

Dermot Cox

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

4,587
citations

34
h-index

67
g-index

91
ext. papers

5,078
ext. citations

7.5
avg, IF

5.35
L-index

#	Paper	IF	Citations
81	The pharmacology, metabolism, analysis, and applications of coumarin and coumarin-related compounds. <i>Drug Metabolism Reviews</i> , 1990 , 22, 503-29	7	429
80	Integrins as therapeutic targets: lessons and opportunities. <i>Nature Reviews Drug Discovery</i> , 2010 , 9, 804-811	10.1	353
79	The interaction of bacterial pathogens with platelets. <i>Nature Reviews Microbiology</i> , 2006 , 4, 445-57	22.2	333
78	Multiple mechanisms for the activation of human platelet aggregation by <i>Staphylococcus aureus</i> : roles for the clumping factors ClfA and ClfB, the serine-aspartate repeat protein SdrE and protein A. <i>Molecular Microbiology</i> , 2002 , 44, 1033-44	4.1	237
77	Platelets and the innate immune system: mechanisms of bacterial-induced platelet activation. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 1097-107	15.4	191
76	Platelet response to low-dose enteric-coated aspirin in patients with stable cardiovascular disease. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 1258-63	15.1	167
75	Effect of enteric coating on antiplatelet activity of low-dose aspirin in healthy volunteers. <i>Stroke</i> , 2006 , 37, 2153-8	6.7	162
74	Cyclooxygenase-1 haplotype modulates platelet response to aspirin. <i>Journal of Thrombosis and Haemostasis</i> , 2005 , 3, 2340-5	15.4	154
73	Fibronectin-binding proteins of <i>Staphylococcus aureus</i> mediate activation of human platelets via fibrinogen and fibronectin bridges to integrin GPIIb/IIIa and IgG binding to the FcγRIIIa receptor. <i>Molecular Microbiology</i> , 2006 , 59, 212-30	4.1	153
72	A serine-rich glycoprotein of <i>Streptococcus sanguis</i> mediates adhesion to platelets via GPIb. <i>British Journal of Haematology</i> , 2005 , 129, 101-9	4.5	145
71	Roles for fibrinogen, immunoglobulin and complement in platelet activation promoted by <i>Staphylococcus aureus</i> clumping factor A. <i>Molecular Microbiology</i> , 2005 , 57, 804-18	4.1	135
70	<i>Helicobacter pylori</i> binds von Willebrand factor and interacts with GPIb to induce platelet aggregation. <i>Gastroenterology</i> , 2003 , 124, 1846-54	13.3	129
69	Evidence of platelet activation during treatment with a GPIIb/IIIa antagonist in patients presenting with acute coronary syndromes. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 1514-9	15.1	128
68	The pharmacology of the integrins. <i>Medicinal Research Reviews</i> , 1994 , 14, 195-228	14.4	115
67	Amplification of bacteria-induced platelet activation is triggered by FcγRIIA, integrin αIIbβ3, and platelet factor 4. <i>Blood</i> , 2014 , 123, 3166-74	2.2	101
66	A role for glycoprotein Ib in <i>Streptococcus sanguis</i> -induced platelet aggregation. <i>Blood</i> , 2002 , 100, 509-16	16.2	101
65	Functions of cell surface-anchored antigen I/II family and Hsa polypeptides in interactions of <i>Streptococcus gordonii</i> with host receptors. <i>Infection and Immunity</i> , 2005 , 73, 6629-38	3.7	94

64	Platelet-bacterial interactions. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 513-23	10.3	82
63	Staphylococcus aureus protein A binding to von Willebrand factor A1 domain is mediated by conserved IgG binding regions. <i>FEBS Journal</i> , 2006 , 273, 4831-41	5.7	77
62	Molecular basis for Staphylococcus aureus-mediated platelet aggregate formation under arterial shear in vitro. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 335-40	9.4	76
61	Quantifying GPIIb/IIIa receptor binding using 2 monoclonal antibodies: discriminating abciximab and small molecular weight antagonists. <i>Circulation</i> , 1999 , 99, 2231-8	16.7	75
60	The role of platelets in the pathogenesis of viral hemorrhagic fevers. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2858	4.8	67
59	Both complement- and fibrinogen-dependent mechanisms contribute to platelet aggregation mediated by Staphylococcus aureus clumping factor B. <i>Infection and Immunity</i> , 2007 , 75, 3335-43	3.7	63
58	Role of Streptococcus gordonii surface proteins SspA/SspB and Hsa in platelet function. <i>Infection and Immunity</i> , 2007 , 75, 5740-7	3.7	62
57	Invasive Streptococcus pneumoniae trigger platelet activation via Toll-like receptor 2. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 2757-65	15.4	61
56	Human platelets recognize a novel surface protein, PadA, on Streptococcus gordonii through a unique interaction involving fibrinogen receptor GPIIb/IIIa. <i>Infection and Immunity</i> , 2010 , 78, 413-22	3.7	59
55	Oral GPIIb/IIIa antagonists: what went wrong?. <i>Current Pharmaceutical Design</i> , 2004 , 10, 1587-96	3.3	59
54	Elucidating the role of Staphylococcus epidermidis serine-aspartate repeat protein G in platelet activation. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 1364-72	15.4	57
53	The role of platelets in the pathogenesis of cerebral malaria. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 557-68	10.3	57
52	The role of weight and enteric coating on aspirin response in cardiovascular patients. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 2323-5	15.4	50
51	Human platelet activation by Escherichia coli: roles for FcγRIIA and integrin αIIbβ3. <i>Platelets</i> , 2016 , 27, 535-40	3.6	41
50	The role of immunoglobulin G and fibrinogen in platelet aggregation by Streptococcus sanguis. <i>British Journal of Haematology</i> , 1997 , 97, 737-46	4.5	40
49	Pentamidine: A Non-Peptide GPIIb/IIIa Antagonist In Vitro Studies on Platelets from Humans and Other Species. <i>Thrombosis and Haemostasis</i> , 1992 , 68, 731-736	7	36
48	The anti-platelet and anti-thrombotic effects of FK633, a peptide-mimetic GPIIb/IIIa antagonist. <i>Thrombosis Research</i> , 1996 , 81, 439-50	8.2	34
47	Methods for monitoring platelet function. <i>American Heart Journal</i> , 1998 , 135, S160-9	4.9	31

46	Glycoprotein Iba and FcBa play key roles in platelet activation by the colonizing bacterium, <i>Streptococcus oralis</i> . <i>Journal of Thrombosis and Haemostasis</i> , 2013 , 11, 941-50	15.4	27
45	Young male smokers have altered platelets and endothelium that precedes atherosclerosis. <i>Journal of Surgical Research</i> , 2004 , 116, 227-33	2.5	26
44	Optimal suppression of thromboxane A(2) formation by aspirin during percutaneous transluminal coronary angioplasty: no additional effect of a selective cyclooxygenase-2 inhibitor. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 526-31	15.1	25
43	<i>Escherichia coli</i> induces platelet aggregation in an FcBa-dependent manner. <i>Journal of Thrombosis and Haemostasis</i> , 2016 , 14, 797-806	15.4	23
42	Glycoprotein IIb/IIIa inhibition enhances platelet nitric oxide release. <i>Thrombosis Research</i> , 2004 , 113, 225-33	8.2	22
41	Intranasal and intravenous administration of octa-arginine modified poly(lactic-co-glycolic acid) nanoparticles facilitates central nervous system delivery of loperamide. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 525-36	4.8	21
40	Chronic intermittent asphyxia increases platelet reactivity in rats. <i>Experimental Physiology</i> , 2005 , 90, 411-6	2.4	21
39	Prevalence of ex vivo high on-treatment platelet reactivity on antiplatelet therapy after transient ischemic attack or ischemic stroke on the PFA-100(□) and VerifyNow(□). <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013 , 22, e84-92	2.8	20
38	Mechanism of outside-in {alpha}IIb{beta}3-mediated activation of human platelets by the colonizing Bacterium, <i>Streptococcus gordonii</i> . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2408-15	9.4	20
37	<i>Helicobacter pylori</i> -induced inhibition of vascular endothelial cell functions: a role for VacA-dependent nitric oxide reduction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1403-13	5.2	18
36	Comparison of the antithrombotic effects of FK633, GPIIb/IIIa antagonist, and aspirin in a guinea pig thrombosis model. <i>Thrombosis Research</i> , 1998 , 89, 129-36	8.2	16
35	Platelet interactions with viruses and parasites. <i>Platelets</i> , 2015 , 26, 317-23	3.6	15
34	Multiple sites on <i>Streptococcus gordonii</i> surface protein PadA bind to platelet GPIIbIIIa. <i>Thrombosis and Haemostasis</i> , 2013 , 110, 1278-1287	7	14
33	Pentamidine Is a Specific, Non-Peptide, GPIIb/IIIa Antagonist. <i>Thrombosis and Haemostasis</i> , 1996 , 75, 503-509	7	14
32	Characterization of the binding of FK633 to the platelet fibrinogen receptor. <i>Thrombosis Research</i> , 1998 , 91, 129-36	8.2	13
31	C-reactive protein binds to alphaIIbbeta3. <i>Journal of Thrombosis and Haemostasis</i> , 2008 , 6, 1239-41	15.4	12
30	<i>Helicobacter pylori</i> induces cyclooxygenase-1 and cyclooxygenase-2 expression in vascular endothelial cells. <i>Scandinavian Journal of Gastroenterology</i> , 2003 , 38, 1023-30	2.4	11
29	TIN-a combinatorial compound collection of synthetically feasible multicomponent synthesis products. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 986-95	6.1	9

28	Bacteria-platelet interactions. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 1865-6	15.4	9
27	Effects of coumarins, haematoporphyrins and acridine orange on the viability and growth of Landshil ascites tumour cells, in the presence and absence of photoradiation. <i>Cancer Letters</i> , 1990 , 52, 71-7	9.9	9
26	Lack of Bioequivalence Among Low-dose, Enteric-coated Aspirin Preparations. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 1047-1051	6.1	7
25	Early Host Interactions That Drive the Dysregulated Response in Sepsis. <i>Frontiers in Immunology</i> , 2019 , 10, 1748	8.4	7
24	A novel role for the fibrinogen Asn-Gly-Arg (NGR) motif in platelet function. <i>Thrombosis and Haemostasis</i> , 2015 , 113, 290-304	7	7
23	The therapeutic potential of I-domain integrins. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 819, 157-78	3.6	7
22	Anti-platelet agents: past, present and future. <i>ISBT Science Series</i> , 2020 , 15, 131-141	1.1	7
21	Acceleration of nitric oxide (NO) release from FK409, a spontaneous NO releaser, in the presence of sulfhydryl-bearing compounds. <i>Pharmaceutical Research</i> , 1995 , 12, 1948-52	4.5	6
20	The thrombotic potential of oral pathogens. <i>Journal of Oral Microbiology</i> , 2009 , 1,	6.3	5
19	Mapping the dose-effect relationship of orbofiban from sparse data with an artificial neural network. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 2475-86	3.9	5
18	Weight as an assay-independent predictor of poor response to enteric aspirin in cardiovascular patients. <i>Platelets</i> , 2020 , 31, 530-535	3.6	5
17	Characterization of a Ligand-attenuated Binding Site on Glycoprotein IIb/IIIa. <i>Thrombosis and Haemostasis</i> , 2002 , 88, 811-816	7	4
16	Impact of genetic variation in the 5-HT transporter and receptor on platelet function in patients with stable CAD taking aspirin. <i>Thrombosis Research</i> , 2016 , 146, 51-55	8.2	4
15	Continuous positive airway pressure and platelet activation in obstructive sleep apnoea. <i>Respiration</i> , 2009 , 77, 18-20	3.7	3
14	Section Review Cardiovascular & Renal: Integrins and Cardiovascular Disease. <i>Expert Opinion on Investigational Drugs</i> , 1995 , 4, 413-423	5.9	3
13	Drug insight: aspirin resistance-fact or fashion?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, E1; author reply E2		3
12	Targeting SARS-CoV-2-Platelet Interactions in COVID-19 and Vaccine-Related Thrombosis. <i>Frontiers in Pharmacology</i> , 2021 , 12, 708665	5.6	3
11	G-protein beta3 subunit polymorphism and bleeding in the orbofiban in patients with unstable coronary syndromes-thrombolysis in myocardial infarction 16 trial. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 934-41	15.4	2

10	Ligand-binding assays: fibrinogen. <i>Methods in Molecular Biology</i> , 2004 , 273, 125-38	1.4	2
9	Thrombosis and nitric oxide donor drugs. <i>Thrombosis and Haemostasis</i> , 2004 , 91, 848-50	7	2
8	How not to discover a drug - integrins. <i>Expert Opinion on Drug Discovery</i> , 2021 , 16, 197-211	6.2	2
7	Editorial [Hot Topic:The Search for Novel Anti-Thrombotic Drug Targets (Executive Editor: Dermot Cox)]. <i>Current Pharmaceutical Design</i> , 2007 , 13, 2638-2639	3.3	1
6	Simultaneous Release of a Hydroxy-Methylglutaryl Coenzyme A Reductase Inhibitor and a Glycoprotein IIb/IIIa Antagonist from a Thermoresponsive NiPAAm/NtBAAM Copolymer System. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011 , 02, 18-27	1	1
5	Platelet pharmacology 2001 , 341-366		
4	Production and characterization of monoclonal antibodies to fibrinogen. <i>Biochemical Society Transactions</i> , 1989 , 17, 1057-8	5.1	
3	Platelet Function Studies 2005 , 201-222		
2	The Effect of Bacterial Toxins on Platelet Function 2010 , 637-651		
1	Platelets as Mediators of the Vascular Response to Infection 2016 , 23-30		