

# Lawrence B Schwartz

## List of Publications by Year in descending order

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109  
papers

9,484  
citations

36303

51  
h-index

37204

96  
g-index

110  
all docs

110  
docs citations

110  
times ranked

5847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining baseline variability of serum tryptase levels improves accuracy in identifying anaphylaxis. Journal of Allergy and Clinical Immunology, 2022, 149, 1010-1017.e10.	2.9	38
2	Personalized Management Strategies in Mast Cell Disorders: ECNM-AIM Userâ€™s Guide for Daily Clinical Practice. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 1999-2012.e6.	3.8	35
3	Heritable risk for severe anaphylaxis associated with increased $\beta$ -tryptase-encoding germline copy number at TPSAB1. Journal of Allergy and Clinical Immunology, 2021, 147, 622-632.	2.9	137
4	Clinical Impact of Inherited and Acquired Genetic Variants in Mastocytosis. International Journal of Molecular Sciences, 2021, 22, 411.	4.1	21
5	Selecting the Right Criteria and Proper Classification to Diagnose Mast Cell Activation Syndromes: A Critical Review. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 3918-3928.	3.8	33
6	COVID-19 Vaccination in Mastocytosis: Recommendations of the European Competence Network on Mastocytosis (ECNM) and American Initiative in Mast Cell Diseases (AIM). Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 2139-2144.	3.8	31
7	Clinical relevance of inherited genetic differences in human tryptases. Annals of Allergy, Asthma and Immunology, 2021, 127, 638-647.	1.0	30
8	Mast Cell Activation During Suspected Perioperative Hypersensitivity: A Need for Paired Samples Analysis. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 3051-3059.e1.	3.8	13
9	Use and Interpretation of Acute and Baseline Tryptase in Perioperative Hypersensitivity and Anaphylaxis. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 2994-3005.	3.8	45
10	Updated Diagnostic Criteria and Classification of Mast Cell Disorders: A Consensus Proposal. HemaSphere, 2021, 5, e646.	2.7	128
11	New developments in the field of mastocytosis and mast cell activation syndromes: a summary of the Annual Meeting of the European Competence Network on Mastocytosis (ECNM) 2019. Leukemia and Lymphoma, 2020, 61, 1075-1083.	1.3	11
12	Mast cells as a unique hematopoietic lineage and cell system: From Paul Ehrlich's visions to precision medicine concepts. Theranostics, 2020, 10, 10743-10768.	10.0	107
13	Fluvastatin Induces Apoptosis in Primary and Transformed Mast Cells. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 104-112.	2.5	6
14	Long-term safety and efficacy of subcutaneous C1-inhibitor in older patients with hereditary angioedema. Annals of Allergy, Asthma and Immunology, 2020, 125, 334-340.e1.	1.0	4
15	Clinical Approach to a Patient with Elevated Serum Tryptase: Implications of Acute Versus Basally Elevated Levels. , 2020, , 35-54.		3
16	Impact of naturally forming human $\beta$ -tryptase heterotetramers in the pathogenesis of hereditary $\beta$ -tryptasemia. Journal of Experimental Medicine, 2019, 216, 2348-2361.	8.5	85
17	AAAAI Mast Cell Disorders Committee Work Group Report: Mast cell activation syndrome (MCAS) diagnosis and management. Journal of Allergy and Clinical Immunology, 2019, 144, 883-896.	2.9	72
18	An Allosteric Anti-tryptase Antibody for the Treatment of Mast Cell-Mediated Severe Asthma. Cell, 2019, 179, 417-431.e19.	28.9	76

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19	Long-Term Outcomes with Subcutaneous C1-Inhibitor Replacement Therapy for Prevention of Hereditary Angioedema Attacks. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1793-1802.e2.	3.8	58
20	Paired acuteâ€baseline serum tryptase levels in perioperative anaphylaxis: An observational study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1157-1165.	5.7	49
21	Proposed Diagnostic Algorithm for Patients with Suspected Mast Cell Activation Syndrome. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1125-1133.e1.	3.8	150
22	Adverse reactions to drugs and biologics in patients with clonal mast cell disorders: AÂWork Group Report of the Mast Cells Disorder Committee, American Academy of Allergy, Asthma & Immunology. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 880-893.	2.9	50
23	Clinical communication: systemic capillary leak syndrome due to mast cell activation?. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 122, 428-429.	1.0	0
24	IgE-mediated mast cell activation promotes inflammation and cartilage destruction in osteoarthritis. <i>ELife</i> , 2019, 8, .	6.0	74
25	Dual functionality of Î²-tryptase protomers as both proteases and cofactors in the active tetramer. <i>Journal of Biological Chemistry</i> , 2018, 293, 9614-9628.	3.4	13
26	Human mast cells present antigen to autologous CD4+ T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 311-321.e10.	2.9	52
27	Effect of Lanadelumab Compared With Placebo on Prevention of Hereditary Angioedema Attacks. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2108.	7.4	174
28	Mast cell activation syndrome: Importance of consensus criteria and call for research. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1008-1010.	2.9	27
29	Severity strata for POEM, PO-SCORAD, and DLQI in US adults with atopic dermatitis. <i>Annals of Allergy, Asthma and Immunology</i> , 2018, 121, 464-468.e3.	1.0	40
30	Advances in the Classification and Treatment of Mastocytosis: Current Status and Outlook toward the Future. <i>Cancer Research</i> , 2017, 77, 1261-1270.	0.9	210
31	A Multiparametric Model for Mapping Cellularity in Glioblastoma Using Radiographically Localized Biopsies. <i>American Journal of Neuroradiology</i> , 2017, 38, 890-898.	2.4	90
32	Chronic Idiopathic Urticaria: Systemic Complaints and Their Relationship with Disease and Immune Measures. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017, 5, 1314-1318.	3.8	49
33	Fatal anaphylaxis caused by gadolinium due to beta-tryptaseâ€induced hemorrhagic diathesis. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017, 5, 1433-1434.	3.8	9
34	A humanized mouse model of anaphylactic peanut allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 314-322.e9.	2.9	54
35	Regulation of Reactive Oxygen Species and the Antioxidant Protein DJ-1 in Mastocytosis. <i>PLoS ONE</i> , 2016, 11, e0162831.	2.5	9
36	Elevated basal serum tryptase identifies a multisystem disorder associated with increased TPSAB1 copy number. <i>Nature Genetics</i> , 2016, 48, 1564-1569.	21.4	279

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37	Biomarkers of the involvement of mast cells, basophils and eosinophils in asthma and allergic diseases. World Allergy Organization Journal, 2016, 9, 7.	3.5	124
38	Anaphylaxis and Its Management. , 2016, , 651-671.		0
39	Presence or Absence of Elevated Acute Total Serum Tryptase by Itself Is Not a Definitive Marker for an Allergic Reaction. Anesthesiology, 2015, 122, 713-714.	2.5	34
40	Refractory intraoperative hypotension with elevated serum tryptase. Asia Pacific Allergy, 2015, 5, 47-50.	1.3	6
41	Report from the National Institute of Allergy and Infectious Diseases workshop on drug allergy. Journal of Allergy and Clinical Immunology, 2015, 136, 262-271.e2.	2.9	51
42	Anaphylaxis in America: A national physician survey. Journal of Allergy and Clinical Immunology, 2015, 135, 830-833.	2.9	31
43	Episodic angioedema with eosinophilia (Gleich syndrome) is a multilineage cell cycling disorder. Haematologica, 2015, 100, 300-307.	3.5	60
44	A Simple, Sensitive and Safe Method to Determine the Human $\epsilon/\delta$ -Tryptase Genotype. PLoS ONE, 2014, 9, e114944.	2.5	9
45	Contribution of Mast Cellâ€Derived Interleukinâ€1 $\beta$ to Uric Acid Crystalâ€Induced Acute Arthritis in Mice. Arthritis and Rheumatology, 2014, 66, 2881-2891.	5.6	59
46	Basophils are elevated in nasal polyps of patients with chronic rhinosinusitis without aspirin sensitivity. Journal of Allergy and Clinical Immunology, 2014, 133, 1759-1763.	2.9	80
47	Anaphylaxis in America: The prevalence and characteristics of anaphylaxis in the United States. Journal of Allergy and Clinical Immunology, 2014, 133, 461-467.	2.9	319
48	Mendelian inheritance of elevated serum tryptase associated with atopy and connective tissue abnormalities. Journal of Allergy and Clinical Immunology, 2014, 133, 1471-1474.	2.9	110
49	Increased circulating levels of neurotrophins and elevated expression of their high-affinity receptors on skin and gut mast cells in mastocytosis. Blood, 2013, 122, 1779-1788.	1.4	31
50	International Working Group-Myeloproliferative Neoplasms Research and Treatment (IWG-MRT) & European Competence Network on Mastocytosis (ECNM) consensus response criteria in advanced systemic mastocytosis. Blood, 2013, 121, 2393-2401.	1.4	122
51	Definitions, Criteria and Global Classification of Mast Cell Disorders with Special Reference to Mast Cell Activation Syndromes: A Consensus Proposal. International Archives of Allergy and Immunology, 2012, 157, 215-225.	2.1	513
52	Obesity is not linked to increased whole-body mast cell burden in children. Journal of Allergy and Clinical Immunology, 2012, 129, 1164-1166.e4.	2.9	8
53	In Vitro Desensitization of Human Skin Mast Cells. Journal of Clinical Immunology, 2012, 32, 150-160.	3.8	20
54	Total tryptase levels indicate risk for systemic reactions to rush immunotherapy and mast cell activation. Annals of Allergy, Asthma and Immunology, 2011, 106, 342-343.e6.	1.0	8

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55	Processing of Human Protryptase in Mast Cells Involves Cathepsins L, B, and C. Journal of Immunology, 2011, 187, 1912-1918.	0.8	26
56	Promiscuous Processing of Human $\hat{\iota}^2$ -Protryptases by Cathepsins L, B, and C. Journal of Immunology, 2011, 186, 7136-7143.	0.8	18
57	Tryptase Is Not Cleared by the Kidneys into the Urine. International Archives of Allergy and Immunology, 2010, 152, 28-31.	2.1	18
58	Mast cells from different molecular and prognostic subtypes of systemic mastocytosis display distinct immunophenotypes. Journal of Allergy and Clinical Immunology, 2010, 125, 719-726.e4.	2.9	128
59	Current strategies in the management of hypereosinophilic syndrome, including mepolizumab. Current Medical Research and Opinion, 2010, 26, 1933-1946.	1.9	15
60	Assessing anaphylactic risk? Consider mast cell clonality. Journal of Allergy and Clinical Immunology, 2009, 123, 687-688.	2.9	53
61	Mast Cells. , 2009, , 31-52B.		0
62	Mast Cells and Basophils. , 2009, , 157-193.		0
63	TGF- $\hat{\iota}^2$ 1 Attenuates Mediator Release and De Novo Kit Expression by Human Skin Mast Cells through a Smad-Dependent Pathway. Journal of Immunology, 2008, 181, 7263-7272.	0.8	40
64	Generation of Anaphylatoxins by Human $\hat{\iota}^2$ -Tryptase from C3, C4, and C5. Journal of Immunology, 2008, 180, 6307-6316.	0.8	92
65	Omalizumab Reverses the Phenotypic and Functional Effects of IgE-Enhanced Fc $\hat{\iota}$ RI on Human Skin Mast Cells. Journal of Immunology, 2007, 179, 1353-1361.	0.8	70
66	Active monomers of human $\hat{\iota}^2$ -tryptase have expanded substrate specificities. International Immunopharmacology, 2007, 7, 1900-1908.	3.8	24
67	Risk assessment in anaphylaxis: Current and future approaches. Journal of Allergy and Clinical Immunology, 2007, 120, S2-S24.	2.9	237
68	Tryptase haplotype in mastocytosis: Relationship to disease variant and diagnostic utility of total tryptase levels. Clinical Immunology, 2007, 123, 268-271.	3.2	40
69	Diagnostic Value of Tryptase in Anaphylaxis and Mastocytosis. Immunology and Allergy Clinics of North America, 2006, 26, 451-463.	1.9	376
70	Current Options in the Treatment of Mast Cell Mediator-Related Symptoms in Mastocytosis. Inflammation and Allergy: Drug Targets, 2006, 5, 61-77.	1.8	76
71	Evaluation of biologic activity of tryptase secreted from blast cells in acute myeloid leukemia. Leukemia and Lymphoma, 2006, 47, 897-906.	1.3	11
72	The B12 Anti-Tryptase Monoclonal Antibody Disrupts the Tetrameric Structure of Heparin-Stabilized $\hat{\iota}^2$ -Tryptase to Form Monomers That Are Inactive at Neutral pH and Active at Acidic pH. Journal of Immunology, 2006, 176, 3165-3172.	0.8	30

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73	Analysis of MC(T) and MC(TC) mast cells in tissue. <i>Methods in Molecular Biology</i> , 2006, 315, 53-62.	0.9	26
74	Surface CD88 functionally distinguishes the MCTC from the MCT type of human lung mast cell. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 115, 1162-1168.	2.9	133
75	Human $\beta$ -Tryptase:â€‰% Detection and Characterization of the Active Monomer and Prevention of Tetramer Reconstitution by Protease Inhibitors. <i>Biochemistry</i> , 2004, 43, 10757-10764.	2.5	35
76	Diagnosis and classification of mast cell proliferative disorders: delineation from immunologic diseases and nonâ€‰mast cell hematopoietic neoplasms. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 3-11.	2.9	157
77	Effect of sex and haplotype on plasma tryptase levels in healthy adults. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 48-51.	2.9	40
78	Expression of $\beta$ -tryptase and $\beta$ -tryptase by human basophils. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 113, 1086-1092.	2.9	97
79	Enumeration and Immunologic Characterization of Basophils in Normal Bone Marrow and Patients with Myeloproliferative Disorders.. <i>Blood</i> , 2004, 104, 4754-4754.	1.4	0
80	Effector cells of anaphylaxis: mast cells and basophils. <i>Novartis Foundation Symposium</i> , 2004, 257, 65-74; discussion 74-9, 98-100, 276-85.	1.1	15
81	Immunological characterization of A2B adenosine receptors in human mast cells. <i>Drug Development Research</i> , 2003, 58, 461-471.	2.9	16
82	Tryptase Precursors Are Preferentially and Spontaneously Released, Whereas Mature Tryptase Is Retained by HMC-1 Cells, Mono-Mac-6 Cells, and Human Skin-Derived Mast Cells. <i>Journal of Immunology</i> , 2003, 170, 5667-5673.	0.8	107
83	Association of Transient Dermal Mastocytosis and Elevated Plasma Tryptase Levels with Development of Adverse Reactions after Treatment of Onchocerciasis with Ivermectin. <i>Journal of Infectious Diseases</i> , 2002, 186, 1307-1313.	4.0	24
84	Levels of mast-cell growth factors in plasma and in suction skin blister fluid in adults with mastocytosis: Correlation with dermal mast-cell numbers and mast-cell tryptase. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, 82-88.	2.9	52
85	Characterization of mast-cell tryptase-expressing peripheral blood cells as basophils. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, 287-293.	2.9	67
86	Human mouse mast cell protease 7â€‰like tryptase genes are pseudogenes. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 107, 315-321.	2.9	18
87	Expression of mast cell tryptase by myeloblasts in a group of patients with acute myeloid leukemia. <i>Blood</i> , 2001, 98, 2200-2209.	1.4	130
88	Human skinâ€‰derived mast cells can proliferate while retaining their characteristic functional and protease phenotypes. <i>Blood</i> , 2001, 97, 2045-2052.	1.4	133
89	Clinical utility of tryptase levels in systemic mastocytosis and associated hematologic disorders. <i>Leukemia Research</i> , 2001, 25, 553-562.	0.8	95
90	Diagnostic criteria and classification of mastocytosis: a consensus proposal. <i>Leukemia Research</i> , 2001, 25, 603-625.	0.8	1,020

91	Soluble stem cell factor receptor (CD117) and IL-2 receptor alpha chain (CD25) levels in the plasma of patients with mastocytosis: relationships to disease severity and bone marrow pathology. Blood, 2000, 96, 1267-1273.	1.4	68
92	Identification and characterization of multiple forms of tryptase from human mast cells. Archives of Dermatological Research, 1999, 291, 73-80.	1.9	13
93	Serum tryptase: an indicator of anaphylaxis following fluorescein angiography. Graefe's Archive for Clinical and Experimental Ophthalmology, 1999, 237, 433-434.	1.9	12
94	Mast cell tryptase does not alter matrix metalloproteinase expression in human dermal fibroblasts: Further evidence that proteolytically-active tryptase is a potent fibrogenic factor. , 1999, 181, 312-318.		13
95	The potential clinical utility of serum $\hat{\pm}$ -protryptase levels. Journal of Allergy and Clinical Immunology, 1999, 103, 1092-1099.	2.9	61
96	Immunocytochemical Localization of Chymase to Cytoplasmic Vesicles After Rat Peritoneal Mast Cell Stimulation by Compound 48/80. Journal of Histochemistry and Cytochemistry, 1997, 45, 1379-1391.	2.5	10
97	Hymenoptera sting anaphylaxis and urticaria pigmentosa: Clinical findings and results of venom immunotherapy in ten patientsâ~fâ~fâ~fâ~.... Journal of Allergy and Clinical Immunology, 1997, 100, 11-15.	2.9	128
98	Expression and Purification of Recombinant Human Tryptase in a Baculovirus System. Protein Expression and Purification, 1996, 7, 67-73.	1.3	25
99	Treatment of Three Patients with Systemic Mastocytosis with Interferon Alpha-2b. Leukemia and Lymphoma, 1996, 22, 501-508.	1.3	83
100	Immunoelectron microscopic localization of galectin-3, an IgE binding protein, in human mast cells and basophils. The Anatomical Record, 1995, 242, 211-219.	1.8	47
101	Development of a new, more sensitive immunoassay for human tryptase: Use in systemic anaphylaxis. Journal of Clinical Immunology, 1994, 14, 190-204.	3.8	257
102	[6] Tryptase: A mast cell serine protease. Methods in Enzymology, 1994, 244, 88-100.	1.0	76
103	Mast cell changes in scleroderma. Arthritis and Rheumatism, 1992, 35, 933-939.	6.7	66
104	Synovial fluid levels of complement SC5bâ€9 and fragment Bb are elevated in patients with rheumatoid arthritis. Arthritis and Rheumatism, 1991, 34, 1531-1537.	6.7	108
105	Laboratory Investigation of Deaths Due to Anaphylaxis. Journal of Forensic Sciences, 1991, 36, 857-865.	1.6	216
106	Interactions of human mast cell tryptase with biological protease inhibitors. Archives of Biochemistry and Biophysics, 1990, 276, 26-31.	3.0	94
107	Tryptase and chymase, markers of distinct types of human mast cells. Immunologic Research, 1989, 8, 130-148.	2.9	70

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109	Mast cell numbers and histamine levels in synovial fluids from patients with diverse arthritides. Arthritis and Rheumatism, 1986, 29, 956-963.	6.7	124