-3zeta. <i>Biochemistry</i> , <b>1997</b> , 36, 15363-70	3.2	48
82	Ligand binding rapidly induces disulfide-dependent dimerization of glycoprotein VI on the platelet plasma membrane. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 30434-41	5.4	48
81	Glycoproteins VI and Ib-IX-V stimulate tyrosine phosphorylation of tyrosine kinase Syk and phospholipase Cgamma2 at distinct sites. <i>Biochemical Journal</i> , <b>2004</b> , 378, 1023-9	3.8	48
80	Current state and novel approaches of antiplatelet therapy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1327-38	9.4	47
79	Platelet interactions in thrombosis. <i>IUBMB Life</i> , <b>2004</b> , 56, 13-8	4.7	46
78	Snake venom probes of platelet adhesion receptors and their ligands. <i>Toxicon</i> , <b>2005</b> , 45, 1051-61	2.8	45
77	Neutrophil extracellular traps (NETs) and infection-related vascular dysfunction. <i>Blood Reviews</i> , <b>2012</b> , 26, 255-9	11.1	43
76	GPIIb/IIIa-selective activation of platelets induces platelet signaling events comparable to GPVI activation events. <i>Platelets</i> , <b>2010</b> , 21, 244-52	3.6	43
75	Adhesion maturation of neutrophils on nanoscopically presented platelet glycoprotein Ib-IX-V. <i>Nano</i> , <b>2013</b> , 7, 9984-96	16.7	42
74	Thrombin-induced reactive oxygen species generation in platelets: A novel role for protease-activated receptor 4 and GPIIb/IIIa. <i>Redox Biology</i> , <b>2015</b> , 6, 640-647	11.3	40
73	Platelet receptor redox regulation. <i>Platelets</i> , <b>2008</b> , 19, 1-8	3.6	39
72	A functional 14-3-3zeta-independent association of PI3-kinase with glycoprotein Ib alpha, the major ligand-binding subunit of the platelet glycoprotein Ib-IX-V complex. <i>Blood</i> , <b>2008</b> , 111, 4580-7	2.2	38
71	Platelet adhesion: a game of catch and release. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 3009-11	15.9	36
70	Role of calmodulin in platelet receptor function. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , <b>2005</b> , 3, 283-7		35

69	14-3-3 $\zeta$ regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. <i>Nature Communications</i> , <b>2016</b> , 7, 12862	17.4	34
68	Focusing on plasma glycoprotein VI. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 107, 648-55	7	34
67	Anti-glycoprotein VI monoclonal antibodies directly aggregate platelets independently of Fc $\gamma$ RIIIa and induce GPVI ectodomain shedding. <i>Platelets</i> , <b>2009</b> , 20, 75-82	3.6	33
66	Targeting GPVI as a novel antithrombotic strategy. <i>Journal of Blood Medicine</i> , <b>2014</b> , 5, 59-68	2.3	32
65	Proteolysis of platelet receptors in humans and other species. <i>Biological Chemistry</i> , <b>2010</b> , 391, 893-900	4.5	32
64	Soluble GPVI is elevated in injured patients: shedding is mediated by fibrin activation of GPVI. <i>Blood Advances</i> , <b>2018</b> , 2, 240-251	7.8	29
63	Mechanisms of receptor shedding in platelets. <i>Blood</i> , <b>2018</b> , 132, 2535-2545	2.2	29
62	Structure and function of platelet receptors initiating blood clotting. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 844, 263-75	3.6	27
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> , <b>2016</b> , 35, 743-51	5.8	26
60	Basic mechanisms of platelet receptor shedding. <i>Platelets</i> , <b>2017</b> , 28, 319-324	3.6	25
59	Proteolytic cleavage of platelet endothelial cell adhesion molecule-1 (PECAM-1/CD31) is regulated by a calmodulin-binding motif. <i>FEBS Letters</i> , <b>2004</b> , 568, 70-8	3.8	25
58	Platelet receptor shedding. <i>Methods in Molecular Biology</i> , <b>2012</b> , 788, 321-39	1.4	24
57	Snake venom metalloproteinases, crotarhagin and alborhagin, induce ectodomain shedding of the platelet collagen receptor, glycoprotein VI. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 98, 1285-1290	7	24
56	A familial platelet function disorder associated with abnormal signalling through the glycoprotein VI pathway. <i>British Journal of Haematology</i> , <b>2007</b> , 137, 569-77	4.5	24
55	The 14-3-3 $\zeta$ -GPIb-IX-V complex as an antiplatelet target. <i>Drug News and Perspectives</i> , <b>2007</b> , 20, 285-92		23
54	A-Disintegrin-And-Metalloproteinase (ADAM) 10 Activity on Resting and Activated Platelets. <i>Biochemistry</i> , <b>2016</b> , 55, 1187-94	3.2	22
53	Pharmacological Blockade of Glycoprotein VI Promotes Thrombus Disaggregation in the Absence of Thrombin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 2127-2142	9.4	20
52	Low adhesion receptor levels on circulating platelets in patients with lymphoproliferative diseases before receiving Navitoclax (ABT-263). <i>Blood</i> , <b>2013</b> , 121, 1479-81	2.2	19

51	Restored platelet function after romiplostim treatment in a patient with immune thrombocytopenic purpura. <i>British Journal of Haematology</i> , <b>2010</b> , 149, 625-8	4.5	19
50	Nerve growth factor inhibits metalloproteinase-disintegrins and blocks ectodomain shedding of platelet glycoprotein VI. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 11793-9	5.4	19
49	Platelet Hyperreactivity in Diabetes: Focus on GPVI Signaling-Are Useful Drugs Already Available?. <i>Diabetes</i> , <b>2017</b> , 66, 7-13	0.9	18
48	The Glycoprotein Ib-IX-V Complex <b>2007</b> , 145-163		18
47	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> , <b>2003</b> , 1, 143-9		18
46	Transmembrane and trans-subunit regulation of ectodomain shedding of platelet glycoprotein Ibalpha. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 32096-104	5.4	17
45	Microparticles facilitate neutrophil/platelet crosstalk. <i>Blood</i> , <b>2008</b> , 112, 2174-5	2.2	17
44	Fractionation of snake venom metalloproteinases by metal ion affinity: a purified cobra metalloproteinase, Nk, from <i>Naja kaouthia</i> binds Ni <sup>2+</sup> -agarose. <i>Toxicon</i> , <b>2007</b> , 50, 1064-72	2.8	17
43	Soluble glycoprotein VI, a specific marker of platelet activation is increased in the plasma of subjects with seropositive rheumatoid arthritis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188027	3.7	13
42	Calmodulin interacts with the platelet ADP receptor P2Y1. <i>Biochemical Journal</i> , <b>2006</b> , 398, 339-43	3.8	12
41	Metalloproteolytic receptor shedding platelets "acting their age". <i>Platelets</i> , <b>2016</b> , 27, 512-8	3.6	11
40	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> , <b>2019</b> , 20,	6.3	10
39	Autologous platelet-rich plasma for healing chronic venous leg ulcers: Clinical efficacy and potential mechanisms. <i>International Wound Journal</i> , <b>2019</b> , 16, 788-792	2.6	10
38	Platelet physiology: in cold blood. <i>Current Biology</i> , <b>2003</b> , 13, R282-4	6.3	10
37	Successful renal denervation decreases the platelet activation status in hypertensive patients. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 202-210	9.9	9
36	Adenosine and Forskolin Inhibit Platelet Aggregation by Collagen but not the Proximal Signalling Events. <i>Thrombosis and Haemostasis</i> , <b>2019</b> , 119, 1124-1137	7	8
35	Bone Marrow Defects and Platelet Function: A Focus on MDS and CLL. <i>Cancers</i> , <b>2018</b> , 10,	6.6	8
34	The GPIb-IX-V Complex <b>2013</b> , 195-213		8

33	Loss of GPVI and GPIb $\beta$ contributes to trauma-induced platelet dysfunction in severely injured patients. <i>Blood Advances</i> , <b>2020</b> , 4, 2623-2630	7.8	7
32	Fibrin exposure triggers $\beta$ 3 $\alpha$ -independent platelet aggregate formation, ADAM10 activity and glycoprotein VI shedding in a charge-dependent manner. <i>Journal of Thrombosis and Haemostasis</i> , <b>2020</b> , 18, 1447-1458	15.4	7
31	An acquired defect associated with abnormal signaling of the platelet collagen receptor glycoprotein VI. <i>Acta Haematologica</i> , <b>2012</b> , 128, 233-41	2.7	7
30	Platelet Adhesion <b>2017</b> , 309-319		7
29	Effects of abacavir administration on structural and functional markers of platelet activation. <i>Aids</i> , <b>2015</b> , 29, 2309-13	3.5	6
28	The NET effect of clot formation. <i>Journal of Thrombosis and Haemostasis</i> , <b>2012</b> , 10, 133-5	15.4	6
27	Illustrated State-of-the-Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. <i>Research and Practice in Thrombosis and Haemostasis</i> , <b>2019</b> , 3, 431-497	5.1	5
26	An atypical IgM class platelet cold agglutinin induces GPVI-dependent aggregation of human platelets. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 114, 313-24	7	5
25	Methods to Determine the Lagrangian Shear Experienced by Platelets during Thrombus Growth. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144860	3.7	5
24	Platelet phenotype and function in the absence of splenic sequestration (Review). <i>Platelets</i> , <b>2021</b> , 32, 47-52	3.6	4
23	Immobilized collagen prevents shedding and induces sustained GPVI clustering and signaling in platelets. <i>Platelets</i> , <b>2021</b> , 32, 59-73	3.6	4
22	Low levels of CD9 coincidental with a novel nonsense mutation in glycoprotein Ib $\alpha$ in a patient with Bernard-Soulier syndrome. <i>Annals of Hematology</i> , <b>2015</b> , 94, 2069-71	3	3
21	Mechanisms of Platelet Dysfunction in Patients with Implantable Devices. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2018</b> , 44, 12-19	5.3	3
20	Monitoring the pulse of thrombus formation: Comment on "Modeling thrombosis in silico: Frontiers, challenges, unresolved problems and milestones" by A.V. Belyaev et al. <i>Physics of Life Reviews</i> , <b>2018</b> , 26-27, 113-115	2.1	3
19	Soluble glycoprotein VI is a predictor of major bleeding in patients with suspected heparin-induced thrombocytopenia. <i>Blood Advances</i> , <b>2020</b> , 4, 4327-4332	7.8	3
18	A Brief History of Blood Platelets: A Personal View <b>2017</b> , 3-9		2
17	Phosphoproteomic Analysis of Platelets in Severe Obesity Uncovers Platelet Reactivity and Signaling Pathways Alterations. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 478-490	9.4	2
16	Short and sweet science. <i>Research and Practice in Thrombosis and Haemostasis</i> , <b>2019</b> , 3, 429-430	5.1	2

15	Lymphomania. <i>Blood</i> , <b>2014</b> , 123, 3057-8	2.2	2
14	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> , <b>2001</b> , 8, 163-169		2
13	Neutrophil extracellular traps (NETs) and the role of platelets in infection. <i>Thrombosis and Haemostasis</i> , <b>2014</b> , 112, 659-665	7	2
12	Platelets ¶From Function to Dysfunction in Essential Thrombocythaemia. <i>European Oncology and Haematology</i> , <b>2011</b> , 07, 125	0.1	2
11	Liver-mediated shedding of platelet GPIIb/IIIa. <i>Blood</i> , <b>2016</b> , 128, 751-2	2.2	2
10	Inside platelets. <i>Blood</i> , <b>2012</b> , 119, 907-9	2.2	1
9	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> , <b>2001</b> , 8, 163-169		1
8	Mocarhagin <b>2004</b> , 696-699		1
7	Plasma levels of the soluble form of the FcγRIIIa receptor vary with receptor polymorphisms and are elevated in rheumatoid arthritis. <i>Platelets</i> , <b>2020</b> , 31, 392-398	3.6	1
6	Loss of the exocyst complex component EXOC3 promotes hemostasis and accelerates arterial thrombosis. <i>Blood Advances</i> , <b>2021</b> , 5, 674-686	7.8	0
5	The cutting edge of platelets. <i>Platelets</i> , <b>2017</b> , 28, 317-318	3.6	
4	Shedding of soluble glycoprotein VI is neither affected by animal-derived antiβ2-glycoprotein 1 antibodies nor IgG fractions from patients with systemic lupus erythematosus. <i>Blood Coagulation and Fibrinolysis</i> , <b>2020</b> , 31, 258-263	1	
3	FoxO function PAR excellence. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 108, 11	7	
2	Fc Binding by FcγRIIIa Is Essential for Cellular Activation by the Anti-FcγRIIIa mAbs 8.26 and 8.2. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 666813	8.4	
1	Glycoprotein (GP) VI Is Associated with GPIIb-IIIa on the Membrane of Resting and Activated Platelets. <i>Blood</i> , <b>2004</b> , 104, 1553-1553	2.2	