Steven E Mckenzie

List of Publications by Year
in descending order

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91 papers	4,582 citations	136740 32 h-index	106150 65 g-index
92 all docs	92 docs citations	92 times ranked	6387 citing authors

#	Article	IF	Citations
1	The complex transcriptional landscape of the anucleate human platelet. BMC Genomics, 2013, 14, 1.	1.2	913
2	Analysis of 13 cell types reveals evidence for the expression of numerous novel primate- and tissue-specific microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1106-15.	3.3	376
3	Ultralarge complexes of PF4 and heparin are central to the pathogenesis of heparin-induced thrombocytopenia. Blood, 2005, 105, 131-138.	0.6	272
4	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics. Blood, 2014, 123, e37-e45.	0.6	199
5	Heparin-induced thrombocytopenia/thrombosis in a transgenic mouse model requires human platelet factor 4 and platelet activation through FcÎ³RIIA. Blood, 2001, 98, 2442-2447.	0.6	193
6	Platelet Count and Sepsis in Very Low Birth Weight Neonates: Is There an Organism-Specific Response?. Pediatrics, 2003, 111, 1411-1415.	1.0	177
7	Platelets release pathogenic serotonin and return to circulation after immune complex-mediated sequestration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1550-E1559.	3.3	164
8	FcÎ³RIIA H/R131 Polymorphism, Subclass-Specific IgG Anti-Heparin/Platelet Factor 4 Antibodies and Clinical Course in Patients With Heparin-Induced Thrombocytopenia and Thrombosis. Blood, 1997, 89, 370-375.	0.6	122
9	PRT-060318, a novel Syk inhibitor, prevents heparin-induced thrombocytopenia and thrombosis in a transgenic mouse model. Blood, 2011, 117, 2241-2246.	0.6	115
10	Differential expression of FcÎ³ RIIA, FcÎ³ RIIB and FcÎ³ RIIC in hematopoietic cells: Analysis of transcripts. Molecular Immunology, 1993, 30, 451-460.	1.0	110
11	Cholesterol Enrichment of Human Monocyte/Macrophages Induces Surface Exposure of Phosphatidylserine and the Release of Biologically-Active Tissue Factorâ€“Positive Microvesicles. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 430-435.	1.1	108
12	Platelet transactivation by monocytes promotes thrombosis in heparin-induced thrombocytopenia. Blood, 2016, 127, 464-472.	0.6	86
13	Cooperative integrin/ITAM signaling in platelets enhances thrombus formation in vitro and in vivo. Blood, 2013, 121, 1858-1867.	0.6	84
14	Platelet 12-LOX is essential for FcÎ³RIIa-mediated platelet activation. Blood, 2014, 124, 2271-2279.	0.6	81
15	MicroRNA Expression Differences in Human Hematopoietic Cell Lineages Enable Regulated Transgene Expression. PLoS ONE, 2014, 9, e102259.	1.1	77
16	The human platelet: strong transcriptome correlations among individuals associate weakly with the platelet proteome. Biology Direct, 2014, 9, 3.	1.9	77
17	Heparin-induced thrombocytopenia: An autoimmune disorder regulated through dynamic autoantigen assembly/disassembly. Journal of Clinical Apheresis, 2007, 22, 31-36.	0.7	74
18	Fey receptors in phagocytes. Current Opinion in Hematology, 1998, 5, 16-21.	1.2	73

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19	Development of spontaneous multisystem autoimmune disease and hypersensitivity to antibody-induced inflammation in Fcî³ receptor IIa-transgenic mice. Arthritis and Rheumatism, 2005, 52, 3220-3229.	6.7	73
20	Effect of Hydrophobicity and Electrostatics on Adsorption and Surface Diffusion of DNA Oligonucleotides at Liquid/Solid Interfaces. Journal of Colloid and Interface Science, 1998, 203, 197-207.	5.0	69
21	Platelet Fcî³RIIA binds and internalizes IgG-containing complexes. Experimental Hematology, 2006, 34, 1490-1495.	0.2	65
22	CalDAG-GEFI deficiency protects mice in a novel model of Fcî³RIIA-mediated thrombosis and thrombocytopenia. Blood, 2011, 118, 1113-1120.	0.6	61
23	Platelets release mitochondrial antigens in systemic lupus erythematosus. Science Translational Medicine, 2021, 13, .	5.8	59
24	Localization of distal regulatory domains in the megakaryocyte-specific platelet basic protein/platelet factor 4 gene locus. Blood, 2001, 98, 610-617.	0.6	52
25	Antiâ€“miR-148a regulates platelet Fcî³RIIA signaling and decreases thrombosis in vivo in mice. Blood, 2015, 126, 2871-2881.	0.6	49
26	Thrombosis and shock induced by activating antiplatelet antibodies in human Fcî³RIIA transgenic mice: the interplay among antibody, spleen, and Fc receptor. Blood, 2000, 96, 4254-4260.	0.6	45
27	PF4/heparin complexes are T cellâ€“dependent antigens. Blood, 2005, 106, 929-931.	0.6	45
28	The antigenic complex in HIT binds to B cells via complement and complement receptor 2 (CD21). Blood, 2016, 128, 1789-1799.	0.6	45
29	Platelets Disseminate Extracellular Vesicles in Lymph in Rheumatoid Arthritis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 929-942.	1.1	40
30	Identification of a Developmental Gene Expression Signature, Including HOX Genes, for the Normal Human Colonic Crypt Stem Cell Niche: Overexpression of the Signature Parallels Stem Cell Overpopulation During Colon Tumorigenesis. Stem Cells and Development, 2014, 23, 167-179.	1.1	38
31	Endothelial antigen assembly leads to thrombotic complications in heparin-induced thrombocytopenia. Journal of Clinical Investigation, 2017, 127, 1090-1098.	3.9	37
32	Parallel molecular genetic analysis. European Journal of Human Genetics, 1998, 6, 417-429.	1.4	36
33	Advances in the pathophysiology and treatment of heparin-induced thrombocytopenia. Current Opinion in Hematology, 2014, 21, 380-387.	1.2	33
34	Cleavage of anti-PF4/heparin IgG by a bacterial protease and potential benefit in heparin-induced thrombocytopenia. Blood, 2019, 133, 2427-2435.	0.6	33
35	Kinetics of heterogeneous hybridization on indium tin oxide surfaces with and without an applied potential. Electrophoresis, 2002, 23, 1551.	1.3	30
36	Mechanisms of Action of Therapeutics in Idiopathic Thrombocytopenic Purpura. Journal of Pediatric Hematology/Oncology, 2003, 25, S52-S56.	0.3	27

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37	TULA-2 Protein Phosphatase Suppresses Activation of Syk through the GPVI Platelet Receptor for Collagen by Dephosphorylating Tyr(P)346, a Regulatory Site of Syk. Journal of Biological Chemistry, 2016, 291, 22427-22441.	1.6	25
38	FcÎ³RIIA expression accelerates nephritis and increases platelet activation in systemic lupus erythematosus. Blood, 2020, 136, 2933-2945.	0.6	25
39	System for Preparing Microhybridization Arrays on Glass Slides. Analytical Chemistry, 1998, 70, 5085-5092.	3.2	24
40	Dominant Expression of the Inhibitory FcÎ³RIIB Prevents Antigen Presentation by Murine Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 183, 7129-7139.	0.4	23
41	Amelioration of murine immune thrombocytopenia by CD44 antibodies: a potential therapy for ITP?. Blood, 2011, 117, 971-974.	0.6	23
42	Insights from mouse models of heparin-induced thrombocytopenia and thrombosis. Current Opinion in Hematology, 2002, 9, 395-400.	1.2	21
43	Platelet FcÎ³RIIA in immunity and thrombosis: Adaptive immunothrombosis. Journal of Thrombosis and Haemostasis, 2021, 19, 1149-1160.	1.9	21
44	Characterization of the 5â€²-flanking transcriptional regulatory region of the human FcÎ³ receptor gene, FcÎ³ RIIA. Molecular Immunology, 1992, 29, 1165-1174.	1.0	20
45	A novel human CD32 mAb blocks experimental immune haemolytic anaemia in FcgammaRIIA transgenic mice. British Journal of Haematology, 2005, 130, 130-137.	1.2	20
46	TULA-2 (T-Cell Ubiquitin Ligand-2) Inhibits the Platelet Fc Receptor for IgG IIA (FcÎ³RIIA) Signaling Pathway and Heparin-Induced Thrombocytopenia in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2315-2323.	1.1	19
47	Mice Expressing Low Levels of CalDAG-GEFI Exhibit Markedly Impaired Platelet Activation With Minor Impact on Hemostasis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1838-1846.	1.1	18
48	Inhibition of NADPH oxidase blocks NETosis and reduces thrombosis in heparin-induced thrombocytopenia. Blood Advances, 2021, 5, 5439-5451.	2.5	16
49	Thrombopoietin in Preterm Infants: Gestational Age-Dependent Response. Journal of Pediatric Hematology/Oncology, 2002, 24, 304-309.	0.3	15
50	Tyrosine Phosphorylation on Spleen Tyrosine Kinase (Syk) Is Differentially Regulated in Human and Murine Platelets by Protein Kinase C Isoforms. Journal of Biological Chemistry, 2013, 288, 29160-29169.	1.6	15
51	â^'245 bp of 5â€²-Flanking Region From the Human Platelet Factor 4 Gene Is Sufficient to Drive Megakaryocyte-Specific Expression In Vivo. Blood, 1998, 91, 2326-2333.	0.6	14
52	GRK6 regulates the hemostatic response to injury through its rate-limiting effects on GPCR signaling in platelets. Blood Advances, 2020, 4, 76-86.	2.5	14
53	Heparin-Induced Thrombocytopenia and Other Immune Thrombocytopenias: Lessons from Mouse Models. Seminars in Thrombosis and Hemostasis, 2004, 30, 559-568.	1.5	11
54	Protein Kinase C Î´ Deficiency Enhances Megakaryopoiesis and Recovery From Thrombocytopenia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2579-2585.	1.1	11

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55	Thrombopoietin following transfusion of platelets in preterm neonates. Platelets, 2008, 19, 428-431.	1.1	10
56	TULA-2 Deficiency Enhances Platelet Functional Responses to CLEC-2 Agonists. TH Open, 2018, 02, e411-e419.	0.7	10
57	Reproducibility of Platelet Function Testing. Laboratory Hematology: Official Publication of the International Society for Laboratory Hematology, 2007, 13, 59-62.	1.2	10
58	G proteinâ€“coupled receptor kinase 5 regulates thrombin signaling in platelets via PAR-1. Blood Advances, 2022, 6, 2319-2330.	2.5	8
59	Thrombosis and shock induced by activating antiplatelet antibodies in human FcÎ³RIIA transgenic mice: the interplay among antibody, spleen, and Fc receptor. Blood, 2000, 96, 4254-4260.	0.6	8
60	Syk Inhibition in Ischemic Stroke. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1054-1055.	1.1	7
61	Coagulopathy monitoring and anticoagulation management in COVID-19 patients on ECMO: Advantages of a heparin anti-Xa-based titration strategy. Thrombosis Research, 2021, 203, 1-4.	0.8	7
62	Human and mouse PAR4 are functionally distinct receptors: Studies in novel humanized mice. Journal of Thrombosis and Haemostasis, 2022, 20, 1236-1247.	1.9	7
63	Erythropoietin Levels in Patients with Sickle Cell Disease Do Not Correlate with Known Inducers of Erythropoietin. Hemoglobin, 2014, 38, 385-389.	0.4	6
64	Mechanisms of Action of IVIg: Physiology of Fc Receptors. Vox Sanguinis, 2002, 83, 57-63.	0.7	5
65	Fundamental Studies of DNA Adsorption and Hybridization on Solid Surfaces. ACS Symposium Series, 1999, , 190-204.	0.5	4
66	Clinical Transformation in Care for Patients With Sickle Cell Disease at an Urban Academic Medical Center. American Journal of Medical Quality, 2020, 35, 236-241.	0.2	3
67	Apoptosis signalâ€regulating kinase 1 regulates immuneâ€mediated thrombocytopenia, thrombosis, and systemic shock. Journal of Thrombosis and Haemostasis, 2020, 18, 3013-3028.	1.9	3
68	Identification of novel Syk-independent functional roles of FcÎ³RIIa in platelet outside-in signaling using transgenic mice expressing human FcÎ³RIIa. Platelets, 2016, 27, 488-490.	1.1	2
69	PRT060318, a Novel Syk Inhibitor, Prevents Heparin-Induced Thrombocytopenia in a Transgenic Mouse Model. Blood, 2008, 112, 269-269.	0.6	2
70	High-Throughput Sequencing of the Human Platelet Transcriptome. Blood, 2010, 116, 481-481.	0.6	2
71	Differential Expression of Micro RNAs Accompanies Differential Reactivity Via Platelet FcÎ³RIIa in Humans and Transgenic Mice.. Blood, 2012, 120, 2165-2165.	0.6	2
72	Fibrin Generation in Heparin-Induced Thrombocytopenia (HIT): Pathomechanistic Background for Novel Therapy and Prophylaxis. Blood, 2012, 120, 635-635.	0.6	2

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73	The Parallel Signaling Pathways Of Phosphatidylserine (PS) Exposure Downstream Of Platelet FcÎ³RIIa. Blood, 2013, 122, 3514-3514.	0.6	2
74	â^'245 bp of 5â€²-Flanking Region From the Human Platelet Factor 4 Gene Is Sufficient to Drive Megakaryocyte-Specific Expression In Vivo. Blood, 1998, 91, 2326-2333.	0.6	2
75	The clot thickens (or not). Blood, 2009, 114, 1722-1723.	0.6	1
76	PCTP contributes to human platelet activation by enhancing dense granule secretion. Thrombosis Research, 2021, 202, 67-73.	0.8	1
77	Dietary Hypercholesterolemia Enhances Heparin-Induced Thrombocytopenia/Thrombosis: A Prothrombotic Risk Factor in a Transgenic Mouse Model.. Blood, 2005, 106, 56-56.	0.6	1
78	Microfluidic and Flow Cytometric Studies Support a Role for Monocytes and Coated Platelets in the Prothrombotic State in Heparin-Induced Thrombocytopenia (HIT). Blood, 2011, 118, 539-539.	0.6	1
79	Identification of Reference Genes for miRNA Profiling in Hematopoietic Cell Lineages. Blood, 2012, 120, 3330-3330.	0.6	1
80	Platelet protease activated receptor 4 (PAR 4) receptor genotype is associated with an increased risk of preterm birth. Journal of Thrombosis and Haemostasis, 2022, 20, 2419-2428.	1.9	1
81	Monocytes in HIT: an evolving story. Blood, 2012, 119, 5065-5066.	0.6	0
82	Sugar and spike: not so nice. Blood, 2021, 138, 1386-1387.	0.6	0
83	A Human Antibody, Cloned from a Patient with Heparin-Induced Thrombocytopenia, That Binds Heparin/Platelet Factor 4 Complexes.. Blood, 2005, 106, 58-58.	0.6	0
84	Critical Role of CalDAG-GEFI In FCÎ³RIIa-Dependent Platelet Activation and Thrombosis. Blood, 2010, 116, 3196-3196.	0.6	0
85	FcÎ³RIIa Enhances Thrombus Growth in Vitro and in Vivo. Blood, 2011, 118, 191-191.	0.6	0
86	Formation of Procoagulant Platelets in Heparin-Induced Thrombocytopenia (HIT) Follows a Unique Signaling Pathway. Blood, 2011, 118, 197-197.	0.6	0
87	Exploiting Endogenous Micro-RNAs to Avoid off-Target Transgene Expression. Blood, 2012, 120, 3296-3296.	0.6	0
88	Molecular Characterization Of a Patient With Thrombocytopenia-Absent Radii (TAR) Syndrome and Diffuse Langerhans Cell Histiocytosis (LCH): Novel Genetic Findings. Blood, 2013, 122, 2326-2326.	0.6	0
89	Towards a Reference Human Platelet Transcriptome: Evaluation Of Inter-Individual Correlations and Its Relationship With a Platelet Proteome. Blood, 2013, 122, 2297-2297.	0.6	0
90	Effect Of Age and Gender On Human Platelet mRNA and Micro-RNA Levels. Blood, 2013, 122, 3518-3518.	0.6	0

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91	Syk Is Regulated Downstream Of FcÎ³RIIA In Platelets By Transient Tyrosine Phosphorylation and Ubiquitylation. Blood, 2013, 122, 4737-4737.	0.6	0