Lijun Xia

List of Publications by Year
in descending order

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82 papers	6,452 citations	66343 42 h-index	66911 78 g-index
82 all docs	82 docs citations	82 times ranked	8901 citing authors

#	Article	IF	Citations
1	Deletion of platelet CLEC-2 decreases GPIba-mediated integrin aIIb3 activation and decreases thrombosis in TTP. Blood, 2022, , .	1.4	13
2	Blocking human protein C anticoagulant activity improves clotting defects of hemophilia mice expressing human protein C. Blood Advances, 2022, 6, 3304-3314.	5.2	6
3	The barrier and beyond: Roles of intestinal mucus and mucin-type O-glycosylation in resistance and tolerance defense strategies guiding host-microbe symbiosis. Gut Microbes, 2022, 14, 2052699.	9.8	26
4	Aspirin prophylaxis for hereditary and acquired thrombotic thrombocytopenic purpura?. American Journal of Hematology, 2022, 97, .	4.1	2
5	Slc35a1 deficiency causes thrombocytopenia due to impaired megakaryocytopoiesis and excessive platelet clearance in the liver. Haematologica, 2021, 106, 759-769.	3.5	13
6	Epsins 1 and 2 promote NEMO linear ubiquitination via LUBAC to drive breast cancer development. Journal of Clinical Investigation, 2021, 131, .	8.2	18
7	Heightened activation of embryonic megakaryocytes causes aneurysms in the developing brain of mice lacking podoplanin. Blood, 2021, 137, 2756-2769.	1.4	11
8	Kupffer cell receptor CLEC4F is important for the destruction of desialylated platelets in mice. Cell Death and Differentiation, 2021, 28, 3009-3021.	11.2	44
9	L-SIGN is a receptor on liver sinusoidal endothelial cells for SARS-CoV-2 virus. JCI Insight, 2021, 6, .	5.0	31
10	CLEC-2-dependent platelet subendothelial accumulation by flow disturbance contributes to atherogenesis in mice. Theranostics, 2021, 11, 9791-9804.	10.0	4
11	Core 1â€“derived mucin-type O-glycosylation protects against spontaneous gastritis and gastric cancer. Journal of Experimental Medicine, 2020, 217, .	8.5	35
12	Proximal colonâ€“derived O-glycosylated mucus encapsulates and modulates the microbiota. Science, 2020, 370, 467-472.	12.6	122
13	Thrombotic thrombocytopenic purpura masquerading as preclampsia with severe features at 13â€‰weeks' gestation. American Journal of Hematology, 2020, 95, 1216-1220.	4.1	5
14	Novel mutations in ADAMTS13 CUB domains cause abnormal preâ€mRNA splicing and defective secretion of ADAMTS13. Journal of Cellular and Molecular Medicine, 2020, 24, 4356-4361.	3.6	4
15	Monocyte upregulation of podoplanin during early sepsis induces complement inhibitor release to protect liver function. JCI Insight, 2020, 5, .	5.0	21
16	Dclk1 in tuft cells promotes inflammation-driven epithelial restitution and mitigates chronic colitis. Cell Death and Differentiation, 2019, 26, 1656-1669.	11.2	59
17	Platelet TGF-Î²1 deficiency decreases liver fibrosis in a mouse model of liver injury. Blood Advances, 2018, 2, 470-480.	5.2	65
18	Enteric infection coupled with chronic Notch pathway inhibition alters colonic mucus composition leading to dysbiosis, barrier disruption and colitis. PLoS ONE, 2018, 13, e0206701.	2.5	20

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19	Disruption of C1galt1 Gene Promotes Development and Metastasis of Pancreatic Adenocarcinomas in Mice. Gastroenterology, 2018, 155, 1608-1624.	1.3	59
20	The Muc2 mucin coats murine Paneth cell granules and facilitates their content release and dispersion. American Journal of Physiology - Renal Physiology, 2018, 315, G195-G205.	3.4	19
21	Site-1 protease deficiency causes human skeletal dysplasia due to defective inter-organelle protein trafficking. JCI Insight, 2018, 3, .	5.0	39
22	L-selectin mechanochemistry restricts neutrophil priming in vivo. Nature Communications, 2017, 8, 15196.	12.8	30
23	Dclk1, a tumor stem cell marker, regulates pro-survival signaling and self-renewal of intestinal tumor cells. Molecular Cancer, 2017, 16, 30.	19.2	91
24	Loss of mucin-type O-glycans impairs the integrity of the glomerular filtration barrier in the mouse kidney. Journal of Biological Chemistry, 2017, 292, 16491-16497.	3.4	21
25	Sialylation on O-glycans protects platelets from clearance by liver Kupffer cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8360-8365.	7.1	94
26	Platelet CLEC-2: a molecule with 2 faces. Blood, 2017, 130, 2158-2160.	1.4	6
27	Microbial, metabolomic, and immunologic dynamics in a relapsing genetic mouse model of colitis induced by T-synthase deficiency. Gut Microbes, 2017, 8, 1-16.	9.8	43
28	Loss of intestinalO-glycans promotes spontaneous duodenal tumors. American Journal of Physiology - Renal Physiology, 2016, 311, G74-G83.	3.4	27
29	Pathological lymphangiogenesis is modulated by galectin-8-dependent crosstalk between podoplanin and integrin-associated VEGFR-3. Nature Communications, 2016, 7, 11302.	12.8	70
30	Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice. Gastroenterology, 2016, 151, 152-164.e11.	1.3	105
31	Patterns of expression of factor VIII and von Willebrand factor by endothelial cell subsets in vivo. Blood, 2016, 128, 104-109.	1.4	81
32	CLEC-2 and podoplanin, partners again. Blood, 2016, 127, 1629-1630.	1.4	11
33	Dynamic Interactions of a Conserved Enterotoxigenic Escherichia coli Adhesin with Intestinal Mucins Govern Epithelium Engagement and Toxin Delivery. Infection and Immunity, 2016, 84, 3608-3617.	2.2	25
34	Mechanotransduction activates canonical Wnt/Î²-catenin signaling to promote lymphatic vascular patterning and the development of lymphatic and lymphovenous valves. Genes and Development, 2016, 30, 1454-1469.	5.9	121
35	Multiple mouse models of primary lymphedema exhibit distinct defects in lymphovenous valve development. Developmental Biology, 2016, 409, 218-233.	2.0	78
36	Selective Targeting of a Novel Epsinâ€“VEGFR2 Interaction Promotes VEGF-Mediated Angiogenesis. Circulation Research, 2016, 118, 957-969.	4.5	35

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37	New Role of Nod Proteins in Regulation of Intestinal Goblet Cell Response in the Context of Innate Host Defense in an Enteric Parasite Infection. Infection and Immunity, 2016, 84, 275-285.	2.2	25
38	O-glycans direct selectin ligands to lipid rafts on leukocytes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8661-8666.	7.1	53
39	Epsin is required for Dishevelled stability and Wnt signalling activation in colon cancer development. Nature Communications, 2015, 6, 6380.	12.8	31
40	Loss of Core 1-derived O-Glycans Decreases Breast Cancer Development in Mice. Journal of Biological Chemistry, 2015, 290, 20159-20166.	3.4	28
41	The CLEC-2â€“podoplanin axis controls the contractility of fibroblastic reticular cells and lymph node microarchitecture. Nature Immunology, 2015, 16, 75-84.	14.5	233
42	Lymph flow regulates collecting lymphatic vessel maturation in vivo. Journal of Clinical Investigation, 2015, 125, 2995-3007.	8.2	148
43	Motif mimetic of epsin perturbs tumor growth and metastasis. Journal of Clinical Investigation, 2015, 125, 4349-4364.	8.2	24
44	Pathological Lymphangiogenesis Is Regulated by Galectinâ€8â€Dependent Crosstalk among VEGFâ€, Podoplanin and Integrin Pathways. FASEB Journal, 2015, 29, 890.6.	0.5	0
45	Altered Mucus Glycosylation in Core 1 O-Glycan-Deficient Mice Affects Microbiota Composition and Intestinal Architecture. PLoS ONE, 2014, 9, e85254.	2.5	114
46	Discordance between changes in the gut microbiota and pathogenicity in a mouse model of spontaneous colitis. Gut Microbes, 2014, 5, 286-485.	9.8	44
47	Bacteria penetrate the normally impenetrable inner colon mucus layer in both murine colitis models and patients with ulcerative colitis. Gut, 2014, 63, 281-291.	12.1	717
48	Molecular and cellular mechanisms of lymphatic vascular maturation. Microvascular Research, 2014, 96, 16-22.	2.5	15
49	Genetic Reduction of Vascular Endothelial Growth Factor Receptor 2 Rescues Aberrant Angiogenesis Caused by Epsin Deficiency. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 331-337.	2.4	44
50	Temporal and spatial regulation of epsin abundance and VEGFR3 signaling are required for lymphatic valve formation and function. Science Signaling, 2014, 7, ra97.	3.6	57
51	Mucin-type O-glycosylation is critical for vascular integrity. Glycobiology, 2014, 24, 1237-1241.	2.5	16
52	Podoplanin requires sialylated O-glycans for stable expression on lymphatic endothelial cells and for interaction with platelets. Blood, 2014, 124, 3656-3665.	1.4	44
53	Platelets mediate lymphovenous hemostasis to maintain blood-lymphatic separation throughout life. Journal of Clinical Investigation, 2014, 124, 273-284.	8.2	179
54	Glycoprotein Ibα Clustering Induces Macrophage-Mediated Platelet Clearance in the Liver. Blood, 2014, 124, 466-466.	1.4	2

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55	Podoplanin maintains high endothelial venule integrity by interacting with platelet CLEC-2. Nature, 2013, 502, 105-109.	27.8	275
56	The Mucin Muc2 Limits Pathogen Burdens and Epithelial Barrier Dysfunction during Salmonella enterica Serovar Typhimurium Colitis. Infection and Immunity, 2013, 81, 3672-3683.	2.2	181
57	Lenalidomide Inhibits Lymphangiogenesis in Preclinical Models of Mantle Cell Lymphoma. Cancer Research, 2013, 73, 7254-7264.	0.9	56
58	Mucin-type O-glycans and their roles in intestinal homeostasis. Glycobiology, 2013, 23, 1026-1037.	2.5	254
59	Detailed O-glycomics of the Muc2 mucin from colon of wild-type, core 1- and core 3-transferase-deficient mice highlights differences compared with human MUC2. Glycobiology, 2012, 22, 1128-1139.	2.5	72
60	Endothelial epsin deficiency decreases tumor growth by enhancing VEGF signaling. Journal of Clinical Investigation, 2012, 122, 4424-4438.	8.2	97
61	Repairing of Homing Defect in Cord Blood Hematopoietic Stem Cell Transplantationâ€“Comparison of Fucosyltransferase VII with Fucosyltransferase VI.. Blood, 2012, 120, 2988-2988.	1.4	0
62	Loss of intestinal core 1â€“derived O-glycans causes spontaneous colitis in mice. Journal of Clinical Investigation, 2011, 121, 1657-1666.	8.2	285
63	Differential regulation of human and murine P-selectin expression and function in vivo. Journal of Experimental Medicine, 2010, 207, 2975-2987.	8.5	72
64	Cosmc is an essential chaperone for correct protein O-glycosylation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9228-9233.	7.1	181
65	Core 3-Derived O-Glycans Are Essential for Intestinal Mucus Barrier Function. Methods in Enzymology, 2010, 479, 123-141.	1.0	24
66	Core 1-derived O-glycans are essential E-selectin ligands on neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9204-9209.	7.1	67
67	Core2 1-6-N-Glucosaminyltransferase-I Is Crucial for the Formation of Atherosclerotic Lesions in Apolipoprotein Eâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 180-187.	2.4	14
68	P-selectin Glycoprotein Ligand-1 Plays a Crucial Role in the Selective Recruitment of Leukocytes Into the Atherosclerotic Arterial Wall. Trends in Cardiovascular Medicine, 2009, 19, 140-145.	4.9	44
69	Investigating Therapeutic Approach of IBD Using Recombinant Glycoprotein Mucin2. FASEB Journal, 2009, 23, 570.1.	0.5	1
70	P-Selectin Glycoprotein Ligand-1 Is Highly Expressed on Ly-6C^{hi}Monocytes and a Major Determinant for Ly-6C^{hi}Monocyte Recruitment to Sites of Atherosclerosis in Mice. Circulation, 2008, 117, 3227-3237.	1.6	153
71	Separable requirements for cytoplasmic domain of PSGL-1 in leukocyte rolling and signaling under flow. Blood, 2008, 112, 2035-2045.	1.4	94
72	Endothelial cell O-glycan deficiency causes blood/lymphatic misconnections and consequent fatty liver disease in mice. Journal of Clinical Investigation, 2008, 118, 3725-3737.	8.2	216

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73	Signaling through the PSGLâ€1 cytoplasmic domain to activate Î²2â€integrinâ€mediated slow rolling of neutrophils. FASEB Journal, 2008, 22, 1071.2.	0.5	0
74	Increased susceptibility to colitis and colorectal tumors in mice lacking core 3â€“derived O-glycans. Journal of Experimental Medicine, 2007, 204, 1417-1429.	8.5	294
75	Targeted Disruption of the Gene Encoding Core 1 Î²1â€3â€Galactosyltransferase (Tâ€Synthase) Causes Embryonic Lethality and Defective Angiogenesis in Mice. Methods in Enzymology, 2006, 416, 314-331.	1.0	32
76	Bone marrow dysfunction in mice lacking the cytokine receptor gp130 in endothelial cells. Blood, 2005, 106, 4093-4101.	1.4	86
77	Defective angiogenesis and fatal embryonic hemorrhage in mice lacking core 1â€“derived O-glycans. Journal of Cell Biology, 2004, 164, 451-459.	5.2	168
78	Surface fucosylation of human cord blood cells augments binding to P-selectin and E-selectin and enhances engraftment in bone marrow. Blood, 2004, 104, 3091-3096.	1.4	195
79	N-terminal residues in murine P-selectin glycoprotein ligand-1 required for binding to murine P-selectin. Blood, 2003, 101, 552-559.	1.4	57
80	P-selectin glycoprotein ligand-1â€“deficient mice have impaired leukocyte tethering to E-selectin under flow. Journal of Clinical Investigation, 2002, 109, 939-950.	8.2	193
81	P-selectin glycoprotein ligand-1â€“deficient mice have impaired leukocyte tethering to E-selectin under flow. Journal of Clinical Investigation, 2002, 109, 939-950.	8.2	112
82	Preparation of an antifibrin thrombus-specific murine/human chimeric monoclonal antibody fab fragment in escherichia coli. Thrombosis Research, 1996, 81, 477-484.	1.7	1