Michael Wallner

List of Publications by Year
in descending order

47	1,590	279798 23	302126 39
papers	citations	h-index	g-index

48	48	48	2647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulatory T Cell Specificity Directs Tolerance versus Allergy against Aeroantigens in Humans. Cell, 2016, 167, 1067-1078.e16.	28.9	253
2	Crystallographically Mapped Ligand Binding Differs in High and Low IgE Binding Isoforms of Birch Pollen Allergen Bet v 1. Journal of Molecular Biology, 2012, 422, 109-123.	4.2	93
3	Naturally processed T cellâ€“activating peptides of the major birch pollen allergen. Journal of Allergy and Clinical Immunology, 2010, 125, 711-718.e2.	2.9	69
4	Biological Activity of Masked Endotoxin. Scientific Reports, 2017, 7, 44750.	3.3	65
5	Assessing Protein Immunogenicity with a Dendritic Cell Line-Derived Endolysosomal Degradome. PLoS ONE, 2011, 6, e17278.	2.5	64
6	Tiam1/Rac1 signals contribute to the proliferation and chemoresistance, but not motility, of chronic lymphocytic leukemia cells. Blood, 2014, 123, 2181-2188.	1.4	61
7	Genetic Engineering of Allergens: Future Therapeutic Products. International Archives of Allergy and Immunology, 2002, 128, 171-178.	2.1	60
8	Pollen Allergens for Molecular Diagnosis. Current Allergy and Asthma Reports, 2016, 16, 31.	5.3	55
9	Antigen Aggregation Decides the Fate of the Allergic Immune Response. Journal of Immunology, 2010, 184, 725-735.	0.8	53
10	Reshaping the Bet v 1 fold modulates TH polarization. Journal of Allergy and Clinical Immunology, 2011, 127, 1571-1578.e9.	2.9	53
11	Allergy multivaccines created by DNA shuffling of tree pollen allergens. Journal of Allergy and Clinical Immunology, 2007, 120, 374-380.	2.9	42
12	Molecular Approach to Allergy Diagnosis and Therapy. Yonsei Medical Journal, 2014, 55, 839.	2.2	42
13	Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. PLoS ONE, 2012, 7, e37156.	2.5	42
14	Designing hypoallergenic derivatives for allergy treatment by means of in silico mutation and screening. Journal of Allergy and Clinical Immunology, 2010, 125, 926-934.e10.	2.9	41
15	Pectate Lyase Pollen Allergens: Sensitization Profiles and Cross-Reactivity Pattern. PLoS ONE, 2015, 10, e0120038.	2.5	41
16	Modified Recombinant Allergens for Safer Immunotherapy. Inflammation and Allergy: Drug Targets, 2006, 5, 5-14.	1.8	40
17	T-cell epitope conservation across allergen species is a major determinant of immunogenicity. Journal of Allergy and Clinical Immunology, 2016, 138, 571-578.e7.	2.9	40
18	Allergens of <i>Blomia tropicalis</i>: An Overview of Recombinant Molecules. International Archives of Allergy and Immunology, 2017, 172, 203-214.	2.1	38

#	Article	IF	Citations
19	Ligand Binding Modulates the Structural Dynamics and Compactness of the Major Birch Pollen Allergen. Biophysical Journal, 2014, 107, 2972-2981.	0.5	35
20	Detection of coexisting protein conformations in capillary zone electrophoresis subsequent to transient contact with sodium dodecyl sulfate solutions. Electrophoresis, 2005, 26, 1089-1105.	2.4	32
21	Differential T-cell responses and allergen uptake after exposure of dendritic cells to the birch pollen allergens Bet v 1.0101, Bet v 1.0401 and Bet v 1.1001. Immunobiology, 2010, 215, 903-909.	1.9	28
22	Expression and Characterization of Functional Recombinant Bet v 1.0101 in the Chloroplast of <i>Chlamydomonas reinhardtii</i>. International Archives of Allergy and Immunology, 2017, 173, 44-50.	2.1	28
23	Tackling Bet v 1 and associated food allergies with a single hybrid protein. Journal of Allergy and Clinical Immunology, 2017, 140, 525-533.e10.	2.9	27
24	Lab scale and medium scale production of recombinant allergens in Escherichia coli. Methods, 2004, 32, 219-226.	3.8	26
25	Effect of structural stability on endolysosomal degradation and Tâ€cell reactivity of major shrimp allergen tropomyosin. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2909-2919.	5.7	25
26	Retinoic acidâ€loading of the major birch pollen allergen Bet v 1 may improve specific allergen immunotherapy: In silico, in vitro and in vivo data in BALB/c mice. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2073-2077.	5.7	23
27	The Influence of Recombinant Production on the Immunologic Behavior of Birch Pollen Isoallergens. PLoS ONE, 2009, 4, e8457.	2.5	19
28	The Fold Variant BM4 Is Beneficial in a Therapeutic Bet v 1 Mouse Model. BioMed Research International, 2013, 2013, 1-5.	1.9	19
29	Human TCR Transgenic Bet v 1-Specific Th1 Cells Suppress the Effector Function of Bet v 1-Specific Th2 Cells. Journal of Immunology, 2011, 187, 4077-4087.	0.8	18
30	Does clinical outcome of birch pollen immunotherapy relate to induction of blocking antibodies preventing IgE from allergen binding? A pilot study monitoring responses during first year of AIT. Clinical and Translational Allergy, 2018, 8, 39.	3.2	18
31	Structural basis for cross-reactivity and conformation fluctuation of the major beech pollen allergen Fag s 1. Scientific Reports, 2018, 8, 10512.	3.3	17
32	Customized Antigens for Desensitizing Allergic Patients. Advances in Immunology, 2004, 84, 79-129.	2.2	16
33	Is Aboriginal Food Less Allergenic? Comparing IgE-Reactivity of Eggs from Modern and Ancient Chicken Breeds in a Cohort of Allergic Children. PLoS ONE, 2011, 6, e19062.	2.5	13
34	Recombinant allergens for pollen immunotherapy. Immunotherapy, 2013, 5, 1323-1338.	2.0	12
35	A hybrid of two major Blomia tropicalis allergens as an allergy vaccine candidate. Clinical and Experimental Allergy, 2020, 50, 835-847.	2.9	12
36	T Cell Epitope-Containing Domains of Ragweed Amb a 1 and Mugwort Art v 6 Modulate Immunologic Responses in Humans and Mice. PLoS ONE, 2017, 12, e0169784.	2.5	10

#	Article	IF	Citations
37	Skeletal morphofunctional considerations and the pituitary-thyroid axis. Frontiers in Bioscience - Elite, 2009, 1, 92.	1.8	9
38	Structural Integrity of the Antigen Is a Determinant for the Induction of T-Helper Type-1 Immunity in Mice by Gene Gun Vaccines against E.coli Beta-Galactosidase. PLoS ONE, 2014, 9, e102280.	2.5	9
39	Biologic effects of nanoparticle-allergen conjugates: time-resolved uptake using an in vitro lung epithelial co-culture model of A549 and THP-1 cells. Environmental Science: Nano, 2018, 5, 2184-2197.	4.3	8
40	Nâ€terminal peptide deletion influences immunological and structural features of Blo t 5. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1503-1507.	5.7	8
41	Specific immunotherapy in pollen allergy. Current Opinion in Molecular Therapeutics, 2007, 9, 160-7.	2.8	8
42	Endolysosomal protease susceptibility of Amb a 1 as a determinant of allergenicity. Journal of Allergy and Clinical Immunology, 2018, 141, 1488-1491.e5.	2.9	7
43	Response toDetection and analysis of unusual features in the structural model and structure-factor data of a birch pollen allergen. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 377-377.	0.7	4
44	NMR resonance assignments of a hypoallergenic isoform of the major birch pollen allergen Bet v 1. Biomolecular NMR Assignments, 2017, 11, 231-234.	0.8	4
45	Comparing Proteolytic Fingerprints of Antigen-Presenting Cells during Allergen Processing. International Journal of Molecular Sciences, 2017, 18, 1225.	4.1	2
46	LTP cross-reactivity - primary sensitization to mugwort pollen LTP Art v 3, facilitates subsequent sensitisation to peach LTP Pru p 3 in mice. Clinical and Translational Allergy, 2014, 4, .	3.2	1
47	Adverse Reactions Triggered by Amaranth Allergens-What We Know So Far from a Molecular Perspective. Journal of Allergy & Therapy, 2015, 06, .	0.1	0