

Michael Wallner

List of Publications by Year in descending order

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47
papers

1,590
citations

279798

23
h-index

302126

39
g-index

48
all docs

48
docs citations

48
times ranked

2647
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinoic acid 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. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2073-2077.	5.7	23
2	N-terminal peptide deletion influences immunological and structural features of Blo t 5. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1503-1507.	5.7	8
3	A hybrid of two major <i>Blomia tropicalis</i> allergens as an allergy vaccine candidate. <i>Clinical and Experimental Allergy</i> , 2020, 50, 835-847.	2.9	12
4	Effect of structural stability on endolysosomal degradation and T cell reactivity of major shrimp allergen tropomyosin. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2909-2919.	5.7	25
5	Endolysosomal protease susceptibility of Amb a 1 as a determinant of allergenicity. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1488-1491.e5.	2.9	7
6	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 ALT. <i>Clinical and Translational Allergy</i> , 2018, 8, 39.	3.2	18
7	Structural basis for cross-reactivity and conformation fluctuation of the major beech pollen allergen Fag s 1. <i>Scientific Reports</i> , 2018, 8, 10512.	3.3	17
8	Biologic effects of nanoparticle-allergen conjugates: time-resolved uptake using an <i>in vitro</i> lung epithelial co-culture model of A549 and THP-1 cells. <i>Environmental Science: Nano</i> , 2018, 5, 2184-2197.	4.3	8
9	Expression and Characterization of Functional Recombinant Bet v 1.0101 in the Chloroplast of <i>Chlamydomonas reinhardtii</i> . <i>International Archives of Allergy and Immunology</i> , 2017, 173, 44-50.	2.1	28
10	Allergens of <i>Blomia tropicalis</i> : An Overview of Recombinant Molecules. <i>International Archives of Allergy and Immunology</i> , 2017, 172, 203-214.	2.1	38
11	Biological Activity of Masked Endotoxin. <i>Scientific Reports</i> , 2017, 7, 44750.	3.3	65
12	Tackling Bet v 1 and associated food allergies with a single hybrid protein. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 525-533.e10.	2.9	27
13	Comparing Proteolytic Fingerprints of Antigen-Presenting Cells during Allergen Processing. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1225.	4.1	2
14	T Cell Epitope-Containing Domains of Ragweed Amb a 1 and Mugwort Art v 6 Modulate Immunologic Responses in Humans and Mice. <i>PLoS ONE</i> , 2017, 12, e0169784.	2.5	10
15	NMR resonance assignments of a hypoallergenic isoform of the major birch pollen allergen Bet v 1. <i>Biomolecular NMR Assignments</i> , 2017, 11, 231-234.	0.8	4
16	Pollen Allergens for Molecular Diagnosis. <i>Current Allergy and Asthma Reports</i> , 2016, 16, 31.	5.3	55
17	T-cell epitope conservation across allergen species is a major determinant of immunogenicity. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 571-578.e7.	2.9	40
18	Regulatory T Cell Specificity Directs Tolerance versus Allergy against Aeroantigens in Humans. <i>Cell</i> , 2016, 167, 1067-1078.e16.	28.9	253

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19	Adverse Reactions Triggered by Amaranth Allergens-What We Know So Far from a Molecular Perspective. <i>Journal of Allergy & Therapy</i> , 2015, 06, .	0.1	0
20	Pectate Lyase Pollen Allergens: Sensitization Profiles and Cross-Reactivity Pattern. <i>PLoS ONE</i> , 2015, 10, e0120038.	2.5	41
21	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. <i>PLoS ONE</i> , 2014, 9, e102280.	2.5	9
22	Ligand Binding Modulates the Structural Dynamics and Compactness of the Major Birch Pollen Allergen. <i>Biophysical Journal</i> , 2014, 107, 2972-2981.	0.5	35
23	Molecular Approach to Allergy Diagnosis and Therapy. <i>Yonsei Medical Journal</i> , 2014, 55, 839.	2.2	42
24	Tiam1/Rac1 signals contribute to the proliferation and chemoresistance, but not motility, of chronic lymphocytic leukemia cells. <i>Blood</i> , 2014, 123, 2181-2188.	1.4	61
25	LTP cross-reactivity - primary sensitization to mugwort pollen LTP Art v 3, facilitates subsequent sensitisation to peach LTP Pru p 3 in mice. <i>Clinical and Translational Allergy</i> , 2014, 4, .	3.2	1
26	Recombinant allergens for pollen immunotherapy. <i>Immunotherapy</i> , 2013, 5, 1323-1338.	2.0	12
27	The Fold Variant BM4 Is Beneficial in a Therapeutic Bet v 1 Mouse Model. <i>BioMed Research International</i> , 2013, 2013, 1-5.	1.9	19
28	Crystallographically Mapped Ligand Binding Differs in High and Low IgE Binding Isoforms of Birch Pollen Allergen Bet v 1. <i>Journal of Molecular Biology</i> , 2012, 422, 109-123.	4.2	93
29	Response to Detection and analysis of unusual features in the structural model and structure-factor data of a birch pollen allergen. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 377-377.	0.7	4
30	Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. <i>PLoS ONE</i> , 2012, 7, e37156.	2.5	42
31	Reshaping the Bet v 1 fold modulates TH polarization. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1571-1578.e9.	2.9	53
32	Assessing Protein Immunogenicity with a Dendritic Cell Line-Derived Endolysosomal Degradome. <i>PLoS ONE</i> , 2011, 6, e17278.	2.5	64
33	Human TCR Transgenic Bet v 1-Specific Th1 Cells Suppress the Effector Function of Bet v 1-Specific Th2 Cells. <i>Journal of Immunology</i> , 2011, 187, 4077-4087.	0.8	18
34	Is Aboriginal Food Less Allergenic? Comparing IgE-Reactivity of Eggs from Modern and Ancient Chicken Breeds in a Cohort of Allergic Children. <i>PLoS ONE</i> , 2011, 6, e19062.	2.5	13
35	Antigen Aggregation Decides the Fate of the Allergic Immune Response. <i>Journal of Immunology</i> , 2010, 184, 725-735.	0.8	53
36	Naturally processed T cell-activating peptides of the major birch pollen allergen. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 711-718.e2.	2.9	69

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37	Designing hypoallergenic derivatives for allergy treatment by means of in silico mutation and screening. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 926-934.e10.	2.9	41
38	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. <i>Immunobiology</i> , 2010, 215, 903-909.	1.9	28
39	Skeletal morphofunctional considerations and the pituitary-thyroid axis. <i>Frontiers in Bioscience - Elite</i> , 2009, 1, 92.	1.8	9
40	The Influence of Recombinant Production on the Immunologic Behavior of Birch Pollen Isoallergens. <i>PLoS ONE</i> , 2009, 4, e8457.	2.5	19
41	Allergy multivaccines created by DNA shuffling of tree pollen allergens. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 374-380.	2.9	42
42	Specific immunotherapy in pollen allergy. <i>Current Opinion in Molecular Therapeutics</i> , 2007, 9, 160-7.	2.8	8
43	Modified Recombinant Allergens for Safer Immunotherapy. <i>Inflammation and Allergy: Drug Targets</i> , 2006, 5, 5-14.	1.8	40
44	Detection of coexisting protein conformations in capillary zone electrophoresis subsequent to transient contact with sodium dodecyl sulfate solutions. <i>Electrophoresis</i> , 2005, 26, 1089-1105.	2.4	32
45	Customized Antigens for Desensitizing Allergic Patients. <i>Advances in Immunology</i> , 2004, 84, 79-129.	2.2	16
46	Lab scale and medium scale production of recombinant allergens in <i>Escherichia coli</i> . <i>Methods</i> , 2004, 32, 219-226.	3.8	26
47	Genetic Engineering of Allergens: Future Therapeutic Products. <i>International Archives of Allergy and Immunology</i> , 2002, 128, 171-178.	2.1	60