Robert Keith Andrews

List of Publications by Year
in descending order

128 papers	7,037 citations	44069 48 h-index	60623 81 g-index
129 all docs	129 docs citations	129 times ranked	5938 citing authors

#	Article	IF	Citations
1	Bernard-Soulier Syndrome. Blood, 1998, 91, 4397-4418.	1.4	540
2	Platelet physiology and thrombosis. Thrombosis Research, 2004, 114, 447-453.	1.7	358
3	Extracorporeal Membrane Oxygenationâ€"Hemostatic Complications. Transfusion Medicine Reviews, 2015, 29, 90-101.	2.0	329
4	Bcl-xLâ€"inhibitory BH3 mimetics can induce a transient thrombocytopathy that undermines the hemostatic function of platelets. Blood, 2011, 118, 1663-1674.	1.4	262
5	Molecular mechanisms of platelet adhesion and activation. International Journal of Biochemistry and Cell Biology, 1997, 29, 91-105.	2.8	198
6	Mocarhagin, a Novel Cobra Venom Metalloproteinase, Cleaves the Platelet von Willebrand Factor Receptor Glycoprotein Ibî±. Identification of the Sulfated Tyrosine/Anionic Sequence Tyr-276â^'Glu-282 of Glycoprotein Ibî± as a Binding Site for von Willebrand Factor and î±-Thrombinâ€. Biochemistry, 1996, 35, 4929-4938.	2.5	194
7	Binding of Thrombin to Glycoprotein Ib Accelerates the Hydrolysis of Par-1 on Intact Platelets. Journal of Biological Chemistry, 2001, 276, 4692-4698.	3.4	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. Biochemistry, 1989, 28, 8317-8326.	2.5	172
9	Regulation of platelet activation and thrombus formation by reactive oxygen species. Redox Biology, 2018, 14, 126-130.	9.0	164
10	Regulation of platelet membrane levels of glycoprotein VI by a platelet-derived metalloproteinase. Blood, 2004, 104, 3611-3617.	1.4	147
11	Association of Fyn and Lyn with the Proline-rich Domain of Glycoprotein VI Regulates Intracellular Signaling. Journal of Biological Chemistry, 2002, 277, 21561-21566.	3.4	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€. Biochemistry, 1998, 37, 638-647.	2.5	134
13	Requirement of leucine-rich repeats of glycoprotein (GP) Ibî± for shear-dependent and static binding of von Willebrand factor to the platelet membrane GP Ibâ€"IX-V complex. Blood, 2000, 95, 903-910.	1.4	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. Blood, 2001, 97, 162-168.	1.4	131
15	Cross-linking of a monomeric 39/34-kDa dispase 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. Biochemistry, 1989, 28, 8326-8336.	2.5	120
16	Platelet glycoprotein Vlâ€related clinical defects. British Journal of Haematology, 2007, 139, 363-372.	2.5	116
17	CLEC-2 expression is maintained on activated platelets and on platelet microparticles. Blood, 2014, 124, 2262-2270.	1.4	104
18	Pathologic shear triggers shedding of vascular receptors: a novel mechanism for down-regulation of platelet glycoprotein VI in stenosed coronary vessels. Blood, 2012, 119, 4311-4320.	1.4	101

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19	Interaction of calmodulin with the cytoplasmic domain of the platelet membrane glycoprotein Ib-IX-V complex. Blood, 2001, 98, 681-687.	1.4	97
20	Glycoprotein VI is associated with GPIb-IX-V on the membrane of resting and activated platelets. Thrombosis and Haemostasis, 2005, 93, 716-723.	3.4	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. Journal of Biological Chemistry, 1995, 270, 26734-26737.	3.4	94
22	Platelet Receptor Proteolysis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1511-1520.	2.4	89
23	The platelet Fc receptor, FcÎ³RIIa. Immunological Reviews, 2015, 268, 241-252.	6.0	87
24	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. Journal of Experimental Medicine, 2015, 212, 129-137.	8.5	87
25	Coagulation-induced shedding of platelet glycoprotein VI mediated by factor Xa. Blood, 2011, 117, 3912-3920.	1.4	84
26	New insights into the haemostatic function of platelets. British Journal of Haematology, 2009, 147, 415-430.	2.5	81
27	Interaction of calmodulin with the cytoplasmic domain of platelet glycoprotein VI. Blood, 2002, 99, 4219-4221.	1.4	79
28	Dual ITAM-mediated proteolytic pathways for irreversible inactivation of platelet receptors: de-ITAM-izing FcÎ³RIIa. Blood, 2008, 111, 165-174.	1.4	77
29	Soluble Glycoprotein VI Is Raised in the Plasma of Patients With Acute Ischemic Stroke. Stroke, 2011, 42, 498-500.	2.0	77
30	Bernard-Soulier Syndrome: An Update. Seminars in Thrombosis and Hemostasis, 2013, 39, 656-662.	2.7	77
31	Characterization of human platelet GMP-140 as a heparin-binding protein. Biochemical and Biophysical Research Communications, 1989, 164, 1373-1379.	2.1	75
32	BINDING OF THE VON WILLEBRAND FACTOR A1 DOMAIN TO HISTONE. Thrombosis Research, 1997, 86, 469-477.	1.7	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. Blood, 2001, 98, 1440-1447.	1.4	69
34	Measuring soluble platelet glycoprotein VI in human plasma by ELISA. Platelets, 2009, 20, 143-149.	2.3	68
35	Primary Platelet Adhesion Receptors. IUBMB Life, 2005, 57, 103-108.	3.4	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. Blood, 2000, 95, 164-172.	1.4	65

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37	Neutrophil extracellular traps (NETs) and the role of platelets in infection. Thrombosis and Haemostasis, 2014, 112, 659-665.	3.4	65
38	Current State and Novel Approaches of Antiplatelet Therapy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1327-1338.	2.4	62
39	Platelet Receptor Expression and Shedding: Glycoprotein Ib-IX-V and Glycoprotein VI. Transfusion Medicine Reviews, 2014, 28, 56-60.	2.0	61
40	A Novel Viper Venom Metalloproteinase, Alborhagin, Is an Agonist at the Platelet Collagen Receptor GPVI. Journal of Biological Chemistry, 2001, 276, 28092-28097.	3.4	60
41	Thrombin-induced reactive oxygen species generation in platelets: A novel role for protease-activated receptor 4 and GPIbÎ±. Redox Biology, 2015, 6, 640-647.	9.0	59
42	Glycoproteins VI and Ib-IX-V stimulate tyrosine phosphorylation of tyrosine kinase Syk and phospholipase Cgamma2 at distinct sites. Biochemical Journal, 2004, 378, 1023-1029.	3.7	54
43	Mechanisms of receptor shedding in platelets. Blood, 2018, 132, 2535-2545.	1.4	53
44	Platelet Interactions in Thrombosis. IUBMB Life, 2004, 56, 13-18.	3.4	52
45	Ligand Binding Rapidly Induces Disulfide-dependent Dimerization of Glycoprotein VI on the Platelet Plasma Membrane. Journal of Biological Chemistry, 2007, 282, 30434-30441.	3.4	52
46	Neutrophil extracellular traps (NETs) and infection-related vascular dysfunction. Blood Reviews, 2012, 26, 255-259.	5.7	52
47	Adhesion Maturation of Neutrophils on Nanoscopically Presented Platelet Glycoprotein IbÎ±. ACS Nano, 2013, 7, 9984-9996.	14.6	51
48	14-3-3Î¶ regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. Nature Communications, 2016, 7, 12862.	12.8	49
49	Activation of the 43 kDa Inositol Polyphosphate 5-Phosphatase by 14-3-3Î¶â€. Biochemistry, 1997, 36, 15363-15370.	2.5	48
50	Snake venom probes of platelet adhesion receptors and their ligands. Toxicon, 2005, 45, 1051-1061.	1.6	48
51	Pharmacological Blockade of Glycoprotein VI Promotes Thrombus Disaggregation in the Absence of Thrombin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2127-2142.	2.4	48
52	GPIbÎ±-selective activation of platelets induces platelet signaling events comparable to GPVI activation events. Platelets, 2010, 21, 244-252.	2.3	45
53	A functional 14-3-3Î¶â€“independent association of PI3-kinase with glycoprotein IbÎ±, the major ligand-binding subunit of the platelet glycoprotein Ib-IX-V complex. Blood, 2008, 111, 4580-4587.	1.4	43
54	Targeting GPVI as a novel antithrombotic strategy. Journal of Blood Medicine, 2014, 5, 59.	1.7	43

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55	Platelet receptor redox regulation. Platelets, 2008, 19, 1-8.	2.3	42
56	Soluble GPVI is elevated in injured patients: shedding is mediated by fibrin activation of GPVI. Blood Advances, 2018, 2, 240-251.	5.2	41
57	Platelet adhesion: a game of catch and release. Journal of Clinical Investigation, 2008, 118, 3009-11.	8.2	40
58	Structure and Function of Platelet Receptors Initiating Blood Clotting. Advances in Experimental Medicine and Biology, 2014, 844, 263-275.	1.6	40
59	Anti-glycoprotein VI monoclonal antibodies directly aggregate platelets independently of FcÎ³RIIa and induce GPVI ectodomain shedding. Platelets, 2009, 20, 75-82.	2.3	39
60	Focusing on plasma glycoprotein VI. Thrombosis and Haemostasis, 2012, 107, 648-655.	3.4	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. Journal of Heart and Lung Transplantation, 2016, 35, 743-751.	0.6	38
62	Neutrophil extracellular traps (NETs) and the role of platelets in infection. Thrombosis and Haemostasis, 2014, 112, 659-665.	3.4	37
63	Role of Calmodulin in Platelet Receptor Function. Current Medicinal Chemistry Cardiovascular and Hematological Agents, 2005, 3, 283-287.	1.7	36
64	Proteolysis of platelet receptors in humans and other species. Biological Chemistry, 2010, 391, 893-900.	2.5	34
65	Basic mechanisms of platelet receptor shedding. Platelets, 2017, 28, 319-324.	2.3	34
66	Proteolytic cleavage of platelet endothelial cell adhesion molecule-1 (PECAM-1/CD31) is regulated by a calmodulin-binding motif. FEBS Letters, 2004, 568, 70-78.	2.8	29
67	Loss of GPVI and GPIbÎ± contributes to trauma-induced platelet dysfunction in severely injured patients. Blood Advances, 2020, 4, 2623-2630.	5.2	29
68	A-Disintegrin-And-Metalloproteinase (ADAM) 10 Activity on Resting and Activated Platelets. Biochemistry, 2016, 55, 1187-1194.	2.5	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. Thrombosis and Haemostasis, 2007, 98, 1285-1290.	3.4	26
71	A familial platelet function disorder associated with abnormal signalling through the glycoprotein VI pathway. British Journal of Haematology, 2007, 137, 569-577.	2.5	26
72	Platelet Receptor Shedding. Methods in Molecular Biology, 2012, 788, 321-339.	0.9	26

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73	Structure-activity Relationships of Snake Toxins Targeting Platelet Receptors, Glycoprotein Ib-IX-V and Glycoprotein VI. Current Medicinal Chemistry Cardiovascular and Hematological Agents, 2003, 1, 143-149.	1.7	25
74	Platelet Hyperreactivity in Diabetes: Focus on GPVI Signalingâ€"Are Useful Drugs Already Available?. Diabetes, 2017, 66, 7-13.	0.6	24
75	The 14-3-3Î¶-GPIb-IX-V Complex as an Antiplatelet Target. Drug News and Perspectives, 2007, 20, 285.	1.5	24
76	Nerve Growth Factor Inhibits Metalloproteinase-Disintegrins and Blocks Ectodomain Shedding of Platelet Glycoprotein VI. Journal of Biological Chemistry, 2010, 285, 11793-11799.	3.4	22
77	Restored platelet function after romiplostim treatment in a patient with immune thrombocytopenic purpura. British Journal of Haematology, 2010, 149, 625-628.	2.5	20
78	Low adhesion receptor levels on circulating platelets in patients with lymphoproliferative diseases before receiving Navitoclax (ABT-263). Blood, 2013, 121, 1479-1481.	1.4	20
79	Fractionation of snake venom metalloproteinases by metal ion affinity: A purified cobra metalloproteinase, Nk, from Naja kaouthia binds Ni2+-agarose. Toxicon, 2007, 50, 1064-1072.	1.6	19
80	Metalloproteolytic receptor sheddingâ€¦platelets â€œacting their ageâ€• Platelets, 2016, 27, 512-518.	2.3	19
81	Transmembrane and Trans-subunit Regulation of Ectodomain Shedding of Platelet Glycoprotein IbÎ±. Journal of Biological Chemistry, 2010, 285, 32096-32104.	3.4	18
82	Microparticles facilitate neutrophil/platelet crosstalk. Blood, 2008, 112, 2174-2175.	1.4	17
83	Novel Stenotic Microchannels to Study Thrombus Formation in Shear Gradients: Influence of Shear Forces and Human Platelet-Related Factors. International Journal of Molecular Sciences, 2019, 20, 2967.	4.1	17
84	Fibrin exposure triggers Î±IIbÎ²3â€•independent platelet aggregate formation, ADAM10 activity and glycoprotein VI shedding in a chargeâ€•dependent manner. Journal of Thrombosis and Haemostasis, 2020, 18, 1447-1458.	3.8	16
85	Soluble glycoprotein VI, a specific marker of platelet activation is increased in the plasma of subjects with seropositive rheumatoid arthritis. PLoS ONE, 2017, 12, e0188027.	2.5	15
86	Immobilized collagen prevents shedding and induces sustained GPVI clustering and signaling in platelets. Platelets, 2021, 32, 59-73.	2.3	15
87	Adenosine and Forskolin Inhibit Platelet Aggregation by Collagen but not the Proximal Signalling Events. Thrombosis and Haemostasis, 2019, 119, 1124-1137.	3.4	14
88	Bone Marrow Defects and Platelet Function: A Focus on MDS and CLL. Cancers, 2018, 10, 147.	3.7	13
89	Autologous plateletâ€•rich plasma for healing chronic venous leg ulcers: Clinical efficacy and potential mechanisms. International Wound Journal, 2019, 16, 788-792.	2.9	13
90	Successful renal denervation decreases the platelet activation status in hypertensive patients. Cardiovascular Research, 2020, 116, 202-210.	3.8	13

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91	Calmodulin interacts with the platelet ADP receptor P2Y1. Biochemical Journal, 2006, 398, 339-343.	3.7	12
92	Platelets: Envoys at the Infection Frontline. Journal of Infectious Diseases, 2013, 208, 871-873.	4.0	12
93	Plasma sGPVI: Changing levels in human disease. Thrombosis Research, 2014, 133, 306-307.	1.7	12
94	Phosphoproteomic Analysis of Platelets in Severe Obesity Uncovers Platelet Reactivity and Signaling Pathways Alterations. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 478-490.	2.4	12
95	Platelet Physiology: In Cold Blood. Current Biology, 2003, 13, R282-R284.	3.9	11
96	Illustrated Stateâ€ofâ€theâ€Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. Research and Practice in Thrombosis and Haemostasis, 2019, 3, 431-497.	2.3	11
97	Platelet phenotype and function in the absence of splenic sequestration (Review). Platelets, 2021, 32, 47-52.	2.3	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. Blood Advances, 2020, 4, 4327-4332.	5.2	9
100	An Acquired Defect Associated with Abnormal Signaling of the Platelet Collagen Receptor Glycoprotein VI. Acta Haematologica, 2012, 128, 233-241.	1.4	7
101	The NET effect of clot formation. Journal of Thrombosis and Haemostasis, 2012, 10, 133-135.	3.8	7
102	Platelet Adhesion. , 2017, , 309-319.		7
103	Methods to Determine the Lagrangian Shear Experienced by Platelets during Thrombus Growth. PLoS ONE, 2015, 10, e0144860.	2.5	7
104	Effects of abacavir administration on structural and functional markers of platelet activation. Aids, 2015, 29, 2309-2313.	2.2	6
105	Low levels of CD9 coincidental with a novel nonsense mutation in glycoprotein Ibî² in a patient with Bernard-Soulier syndrome. Annals of Hematology, 2015, 94, 2069-2071.	1.8	6
106	Loss of the exocyst complex component EXOC3 promotes hemostasis and accelerates arterial thrombosis. Blood Advances, 2021, 5, 674-686.	5.2	6
107	An atypical IgM class platelet cold agglutinin induces GPVI-dependent aggregation of human platelets. Thrombosis and Haemostasis, 2015, 114, 313-324.	3.4	5
108	Mechanisms of Platelet Dysfunction in Patients with Implantable Devices. Seminars in Thrombosis and Hemostasis, 2018, 44, 012-019.	2.7	5

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109	Lymphomania. Blood, 2014, 123, 3057-3058.	1.4	3
110	Liver-mediated shedding of platelet GPVI. Blood, 2016, 128, 751-752.	1.4	3
111	Monitoring the pulse of thrombus formation. Physics of Life Reviews, 2018, 26-27, 113-115.	2.8	3
112	Short and sweet science. Research and Practice in Thrombosis and Haemostasis, 2019, 3, 429-430.	2.3	3
113	Platelets â€" From Function to Dysfunction in Essential Thrombocythaemia. European Oncology and Haematology, 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. International Journal of Peptide Research and Therapeutics, 2001, 8, 163-169.	0.1	2
115	DiagnoSTic assays for heparin-induced thrombocytopenia. British Journal of Haematology, 2014, 166, 631-633.	2.5	2
116	A Brief History of Blood Platelets: A Personal View. , 2017, , 3-9.		2
117	Fc Binding by FcÎ³RIIa Is Essential for Cellular Activation by the Anti-FcÎ³RIIa mAbs 8.26 and 8.2. Frontiers in Immunology, 2021, 12, 666813.	4.8	2
118	Title is missing!. International Journal of Peptide Research and Therapeutics, 2001, 8, 163-169.	0.1	1
119	Inside plateletsâ€¦. Blood, 2012, 119, 907-909.	1.4	1
120	FoxO function PAR excellenceâ€¦. Thrombosis and Haemostasis, 2012, 108, 11.	3.4	1
121	Platelet hem-Immunoreceptor Tyrosineâ€"Based Activation Motif Receptors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 884-885.	2.4	1
122	Platelet Ubiquitylationâ€"It's Everywhere. Thrombosis and Haemostasis, 2019, 119, 006-008.	3.4	1
123	Plasma levels of the soluble form of the FcÎ³RIIa receptor vary with receptor polymorphisms and are elevated in rheumatoid arthritis. Platelets, 2020, 31, 392-398.	2.3	1
124	Mocarhagin. , 2004, , 696-699.		1
125	Editorial: ADAMs control inflammation from afar. Journal of Leukocyte Biology, 2015, 97, 437-438.	3.3	0
126	The cutting edge of platelets. Platelets, 2017, 28, 317-318.	2.3	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.	1.0	0
128	Glycoprotein (GP) VI Is Associated with GPIb-IX-V on the Membrane of Resting and Activated Platelets.. Blood, 2004, 104, 1553-1553.	1.4	0