

Richard L Stevens

List of Publications by Year in descending order

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44
papers

3,575
citations

159525

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h-index

276775

41
g-index

44
all docs

44
docs citations

44
times ranked

3935
citing authors

#	ARTICLE	IF	CITATIONS
1	Heparin is essential for the storage of specific granule proteases in mast cells. <i>Nature</i> , 1999, 400, 769-772.	13.7	394
2	Human Ecalectin, a Variant of Human Galectin-9, Is a Novel Eosinophil Chemoattractant Produced by T Lymphocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 16976-16984.	1.6	274
3	Cooperative and Antagonistic Interplay between PU.1 and GATA-2 in the Specification of Myeloid Cell Fates. <i>Immunity</i> , 2002, 17, 665-676.	6.6	242
4	A new short-term mouse model of chronic obstructive pulmonary disease identifies a role for mast cell tryptase in pathogenesis. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 752-762.e7.	1.5	210
5	The Mast Cell-restricted Tryptase mMCP-6 Has a Critical Immunoprotective Role in Bacterial Infections. <i>Journal of Biological Chemistry</i> , 2007, 282, 20809-20815.	1.6	157
6	Mast Cells Contribute to Autoimmune Inflammatory Arthritis via Their Tryptase/Heparin Complexes. <i>Journal of Immunology</i> , 2009, 182, 647-656.	0.4	153
7	Specific release of proteoglycans from human natural killer cells during target lysis. <i>Nature</i> , 1985, 318, 289-291.	13.7	148
8	Evaluation of the Substrate Specificity of Human Mast Cell Tryptase β and Demonstration of Its Importance in Bacterial Infections of the Lung. <i>Journal of Biological Chemistry</i> , 2001, 276, 26276-26284.	1.6	130
9	Development of Mast Cells and Importance of Their Tryptase and Chymase Serine Proteases in Inflammation and Wound Healing. <i>Advances in Immunology</i> , 2014, 122, 211-252.	1.1	127
10	Protease β proteoglycan complexes of mouse and human mast cells and importance of their β -tryptase β heparin complexes in inflammation and innate immunity. <i>Immunological Reviews</i> , 2007, 217, 155-167.	2.8	126
11	Packaging of Proteases and Proteoglycans in the Granules of Mast Cells and Other Hematopoietic Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 19524-19531.	1.6	116
12	Mice Deficient in Heparan Sulfate 6-O-Sulfotransferase-1 Exhibit Defective Heparan Sulfate Biosynthesis, Abnormal Placentation, and Late Embryonic Lethality. <i>Journal of Biological Chemistry</i> , 2007, 282, 15578-15588.	1.6	110
13	Essential role for mast cell tryptase in acute experimental colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 290-295.	3.3	105
14	Natural Disruption of the Mouse Mast Cell Protease 7 Gene in the C57BL/6 Mouse. <i>Journal of Biological Chemistry</i> , 1996, 271, 2851-2855.	1.6	97
15	Mast Cell-restricted Tryptases: Structure and Function in Inflammation and Pathogen Defense. <i>Journal of Biological Chemistry</i> , 2007, 282, 20785-20789.	1.6	88
16	Mast Cell Protease 5 Mediates Ischemia-Reperfusion Injury of Mouse Skeletal Muscle. <i>Journal of Immunology</i> , 2005, 174, 7285-7291.	0.4	81
17	Regulation and function of mast cell proteases in inflammation. <i>Journal of Clinical Immunology</i> , 1998, 18, 169-183.	2.0	80
18	Mast cells/basophils in the peripheral blood of allergic individuals who are HIV-1 susceptible due to their surface expression of CD4 and the chemokine receptors CCR3, CCR5, and CXCR4. <i>Blood</i> , 2001, 97, 3484-3490.	0.6	78

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19	Importance of Mast Cell Prss31/Transmembrane Tryptase/Tryptase- β in Lung Function and Experimental Chronic Obstructive Pulmonary Disease and Colitis. <i>Journal of Biological Chemistry</i> , 2014, 289, 18214-18227.	1.6	78
20	Biochemical and Functional Characterization of Human Transmembrane Tryptase (TMT)/Tryptase β . <i>Journal of Biological Chemistry</i> , 2002, 277, 41906-41915.	1.6	72
21	Mast Cell Tryptase Deficiency Attenuates Mouse Abdominal Aortic Aneurysm Formation. <i>Circulation Research</i> , 2011, 108, 1316-1327.	2.0	70
22	The mouse mast cell- α -restricted tetramer-forming tryptases mouse mast cell protease 6 and mouse mast cell protease 7 are critical mediators in inflammatory arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 2338-2346.	6.7	68
23	Mouse Chromosome 17A3.3 Contains 13 Genes That Encode Functional Tryptic-like Serine Proteases with Distinct Tissue and Cell Expression Patterns. <i>Journal of Biological Chemistry</i> , 2004, 279, 2438-2452.	1.6	64
24	Ancient origin of mast cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 314-318.	1.0	64
25	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.	0.4	62
26	The Multifaceted Mast Cell in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2364-2378.	0.9	62
27	Synovial Fibroblasts Promote the Expression and Granule Accumulation of Tryptase via Interleukin-33 and Its Receptor ST-2 (IL1RL1). <i>Journal of Biological Chemistry</i> , 2010, 285, 21478-21486.	1.6	58
28	Mast Cell Restricted Mouse and Human Tryptase-Heparin Complexes Hinder Thrombin-induced Coagulation of Plasma and the Generation of Fibrin by Proteolytically Destroying Fibrinogen. <i>Journal of Biological Chemistry</i> , 2012, 287, 7834-7844.	1.6	46
29	Formation of Enzymatically Active, Homotypic, and Heterotypic Tetramers of Mouse Mast Cell Tryptases. <i>Journal of Biological Chemistry</i> , 2000, 275, 351-358.	1.6	33
30	Mast Cell- α -Restricted, Tetramer-Forming Tryptases Induce Aggrecanolytic Activity in Articular Cartilage by Activating Matrix Metalloproteinase-3 and -13 Zymogens. <i>Journal of Immunology</i> , 2013, 191, 1404-1412.	0.4	32
31	Mouse Mast Cell Proteases 4 and 5 Mediate Epidermal Injury through Disruption of Tight Junctions. <i>Journal of Immunology</i> , 2014, 192, 2812-2820.	0.4	30
32	Serosal mast cells maintain their viability and promote the metabolism of cartilage proteoglycans when cocultured with chondrocytes. <i>Arthritis and Rheumatism</i> , 1992, 35, 325-335.	6.7	20
33	Interleukin-33 Primes Mast Cells for Activation by IgG Immune Complexes. <i>PLoS ONE</i> , 2012, 7, e47252.	1.1	20
34	Mouse Mast Cells That Possess Segmented/Multi-lobular Nuclei. <i>Blood</i> , 1997, 90, 382-390.	0.6	19
35	Experimental Arthritis Is Dependent on Mouse Mast Cell Protease-5. <i>Journal of Biological Chemistry</i> , 2017, 292, 5392-5404.	1.6	13
36	Secretory Granule Proteoglycans of Mast Cells and Natural Killer Cells. <i>Novartis Foundation Symposium</i> , 1986, 124, 272-285.	1.2	11

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37	Viral infections: beneficial role of eosinophils. Blood, 2007, 110, 1406-1406.	0.6	10
38	Mast Cell-“Restricted Tetramer-Forming Tryptases and Their Beneficial Roles in Hemostasis and Blood Coagulation. Immunology and Allergy Clinics of North America, 2014, 34, 263-281.	0.7	9
39	The Identification of a Plasma Membrane 3,3 ^{1/4} ,5-Triiodo-L-Thyronine Binding Protein on the Cultured Swarm Rat Chondrosarcoma Chondrocyte and the Lack of Its Up-Regulation by Insulin in Vitro*. Endocrinology, 1986, 118, 573-582.	1.4	6
40	CD117+ Dendritic and Mast Cells Are Dependent on RasGRP4 to Function as Accessory Cells for Optimal Natural Killer Cell-Mediated Responses to Lipopolysaccharide. PLoS ONE, 2016, 11, e0151638.	1.1	6
41	RasGRP4 in Mast Cell Signalling and Disease Susceptibility. Novartis Foundation Symposium, 0, , 54-77.	1.2	3
42	Human and Mouse Mast Cell Tryptases. , 2000, , 235-255.		2
43	The Importance of Mouse, Rat, and Dog Mast Cell Lines. American Journal of Respiratory Cell and Molecular Biology, 1990, 3, 403-404.	1.4	1
44	Mouse Mast Cell Tetramer-forming Tryptases. , 2013, , 2698-2705.		0