

Lijun Xia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6982516/publications.pdf>

Version: 2024-02-01

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	Bacteria penetrate the normally impenetrable inner colon mucus layer in both murine colitis models and patients with ulcerative colitis. <i>Gut</i> , 2014, 63, 281-291.	12.1	717
2	Increased susceptibility to colitis and colorectal tumors in mice lacking core 3 α -derived O-glycans. <i>Journal of Experimental Medicine</i> , 2007, 204, 1417-1429.	8.5	294
3	Loss of intestinal core 1 α -derived O-glycans causes spontaneous colitis in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1657-1666.	8.2	285
4	Podoplanin maintains high endothelial venule integrity by interacting with platelet CLEC-2. <i>Nature</i> , 2013, 502, 105-109.	27.8	275
5	Mucin-type O-glycans and their roles in intestinal homeostasis. <i>Glycobiology</i> , 2013, 23, 1026-1037.	2.5	254
6	The CLEC-2 α -podoplanin axis controls the contractility of fibroblastic reticular cells and lymph node microarchitecture. <i>Nature Immunology</i> , 2015, 16, 75-84.	14.5	233
7	Endothelial cell O-glycan deficiency causes blood/lymphatic misconnections and consequent fatty liver disease in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3725-3737.	8.2	216
8	Surface fucosylation of human cord blood cells augments binding to P-selectin and E-selectin and enhances engraftment in bone marrow. <i>Blood</i> , 2004, 104, 3091-3096.	1.4	195
9	P-selectin glycoprotein ligand-1 α -deficient mice have impaired leukocyte tethering to E-selectin under flow. <i>Journal of Clinical Investigation</i> , 2002, 109, 939-950.	8.2	193
10	Cosmc is an essential chaperone for correct protein O-glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9228-9233.	7.1	181
11	The Mucin Muc2 Limits Pathogen Burdens and Epithelial Barrier Dysfunction during Salmonella enterica Serovar Typhimurium Colitis. <i>Infection and Immunity</i> , 2013, 81, 3672-3683.	2.2	181
12	Platelets mediate lymphovenous hemostasis to maintain blood-lymphatic separation throughout life. <i>Journal of Clinical Investigation</i> , 2014, 124, 273-284.	8.2	179
13	Defective angiogenesis and fatal embryonic hemorrhage in mice lacking core 1 α -derived O-glycans. <i>Journal of Cell Biology</i> , 2004, 164, 451-459.	5.2	168
14	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. <i>Circulation</i> , 2008, 117, 3227-3237.	1.6	153
15	Lymph flow regulates collecting lymphatic vessel maturation in vivo. <i>Journal of Clinical Investigation</i> , 2015, 125, 2995-3007.	8.2	148
16	Proximal colon α -derived O-glycosylated mucus encapsulates and modulates the microbiota. <i>Science</i> , 2020, 370, 467-472.	12.6	122
17	Mechanotransduction activates canonical Wnt/ β -catenin signaling to promote lymphatic vascular patterning and the development of lymphatic and lymphovenous valves. <i>Genes and Development</i> , 2016, 30, 1454-1469.	5.9	121
18	Altered Mucus Glycosylation in Core 1 O-Glycan-Deficient Mice Affects Microbiota Composition and Intestinal Architecture. <i>PLoS ONE</i> , 2014, 9, e85254.	2.5	114

#	ARTICLE	IF	CITATIONS
19	P-selectin glycoprotein ligand-1-deficient mice have impaired leukocyte tethering to E-selectin under flow. <i>Journal of Clinical Investigation</i> , 2002, 109, 939-950.	8.2	112
20	Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice. <i>Gastroenterology</i> , 2016, 151, 152-164.e11.	1.3	105
21	Endothelial epsin deficiency decreases tumor growth by enhancing VEGF signaling. <i>Journal of Clinical Investigation</i> , 2012, 122, 4424-4438.	8.2	97
22	Separable requirements for cytoplasmic domain of PSGL-1 in leukocyte rolling and signaling under flow. <i>Blood</i> , 2008, 112, 2035-2045.	1.4	94
23	Sialylation on O-glycans protects platelets from clearance by liver Kupffer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8360-8365.	7.1	94
24	Dclk1, a tumor stem cell marker, regulates pro-survival signaling and self-renewal of intestinal tumor cells. <i>Molecular Cancer</i> , 2017, 16, 30.	19.2	91
25	Bone marrow dysfunction in mice lacking the cytokine receptor gp130 in endothelial cells. <i>Blood</i> , 2005, 106, 4093-4101.	1.4	86
26	Patterns of expression of factor VIII and von Willebrand factor by endothelial cell subsets in vivo. <i>Blood</i> , 2016, 128, 104-109.	1.4	81
27	Multiple mouse models of primary lymphedema exhibit distinct defects in lymphovenous valve development. <i>Developmental Biology</i> , 2016, 409, 218-233.	2.0	78
28	Differential regulation of human and murine P-selectin expression and function in vivo. <i>Journal of Experimental Medicine</i> , 2010, 207, 2975-2987.	8.5	72
29	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. <i>Glycobiology</i> , 2012, 22, 1128-1139.	2.5	72
30	Pathological lymphangiogenesis is modulated by galectin-8-dependent crosstalk between podoplanin and integrin-associated VEGFR-3. <i>Nature Communications</i> , 2016, 7, 11302.	12.8	70
31	Core 1-derived O-glycans are essential E-selectin ligands on neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9204-9209.	7.1	67
32	Platelet TGF- β 1 deficiency decreases liver fibrosis in a mouse model of liver injury. <i>Blood Advances</i> , 2018, 2, 470-480.	5.2	65
33	Disruption of C1galt1 Gene Promotes Development and Metastasis of Pancreatic Adenocarcinomas in Mice. <i>Gastroenterology</i> , 2018, 155, 1608-1624.	1.3	59
34	Dclk1 in tuft cells promotes inflammation-driven epithelial restitution and mitigates chronic colitis. <i>Cell Death and Differentiation</i> , 2019, 26, 1656-1669.	11.2	59
35	N-terminal residues in murine P-selectin glycoprotein ligand-1 required for binding to murine P-selectin. <i>Blood</i> , 2003, 101, 552-559.	1.4	57
36	Temporal and spatial regulation of epsin abundance and VEGFR3 signaling are required for lymphatic valve formation and function. <i>Science Signaling</i> , 2014, 7, ra97.	3.6	57

#	ARTICLE	IF	CITATIONS
37	Lenalidomide Inhibits Lymphangiogenesis in Preclinical Models of Mantle Cell Lymphoma. <i>Cancer Research</i> , 2013, 73, 7254-7264.	0.9	56
38	O-glycans direct selectin ligands to lipid rafts on leukocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8661-8666.	7.1	53
39	P-selectin Glycoprotein Ligand-1 Plays a Crucial Role in the Selective Recruitment of Leukocytes Into the Atherosclerotic Arterial Wall. <i>Trends in Cardiovascular Medicine</i> , 2009, 19, 140-145.	4.9	44
40	Discordance between changes in the gut microbiota and pathogenicity in a mouse model of spontaneous colitis. <i>Gut Microbes</i> , 2014, 5, 286-485.	9.8	44
41	Genetic Reduction of Vascular Endothelial Growth Factor Receptor 2 Rescues Aberrant Angiogenesis Caused by Epsin Deficiency. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 331-337.	2.4	44
42	Podoplanin requires sialylated O-glycans for stable expression on lymphatic endothelial cells and for interaction with platelets. <i>Blood</i> , 2014, 124, 3656-3665.	1.4	44
43	Kupffer cell receptor CLEC4F is important for the destruction of desialylated platelets in mice. <i>Cell Death and Differentiation</i> , 2021, 28, 3009-3021.	11.2	44
44	Microbial, metabolomic, and immunologic dynamics in a relapsing genetic mouse model of colitis induced by T-synthase deficiency. <i>Gut Microbes</i> , 2017, 8, 1-16.	9.8	43
45	Site-1 protease deficiency causes human skeletal dysplasia due to defective inter-organelle protein trafficking. <i>JCI Insight</i> , 2018, 3, .	5.0	39
46	Selective Targeting of a Novel Epsin-VEGFR2 Interaction Promotes VEGF-Mediated Angiogenesis. <i>Circulation Research</i> , 2016, 118, 957-969.	4.5	35
47	Core 1-derived mucin-type O-glycosylation protects against spontaneous gastritis and gastric cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	35
48	Targeted Disruption of the Gene Encoding Core 1 β -Galactosyltransferase (T β Synthase) Causes Embryonic Lethality and Defective Angiogenesis in Mice. <i>Methods in Enzymology</i> , 2006, 416, 314-331.	1.0	32
49	Epsin is required for Dishevelled stability and Wnt signalling activation in colon cancer development. <i>Nature Communications</i> , 2015, 6, 6380.	12.8	31
50	L-SIGN is a receptor on liver sinusoidal endothelial cells for SARS-CoV-2 virus. <i>JCI Insight</i> , 2021, 6, .	5.0	31
51	L-selectin mechanochemistry restricts neutrophil priming in vivo. <i>Nature Communications</i> , 2017, 8, 15196.	12.8	30
52	Loss of Core 1-derived O-Glycans Decreases Breast Cancer Development in Mice. <i>Journal of Biological Chemistry</i> , 2015, 290, 20159-20166.	3.4	28
53	Loss of intestinal O-glycans promotes spontaneous duodenal tumors. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G74-G83.	3.4	27
54	The barrier and beyond: Roles of intestinal mucus and mucin-type O-glycosylation in resistance and tolerance defense strategies guiding host-microbe symbiosis. <i>Gut Microbes</i> , 2022, 14, 2052699.	9.8	26

#	ARTICLE	IF	CITATIONS
55	Dynamic Interactions of a Conserved Enterotoxigenic Escherichia coli Adhesin with Intestinal Mucins Govern Epithelium Engagement and Toxin Delivery. <i>Infection and Immunity</i> , 2016, 84, 3608-3617.	2.2	25
56	New Role of Nod Proteins in Regulation of Intestinal Goblet Cell Response in the Context of Innate Host Defense in an Enteric Parasite Infection. <i>Infection and Immunity</i> , 2016, 84, 275-285.	2.2	25
57	Core 3-Derived O-Glycans Are Essential for Intestinal Mucus Barrier Function. <i>Methods in Enzymology</i> , 2010, 479, 123-141.	1.0	24
58	Motif mimetic of epsin perturbs tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4349-4364.	8.2	24
59	Loss of mucin-type O-glycans impairs the integrity of the glomerular filtration barrier in the mouse kidney. <i>Journal of Biological Chemistry</i> , 2017, 292, 16491-16497.	3.4	21
60	Monocyte upregulation of podoplanin during early sepsis induces complement inhibitor release to protect liver function. <i>JCI Insight</i> , 2020, 5, .	5.0	21
61	Enteric infection coupled with chronic Notch pathway inhibition alters colonic mucus composition leading to dysbiosis, barrier disruption and colitis. <i>PLoS ONE</i> , 2018, 13, e0206701.	2.5	20
62	The Muc2 mucin coats murine Paneth cell granules and facilitates their content release and dispersion. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G195-G205.	3.4	19
63	Epsins 1 and 2 promote NEMO linear ubiquitination via LUBAC to drive breast cancer development. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	18
64	Mucin-type O-glycosylation is critical for vascular integrity. <i>Glycobiology</i> , 2014, 24, 1237-1241.	2.5	16
65	Molecular and cellular mechanisms of lymphatic vascular maturation. <i>Microvascular Research</i> , 2014, 96, 16-22.	2.5	15
66	Core2 1-6-N-Glucosaminyltransferase-I Is Crucial for the Formation of Atherosclerotic Lesions in Apolipoprotein E-deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 180-187.	2.4	14
67	Slc35a1 deficiency causes thrombocytopenia due to impaired megakaryocytopoiesis and excessive platelet clearance in the liver. <i>Haematologica</i> , 2021, 106, 759-769.	3.5	13
68	Deletion of platelet CLEC-2 decreases GPIIb-mediated integrin α IIb β 3 activation and decreases thrombosis in TTP. <i>Blood</i> , 2022, , .	1.4	13
69	CLEC-2 and podoplanin, partners again. <i>Blood</i> , 2016, 127, 1629-1630.	1.4	11
70	Heightened activation of embryonic megakaryocytes causes aneurysms in the developing brain of mice lacking podoplanin. <i>Blood</i> , 2021, 137, 2756-2769.	1.4	11
71	Platelet CLEC-2: a molecule with 2 faces. <i>Blood</i> , 2017, 130, 2158-2160.	1.4	6
72	Blocking human protein C anticoagulant activity improves clotting defects of hemophilia mice expressing human protein C. <i>Blood Advances</i> , 2022, 6, 3304-3314.	5.2	6

#	ARTICLE	IF	CITATIONS
73	Thrombotic thrombocytopenic purpura masquerading as preclampsia with severe features at 13 weeks' gestation. American Journal of Hematology, 2020, 95, 1216-1220.	4.1	5
74	Novel mutations in ADAMTS13 CUB domains cause abnormal pre-mRNA splicing and defective secretion of ADAMTS13. Journal of Cellular and Molecular Medicine, 2020, 24, 4356-4361.	3.6	4
75	CLEC-2-dependent platelet subendothelial accumulation by flow disturbance contributes to atherogenesis in mice. Theranostics, 2021, 11, 9791-9804.	10.0	4
76	Glycoprotein Ib β Clustering Induces Macrophage-Mediated Platelet Clearance in the Liver. Blood, 2014, 124, 466-466.	1.4	2
77	Aspirin prophylaxis for hereditary and acquired thrombotic thrombocytopenic purpura?. American Journal of Hematology, 2022, 97, .	4.1	2
78	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
79	Investigating Therapeutic Approach of IBD Using Recombinant Glycoprotein Mucin2. FASEB Journal, 2009, 23, 570.1.	0.5	1
80	Signaling through the PSGL-1 cytoplasmic domain to activate β 2-integrin-mediated slow rolling of neutrophils. FASEB Journal, 2008, 22, 1071.2.	0.5	0
81	Repairing of Homing Defect in Cord Blood Hematopoietic Stem Cell Transplantation—Comparison of Fucosyltransferase VII with Fucosyltransferase VI.. Blood, 2012, 120, 2988-2988.	1.4	0
82	Pathological Lymphangiogenesis Is Regulated by Galectin-8-Dependent Crosstalk among VEGFR, Podoplanin and Integrin Pathways. FASEB Journal, 2015, 29, 890.6.	0.5	0