

# Magnus Åbrink

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3034659/publications.pdf>

Version: 2024-02-01

73  
papers

4,766  
citations

81900  
39  
h-index

95266  
68  
g-index

73  
all docs

73  
docs citations

73  
times ranked

5025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mast Cells Can Enhance Resistance to Snake and Honeybee Venoms. <i>Science</i> , 2006, 313, 526-530.	12.6	333
2	A Key Role for Mast Cell Chymase in the Activation of Pro-matrix Metalloprotease-9 and Pro-matrix Metalloprotease-2. <i>Journal of Biological Chemistry</i> , 2005, 280, 9291-9296.	3.4	275
3	The 5â€²-AMP-activated Protein Kinase Î³3 Isoform Has a Key Role in Carbohydrate and Lipid Metabolism in Glycolytic Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2004, 279, 38441-38447.	3.4	264
4	Mast Cell Proteases. <i>Advances in Immunology</i> , 2007, 95, 167-255.	2.2	262
5	Targeted Disruption of a Murine Glucuronyl C5-epimerase Gene Results in Heparan Sulfate Lacking I-huronic Acid and in Neonatal Lethality. <i>Journal of Biological Chemistry</i> , 2003, 278, 28363-28366.	3.4	188
6	Serglycin Is Essential for Maturation of Mast Cell Secretory Granule. <i>Journal of Biological Chemistry</i> , 2004, 279, 40897-40905.	3.4	168
7	Rab27b regulates number and secretion of platelet dense granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5872-5877.	7.1	160
8	The Chymase, Mouse Mast Cell Protease 4, Constitutes the Major Chymotrypsin-like Activity in Peritoneum and Ear Tissue. A Role for Mouse Mast Cell Protease 4 in Thrombin Regulation and Fibronectin Turnover. <i>Journal of Experimental Medicine</i> , 2003, 198, 423-431.	8.5	152
9	Mast cells regulate homeostatic intestinal epithelial migration and barrier function by a chymase/Mcpt4-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22381-22386.	7.1	144
10	Mast cell chymase reduces the toxicity of Gila monster venom, scorpion venom, and vasoactive intestinal polypeptide in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4180-4191.	8.2	134
11	Critical Role of Mast Cell Chymase in Mouse Abdominal Aortic Aneurysm Formation. <i>Circulation</i> , 2009, 120, 973-982.	1.6	132
12	Independent degeneration of photoreceptors and retinal pigment epithelium in conditional knockout mouse models of choroideremia. <i>Journal of Clinical Investigation</i> , 2006, 116, 386-394.	8.2	116
13	KRAB Zinc Finger Proteins: An Analysis of the Molecular Mechanisms Governing Their Increase in Numbers and Complexity During Evolution. <i>Molecular Biology and Evolution</i> , 2002, 19, 2118-2130.	8.9	114
14	Neurotensin increases mortality and mast cells reduce neurotensin levels in a mouse model of sepsis. <i>Nature Medicine</i> , 2008, 14, 392-398.	30.7	114
15	Mast Cell Chymase Degrades the Alarmins Heat Shock Protein 70, Biglycan, HMGB1, and Interleukin-33 (IL-33) and Limits Danger-induced Inflammation. <i>Journal of Biological Chemistry</i> , 2014, 289, 237-250.	3.4	105
16	Serotonin and histamine storage in mast cell secretory granules is dependent on serglycin proteoglycan. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, 1020-1026.	2.9	100
17	Serglycin-deficient Cytotoxic T Lymphocytes Display Defective Secretory Granule Maturation and Granzyme B Storage. <i>Journal of Biological Chemistry</i> , 2005, 280, 33411-33418.	3.4	95
18	Rab27b Regulates Mast Cell Granule Dynamics and Secretion. <i>Traffic</i> , 2007, 8, 883-892.	2.7	92

#	ARTICLE	IF	CITATIONS
19	The Chymase Mouse Mast Cell Protease 4 Degrades TNF, Limits Inflammation, and Promotes Survival in a Model of Sepsis. <i>American Journal of Pathology</i> , 2012, 181, 875-886.	3.8	91
20	Neutrophil elastase depends on serglycin proteoglycan for localization in granules. <i>Blood</i> , 2007, 109, 4478-4486.	1.4	88
21	Mouse Mast Cell Protease 4 Is the Major Chymase in Murine Airways and Has a Protective Role in Allergic Airway Inflammation. <i>Journal of Immunology</i> , 2009, 183, 6369-6376.	0.8	82
22	Serglycin proteoglycan is required for secretory granule integrity in mucosal mast cells. <i>Biochemical Journal</i> , 2007, 403, 49-57.	3.7	77
23	Loss of Bladder Epithelium Induced by Cytolytic Mast Cell Granules. <i>Immunity</i> , 2016, 45, 1258-1269.	14.3	70
24	Serglycin Is the Major Secreted Proteoglycan in Macrophages and Has a Role in the Regulation of Macrophage Tumor Necrosis Factor- $\alpha$ Secretion in Response to Lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2006, 281, 26792-26801.	3.4	69
25	Mouse Mast Cell Protease-4 Deteriorates Renal Function by Contributing to Inflammation and Fibrosis in Immune Complex-Mediated Glomerulonephritis. <i>Journal of Immunology</i> , 2010, 185, 624-633.	0.8	64
26	Highly Selective Cleavage of Cytokines and Chemokines by the Human Mast Cell Chymase and Neutrophil Cathepsin G. <i>Journal of Immunology</i> , 2017, 198, 1474-1483.	0.8	64
27	The Inflammatory Response after an Epidermal Burn Depends on the Activities of Mouse Mast Cell Proteases 4 and 5. <i>Journal of Immunology</i> , 2010, 185, 7681-7690.	0.8	62
28	Comparative Analysis of KRAB Zinc Finger Proteins in Rodents and Man: Evidence for Several Evolutionarily Distinct Subfamilies of KRAB Zinc Finger Genes. <i>DNA and Cell Biology</i> , 1999, 18, 381-396.	1.9	61
29	Expression of lactoferrin in the kidney: Implications for innate immunity and iron metabolism. <i>Kidney International</i> , 2000, 57, 2004-2010.	5.2	60
30	Cooperation between Mast Cell Carboxypeptidase A and the Chymase Mouse Mast Cell Protease 4 in the Formation and Degradation of Angiotensin II. <i>Journal of Biological Chemistry</i> , 2004, 279, 32339-32344.	3.4	59
31	Serglycin proteoglycan deletion induces defects in platelet aggregation and thrombus formation in mice. <i>Blood</i> , 2008, 111, 3458-3467.	1.4	59
32	A role for serglycin proteoglycan in granular retention and processing of mast cell secretory granule components. <i>FEBS Journal</i> , 2006, 273, 4901-4912.	4.7	57
33	Mast cell chymase contributes to the antibody response and the severity of autoimmune arthritis. <i>FASEB Journal</i> , 2009, 23, 875-882.	0.5	56
34	Dual Targets for Mouse Mast Cell Protease-4 in Mediating Tissue Damage in Experimental Bullous Pemphigoid. <i>Journal of Biological Chemistry</i> , 2011, 286, 37358-37367.	3.4	55
35	The $\alpha 6$ integrin modulates airway hyperresponsiveness in mice by regulating intraepithelial mast cells. <i>Journal of Clinical Investigation</i> , 2012, 122, 748-758.	8.2	55
36	Serglycin proteoglycan: Regulating the storage and activities of hematopoietic proteases. <i>BioFactors</i> , 2009, 35, 61-68.	5.4	50

#	ARTICLE	IF	CITATIONS
37	Vaccination against the extra domain B of fibronectin as a novel tumor therapy. <i>FASEB Journal</i> , 2010, 24, 4535-4544.	0.5	47
38	Isolation of cDNA Clones for 42 Different Krüppel-Related Zinc Finger Proteins Expressed in the Human Monoblast Cell Line U-937. <i>DNA and Cell Biology</i> , 1995, 14, 125-136.	1.9	42
39	Mast Cells Contribute to Bleomycin-Induced Lung Inflammation and Injury in Mice through a Chymase/Mast Cell Protease 4-Dependent Mechanism. <i>Journal of Immunology</i> , 2014, 192, 1847-1854.	0.8	41
40	Lowered Expression of Heparan Sulfate/Heparin Biosynthesis Enzyme N-Deacetylase/N-Sulfotransferase 1 Results in Increased Sulfation of Mast Cell Heparin. <i>Journal of Biological Chemistry</i> , 2011, 286, 44433-44440.	3.4	36
41	IGF-1 degradation by mouse mast cell protease 4 promotes cell death and adverse cardiac remodeling days after a myocardial infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6949-6954.	7.1	36
42	A Role for Serglycin Proteoglycan in Mast Cell Apoptosis Induced by a Secretory Granule-mediated Pathway*. <i>Journal of Biological Chemistry</i> , 2011, 286, 5423-5433.	3.4	32
43	Delayed Contraction of the CD8+ T Cell Response toward Lymphocytic Choriomeningitis Virus Infection in Mice Lacking Serglycin. <i>Journal of Immunology</i> , 2008, 181, 1043-1051.	0.8	28
44	Overexpression of heparanase enhances T lymphocyte activities and intensifies the inflammatory response in a model of murine rheumatoid arthritis. <i>Scientific Reports</i> , 2017, 7, 46229.	3.3	28
45	Mast Cell Degranulation Exacerbates Skin Rejection by Enhancing Neutrophil Recruitment. <i>Frontiers in Immunology</i> , 2018, 9, 2690.	4.8	27
46	Mast cells limit extracellular levels of IL-13 via a serglycin proteoglycan-serine protease axis. <i>Biological Chemistry</i> , 2012, 393, 1555-1567.	2.5	23
47	Proteome analysis of mast cell releasates reveals a role for chymase in the regulation of coagulation factor XIIIa levels via proteolytic degradation. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 323-334.	2.9	23
48	Mast cell chymase decreases the severity of group B Streptococcus infections. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 120-129.e6.	2.9	22
49	A novel Krüppel-associated box identified in a panel of mammalian zinc finger proteins. <i>Mammalian Genome</i> , 2004, 15, 35-40.	2.2	19
50	Targeting Serglycin Prevents Metastasis in Murine Mammary Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0156151.	2.5	19
51	Mast cell-dependent activation of pro matrix metalloprotease 2: a role for serglycin proteoglycan-dependent mast cell proteases. <i>Biological Chemistry</i> , 2006, 387, 1513-9.	2.5	17
52	Bcl-2 and Bcl-XL are indispensable for the late phase of mast cell development from mouse embryonic stem cells. <i>Experimental Hematology</i> , 2007, 35, 385-393.	0.4	17
53	Increased Bone Mass in Female Mice Lacking Mast Cell Chymase. <i>PLoS ONE</i> , 2016, 11, e0167964.	2.5	15
54	Mast Cells and MCPT4 Chymase Promote Renal Impairment after Partial Ureteral Obstruction. <i>Frontiers in Immunology</i> , 2017, 8, 450.	4.8	15

#	ARTICLE	IF	CITATIONS
55	Mast cell chymase protects against acute ischemic kidney injury by limiting neutrophil hyperactivation and recruitment. <i>Kidney International</i> , 2020, 97, 516-527.	5.2	14
56	Age-related enlargement of lymphoid tissue and altered leukocyte composition in serglycin-deficient mice. <i>Journal of Leukocyte Biology</i> , 2009, 85, 401-408.	3.3	13
57	Serglycin proteoglycans limit enteropathy in <i>Trichinella spiralis</i> -infected mice. <i>BMC Immunology</i> , 2016, 17, 15.	2.2	12
58	Molecular Cloning and Preliminary Functional Analysis of Two Novel Human KRAB Zinc Finger Proteins, HKr18 and HKr19. <i>DNA and Cell Biology</i> , 2001, 20, 275-286.	1.9	11
59	Serglycin-independent Release of Active Mast Cell Proteases in Response to <i>Toxoplasma gondii</i> Infection*. <i>Journal of Biological Chemistry</i> , 2010, 285, 38005-38013.	3.4	11
60	Loss of Serglycin Promotes Primary Tumor Growth and Vessel Functionality in the RIP1-Tag2 Mouse Model for Spontaneous Insulinoma Formation. <i>PLoS ONE</i> , 2015, 10, e0126688.	2.5	11
61	Mast cells are critical for the limitation of thrombin-induced skin inflammation. <i>Experimental Dermatology</i> , 2018, 27, 50-57.	2.9	11
62	Mouse Mast Cell Protease-4 Recruits Leukocytes in the Inflammatory Phase of Surgically Wounded Skin. <i>Advances in Wound Care</i> , 2019, 8, 469-475.	5.1	9
63	Mast Cells Limit Ear Swelling Independently of the Chymase Mouse Mast Cell Protease 4 in an MC903-Induced Atopic Dermatitis-Like Mouse Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6311.	4.1	9
64	The Chymase Mouse Mast Cell Protease-4 Regulates Intestinal Cytokine Expression in Mature Adult Mice Infected with <i>Giardia intestinalis</i> . <i>Cells</i> , 2020, 9, 925.	4.1	9
65	Reduction with dithiothreitol causes serglycin-specific defects in secretory granule integrity of bone marrow derived mast cells. <i>Molecular Immunology</i> , 2009, 46, 422-428.	2.2	8
66	Ivermectin-induced gene expression changes in adult <i>Parascaris univalens</i> and <i>Caenorhabditis elegans</i> : a comparative approach to study anthelmintic metabolism and resistance in vitro. <i>Parasites and Vectors</i> , 2022, 15, 158.	2.5	7
67	Serglycin proteoglycan is not implicated in localizing exocrine pancreas enzymes to zymogen granules. <i>European Journal of Cell Biology</i> , 2009, 88, 473-479.	3.6	6
68	Serglycin protects against high fat diet-induced increase in serum LDL in mice. <i>Glycoconjugate Journal</i> , 2015, 32, 703-714.	2.7	5
69	<i>Giardia</i> excretory-secretory proteins modulate the enzymatic activities of mast cell chymase and tryptase. <i>Molecular Immunology</i> , 2019, 114, 535-544.	2.2	4
70	Novel aspects of mast cell and basophil function: Highlights from the 9th meeting of the European Mast Cell and Basophil Research Network (EMBRN) – A Marcus Wallenberg Symposium. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 707-708.	5.7	4
71	Mast Cell Chymase/Mcpt4 Suppresses the Host Immune Response to <i>Plasmodium yoelii</i> , Limits Malaria-Associated Disruption of Intestinal Barrier Integrity and Reduces Parasite Transmission to <i>Anopheles stephensi</i> . <i>Frontiers in Immunology</i> , 2022, 13, 801120.	4.8	4
72	Serglycin-Deficiency Causes Reduced Weight Gain and Changed Intestinal Cytokine Responses in Mice Infected With <i>Giardia intestinalis</i> . <i>Frontiers in Immunology</i> , 2021, 12, 677722.	4.8	2

#	ARTICLE	IF	CITATIONS
73	<i>Aedes albopictus</i> salivary proteins adenosine deaminase and 34k2 interact with human mast cell specific proteases tryptase and chymase. <i>Bioengineered</i> , 2022, 13, 13752-13766.	3.2	2