David Ginsburg

List of Publications by Year
in descending order

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118 papers	8,713 citations	66234 42 h-index	43802 91 g-index
135 all docs	135 docs citations	135 times ranked	8865 citing authors

#	Article	IF	Citations
1	Mutations in a member of the ADAMTS gene family cause thrombotic thrombocytopenic purpura. Nature, 2001, 413, 488-494.	13.7	1,623
2	Detectable clonal mosaicism from birth to old age and its relationship to cancer. Nature Genetics, 2012, 44, 642-650.	9.4	511
3	Mutations in the ERâ€“Golgi Intermediate Compartment Protein ERGIC-53 Cause Combined Deficiency of Coagulation Factors V and VIII. Cell, 1998, 93, 61-70.	13.5	434
4	Plasminogen Is a Critical Host Pathogenicity Factor for Group A Streptococcal Infection. Science, 2004, 305, 1283-1286.	6.0	365
5	Shigatoxin triggers thrombotic thrombocytopenic purpura in genetically susceptible ADAMTS13-deficient mice. Journal of Clinical Investigation, 2005, 115, 2752-2761.	3.9	283
6	Bleeding due to disruption of a cargo-specific ER-to-Golgi transport complex. Nature Genetics, 2003, 34, 220-225.	9.4	282
7	Complete Deficiency of Plasminogen-Activator Inhibitor Type 1 Due to a Frame-Shift Mutation. New England Journal of Medicine, 1992, 327, 1729-1733.	13.9	274
8	Fatal haemorrhage and incomplete block to embryogenesis in mice lacking coagulation factor V. Nature, 1996, 384, 66-68.	13.7	260
9	Localization of the gene for familial primary pulmonary hypertension to chromosome 2q31â€“32. Nature Genetics, 1997, 15, 277-280.	9.4	260
10	Serpin-Protease Complexes Are Trapped as Stable Acyl-Enzyme Intermediates. Journal of Biological Chemistry, 1995, 270, 25309-25312.	1.6	229
11	Sialyltransferase ST3Gal-IV operates as a dominant modifier of hemostasis by concealing asialoglycoprotein receptor ligands. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10042-10047.	3.3	170
12	The active conformation of plasminogen activator inhibitor 1, a target for drugs to control fibrinolysis and cell adhesion. Structure, 1999, 7, 111-118.	1.6	152
13	Mvwf, a Dominant Modifier of Murine von Willebrand Factor, Results from Altered Lineage-Specific Expression of a Glycosyltransferase. Cell, 1999, 96, 111-120.	13.5	152
14	Murine coagulation factor VIII is synthesized in endothelial cells. Blood, 2014, 123, 3697-3705.	0.6	151
15	ADAMTS13 turns 3. Blood, 2005, 106, 11-17.	0.6	132
16	Spontaneous thrombosis in mice carrying the factor V Leiden mutation. Blood, 2000, 96, 4222-4226.	0.6	124
17	Mannose-dependent Endoplasmic Reticulum (ER)-Golgi Intermediate Compartment-53-mediated ER to Golgi Trafficking of Coagulation Factors V and VIII. Journal of Biological Chemistry, 1999, 274, 32539-32542.	1.6	117
18	LMAN1 and MCFD2 Form a Cargo Receptor Complex and Interact withCoagulation Factor VIII in the Early SecretoryPathway. Journal of Biological Chemistry, 2005, 280, 25881-25886.	1.6	116

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19	A Fluorescent Probe Study of Plasminogen Activator Inhibitor-1. Journal of Biological Chemistry, 1995, 270, 5395-5398.	1.6	113
20	Combined deficiency of factor V and factor VIII is due to mutations in either LMAN1 or MCFD2. Blood, 2006, 107, 1903-1907.	0.6	111
21	Characterization of the Binding of Different Conformational Forms of Plasminogen Activator Inhibitor-1 to Vitronectin. Journal of Biological Chemistry, 1997, 272, 7676-7680.	1.6	105
22	SEC24A deficiency lowers plasma cholesterol through reduced PCSK9 secretion. ELife, 2013, 2, e00444.	2.8	104
23	Characterization of Large Structural Genetic Mosaicism in Human Autosomes. American Journal of Human Genetics, 2015, 96, 487-497.	2.6	101
24	Partitioning of Serpin-Proteinase Reactions between Stable Inhibition and Substrate Cleavage Is Regulated by the Rate of Serpin Reactive Center Loop Insertion into Î²-Sheet A. Journal of Biological Chemistry, 2000, 275, 5839-5844.	1.6	94
25	pak2a mutations cause cerebral hemorrhage in redhead zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13996-14001.	3.3	89
26	The in vivo endothelial cell translatome is highly heterogeneous across vascular beds. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23618-23624.	3.3	89
27	Linkage analysis identifies a locus for plasma von Willebrand factor undetected by genome-wide association. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 588-593.	3.3	85
28	Rescue of Fatal Neonatal Hemorrhage in Factor V Deficient Mice by Low Level Transgene Expression. Thrombosis and Haemostasis, 2000, 83, 70-77.	1.8	82
29	Lethal Perinatal Thrombosis in Mice Resulting From the Interaction of Tissue Factor Pathway Inhibitor Deficiency and Factor V Leiden. Circulation, 2002, 105, 2139-2142.	1.6	77
30	Role of the Catalytic Serine in the Interactions of Serine Proteinases with Protein Inhibitors of the Serpin Family. Journal of Biological Chemistry, 1995, 270, 30007-30017.	1.6	76
31	Exocyst function regulated by effector phosphorylation. Nature Cell Biology, 2011, 13, 580-588.	4.6	76
32	Cargo Selectivity of the ERGIC-53/MCFD2 Transport Receptor Complex. Traffic, 2006, 7, 1473-1481.	1.3	73
33	The cargo receptor SURF4 promotes the efficient cellular secretion of PCSK9. ELife, 2018, 7, .	2.8	72
34	SEC23B is required for the maintenance of murine professional secretory tissues. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2001-9.	3.3	66
35	Genotype-phenotype correlation in combined deficiency of factor V and factor VIII. Blood, 2008, 111, 5592-5600.	0.6	63
36	A von Willebrand factor fragment containing the Dâ€²D3 domains is sufficient to stabilize coagulation factor VIII in mice. Blood, 2014, 124, 445-452.	0.6	60

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37	Fatal hemorrhage in mice lacking Î³-glutamyl carboxylase. Blood, 2007, 109, 5270-5275.	0.6	59
38	Functions of the COPII gene paralogs SEC23A and SEC23B are interchangeable in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7748-E7757.	3.3	58
39	Inhibitor of streptokinase gene expression improves survival after group A streptococcus infection in mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3469-3474.	3.3	50
40	The Structure and Function of Murine Factor V and Its Inactivation by Protein C. Blood, 1998, 91, 4593-4599.	0.6	48
41	The murine platelet and plasma factor V pools are biosynthetically distinct and sufficient for minimal hemostasis. Blood, 2003, 102, 2856-2861.	0.6	48
42	Mice deficient in LMAN1 exhibit FV and FVIII deficiencies and liver accumulation of Î±1-antitrypsin. Blood, 2011, 118, 3384-3391.	0.6	46
43	The COPII pathway and hematologic disease. Blood, 2012, 120, 31-38.	0.6	45
44	Genome-wide Trans-ethnic Meta-analysis Identifies Seven Genetic Loci Influencing Erythrocyte Traits and a Role for RBPMS in Erythropoiesis. American Journal of Human Genetics, 2017, 100, 51-63.	2.6	45
45	CpaA Is a Glycan-Specific Adamalysin-like Protease Secreted by Acinetobacter baumannii That Inactivates Coagulation Factor XII. MBio, 2018, 9, .	1.8	45
46	Absence of a Red Blood Cell Phenotype in Mice with Hematopoietic Deficiency of SEC23B. Molecular and Cellular Biology, 2014, 34, 3721-3734.	1.1	43
47	A Critical Analysis of the Role of SNARE Protein SEC22B in Antigen Cross-Presentation. Cell Reports, 2017, 19, 2645-2656.	2.9	42
48	Disruption of the Sec24d Gene Results in Early Embryonic Lethality in the Mouse. PLoS ONE, 2013, 8, e61114.	1.1	41
49	Visualization of an N-terminal fragment of von Willebrand factor in complex with factor VIII. Blood, 2015, 126, 939-942.	0.6	38
50	Epitope Mapping of Inhibitory Monoclonal Antibodies to Human von Willebrand Factor by Using Recombinant cDNA Libraries. Thrombosis and Haemostasis, 1994, 71, 788-792.	1.8	35
51	Whole-exome sequencing identifies rare variants in STAB2 associated with venous thromboembolic disease. Blood, 2020, 136, 533-541.	0.6	34
52	Biosynthetic origin and functional significance of murine platelet factor V. Blood, 2003, 102, 2851-2855.	0.6	32
53	Identifying novel genetic determinants of hemostatic balance. Journal of Thrombosis and Haemostasis, 2005, 3, 1561-1568.	1.9	32
54	Training the next generation of biomedical investigators in glycosciences. Journal of Clinical Investigation, 2016, 126, 405-408.	3.9	32

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55	The COPII cargo adapter SEC24C is essential for neuronal homeostasis. Journal of Clinical Investigation, 2018, 128, 3319-3332.	3.9	30
56	The thrombomodulin analog Solulin promotes reperfusion and reduces infarct volume in a thrombotic stroke model. Journal of Thrombosis and Haemostasis, 2011, 9, 1174-1182.	1.9	29
57	Mammalian COPII Coat Component SEC24C Is Required for Embryonic Development in Mice. Journal of Biological Chemistry, 2014, 289, 20858-20870.	1.6	28
58	Identification of Tissue-type Plasminogen Activator-specific Plasminogen Activator Inhibitor-1 Mutants. Journal of Biological Chemistry, 1995, 270, 9301-9306.	1.6	26
59	Massively parallel enzyme kinetics reveals the substrate recognition landscape of the metalloprotease ADAMTS13. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9328-9333.	3.3	26
60	Differentiating cells of murine stratified squamous epithelia constitutively express plasminogen activator inhibitor type 2 (PAI-2). Histochemistry and Cell Biology, 1998, 110, 559-569.	0.8	25
61	Dimeric sorting code for concentrative cargo selection by the COPII coat. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3155-E3162.	3.3	24
62	Genome-scale CRISPR screening for modifiers of cellular LDL uptake. PLoS Genetics, 2021, 17, e1009285.	1.5	24
63	Selection on cis-Regulatory Variation at B4galnt2 and Its Influence on von Willebrand Factor in House Mice. Molecular Biology and Evolution, 2008, 26, 567-578.	3.5	23
64	Analysis of Informed Consent Document Utilization in a Minimal-Risk Genetic Study. Annals of Internal Medicine, 2011, 155, 316.	2.0	23
65	The endothelial-specific regulatory mutation, Mvwf1, is a common mouse founder allele. Mammalian Genome, 2008, 19, 32-40.	1.0	22
66	Spontaneous Irs1 passenger mutation linked to a gene-targeted SerpinB2 allele. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16904-16909.	3.3	22
67	Pancreatic SEC23B deficiency is sufficient to explain the perinatal lethality of germline SEC23B deficiency in mice. Scientific Reports, 2016, 6, 27802.	1.6	22
68	High throughput protease profiling comprehensively defines active site specificity for thrombin and ADAMTS13. Scientific Reports, 2018, 8, 2788.	1.6	21
69	Enhanced VWF biosynthesis and elevated plasma VWF due to a natural variant in the murine Vwf gene. Blood, 2006, 108, 3061-3067.	0.6	20
70	Modifiers of von Willebrand factor identified by natural variation in inbred strains of mice. Blood, 2009, 114, 5368-5374.	0.6	20
71	Genetic variants in PLG, LPA, and SIGLEC 14 as well as smoking contribute to plasma plasminogen levels. Blood, 2014, 124, 3155-3164.	0.6	20
72	Genetic variants in ADAMTS13 as well as smoking are major determinants of plasma ADAMTS13 levels. Blood Advances, 2017, 1, 1037-1046.	2.5	20

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73	Murine Surf4 is essential for early embryonic development. PLoS ONE, 2020, 15, e0227450.	1.1	20
74	SEC23B is required for pancreatic acinar cell function in adult mice. Molecular Biology of the Cell, 2017, 28, 2146-2154.	0.9	19
75	Analysis of MCFD2- and LMAN1-deficient mice demonstrates distinct functions in vivo. Blood Advances, 2018, 2, 1014-1021.	2.5	18
76	Fine Mapping of Monoclonal Antibody Epitopes on Human von Willebrand Factor Using a Recombinant Peptide Library. Thrombosis and Haemostasis, 1992, 67, 166-171.	1.8	17
77	Transgenic overexpression of a stable Plasminogen Activator Inhibitor-1 variant. Thrombosis Research, 2009, 123, 785-792.	0.8	16
78	What a polyclonal antibody sees in von Willebrand factor. Thrombosis Research, 2008, 121, 519-526.	0.8	13
79	Sequence variation at multiple loci influences red cell hemoglobin concentration. Blood, 2010, 116, e139-e149.	0.6	13
80	Genomeâ€wide studies of von Willebrand factor propeptide identify loci contributing to variation in propeptide levels and von Willebrand factor clearance. Journal of Thrombosis and Haemostasis, 2016, 14, 1888-1898.	1.9	13
81	Sensitized mutagenesis screen in Factor V Leiden mice identifies thrombosis suppressor loci. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9659-9664.	3.3	13
82	IgV somatic mutation of human antiâ€“SARS-CoV-2 monoclonal antibodies governs neutralization and breadth of reactivity. JCI Insight, 2021, 6, .	2.3	13
83	Spontaneous 8bp Deletion in Nbeal2 Recapitulates the Gray Platelet Syndrome in Mice. PLoS ONE, 2016, 11, e0150852.	1.1	13
84	Genetics and Genomics to the Clinic: A Long Road ahead. Cell, 2011, 147, 17-19.	13.5	12
85	Targeted Gene Sequencing Identifies Variants in the Protein C and Endothelial Protein C Receptor Genes in Patients With Unprovoked Venous Thromboembolism. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2674-2681.	1.1	12
86	Genetic Risk Factors for Arterial Thrombosis and Inflammation. Hematology American Society of Hematology Education Program, 2005, 2005, 442-444.	0.9	10
87	Tissue factor pathway inhibitor is required for cerebrovascular development in mice. Blood, 2021, 137, 258-268.	0.6	10
88	Development of tag-free photoprobes for studies aimed at identifying the target of novel Group A Streptococcus antivirulence agents. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1538-1544.	1.0	9
89	Probing ADAMTS13 Substrate Specificity using Phage Display. PLoS ONE, 2015, 10, e0122931.	1.1	9
90	Deep mutational scanning of the plasminogen activator inhibitor-1 functional landscape. Scientific Reports, 2021, 11, 18827.	1.6	8

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91	The history and evolution of the ASCI: dÃ©jÃ vu all over again. American Society for Clinical Investigation. Journal of Clinical Investigation, 2002, 110, S1-4.	3.9	8
92	The small GTPase RAB10 regulates endosomal recycling ofÂthe LDL receptor and transferrin receptor in hepatocytes. Journal of Lipid Research, 2022, 63, 100248.	2.0	8
93	Comparative Mapping of Distal Murine Chromosome 11 and Human 17q21.3 in a Region Containing a Modifying Locus for Murine Plasma von Willebrand Factor Level. Genomics, 1998, 54, 19-30.	1.3	7
94	The molecular biology of von Willebrand disease. Haemophilia, 1999, 5, 19-27.	1.0	7
95	Functional Display of Platelet-Binding VWF Fragments on Filamentous Bacteriophage. PLoS ONE, 2013, 8, e73518.	1.1	7
96	SNARE protein SEC22B regulates early embryonic development. Scientific Reports, 2019, 9, 11434.	1.6	7
97	Genomeâ€wide linkage analysis and wholeâ€exome sequencing identifies an <scp>ITGA</scp>2B mutation in a family with thrombocytopenia. British Journal of Haematology, 2019, 186, 574-579.	1.2	7
98	Molecular genetics of von Willebrand disease. Thrombosis and Haemostasis, 1999, 82, 585-91.	1.8	7
99	Whole exome sequencing of ENU-induced thrombosis modifier mutations in the mouse. PLoS Genetics, 2018, 14, e1007658.	1.5	6
100	ER-to-Golgi transport and SEC23-dependent COPII vesicles regulate T cell alloimmunity. Journal of Clinical Investigation, 2021, 131, .	3.9	6
101	Identification of novel Î³-globin inducers among all potential erythroid druggable targets. Blood Advances, 2022, 6, 3280-3285.	2.5	6
102	Altered phenotype in LMAN1-deficient mice with low levels of residual LMAN1 expression. Blood Advances, 2020, 4, 5635-5643.	2.5	4
103	Phage display broadly identifies inhibitorâ€reactive regions in von Willebrand factor. Journal of Thrombosis and Haemostasis, 2021, 19, 2702-2709.	1.9	4
104	Von Willebrand Factor and ADAMTS13. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2281-2282.	1.1	3
105	A diagnosis of discernment: Identifying a novel ATRX mutation in myelodysplastic syndrome with acquired Î±-thalassemia. Cancer Genetics, 2019, 231-232, 36-40.	0.2	3
106	Murine SEC24D can substitute functionally for SEC24C during embryonic development. Scientific Reports, 2021, 11, 21100.	1.6	3
107	Discrepancies Between ABO Genotype and ABO Glycan Phenotypes. Blood, 2012, 120, 274-274.	0.6	2
108	Genome Editing and Hematologic Malignancy. Annual Review of Medicine, 2020, 71, 71-83.	5.0	1

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109	Genetic Determinants of Plasma Von Willebrand Factor (VWF) and VWF Propeptide Levels. Blood, 2012, 120, 3313-3313.	0.6	1
110	Partial in Vivo FVIII Stabilization by VWF Fragments. Blood, 2012, 120, 15-15.	0.6	1
111	A Sensitized Whole Genome ENU Mutagenesis Screen Identifies an Arp2 Missense Mutation As a Novel Suppressor of Lethal Thrombosis in the Factor V Leiden Mouse. Blood, 2012, 120, 493-493.	0.6	0
112	Disparate SEC23B Deficient Phenotypes in Humans and Mice. Blood, 2012, 120, 974-974.	0.6	0
113	Introduction of Francis S. Collins. Journal of Clinical Investigation, 2015, 125, 3321-3327.	3.9	0
114	Abstract 42: Genetic Ablation of TMEM16F Exhibits Strain-specific Lethality in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0
115	Murine Surf4 is essential for early embryonic development. , 2020, 15, e0227450.		0
116	Murine Surf4 is essential for early embryonic development. , 2020, 15, e0227450.		0
117	Murine Surf4 is essential for early embryonic development. , 2020, 15, e0227450.		0
118	Murine Surf4 is essential for early embryonic development. , 2020, 15, e0227450.		0