

# Irene Mittermann

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,824  
citations

236925

25  
h-index

265206

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2082  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in allergen-microarray technology for diagnosis and monitoring of allergy: The MeDALL allergen-chip. <i>Methods</i> , 2014, 66, 106-119.	3.8	210
2	Recombinant allergen-based IgE testing to distinguish bee and wasp allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1300-1307.e3.	2.9	112
3	Linking allergy to autoimmune disease. <i>Trends in Immunology</i> , 2009, 30, 109-116.	6.8	98
4	Molecular cloning and characterization of profilin from tobacco ( <i>Nicotiana tabacum</i> ): increased profilin expression during pollen maturation. <i>Plant Molecular Biology</i> , 1995, 27, 137-146.	3.9	87
5	Molecular Aspects of Allergens and Allergy. <i>Advances in Immunology</i> , 2018, 138, 195-256.	2.2	81
6	Identification of a B-cell Epitope of Hyaluronidase, a Major Bee Venom Allergen, from its Crystal Structure in Complex with a Specific Fab. <i>Journal of Molecular Biology</i> , 2007, 368, 742-752.	4.2	75
7	Autoimmunity and atopic dermatitis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2004, 4, 367-371.	2.3	74
8	Low sensitivity of commercially available rApi m 1 for diagnosis of honeybee venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 671-673.	2.9	74
9	Hom s 4, an IgE-Reactive Autoantigen Belonging to a New Subfamily of Calcium-Binding Proteins, Can Induce Th Cell Type 1-Mediated Autoreactivity. <i>Journal of Immunology</i> , 2005, 175, 1286-1294.	0.8	73
10	High sensitivity of CAP-FEIA rVes v 5 and rVes v 1 for diagnosis of <i>Vespula</i> venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1406-1408.	2.9	67
11	IgE Sensitization Profiles Differ between Adult Patients with Severe and Moderate Atopic Dermatitis. <i>PLoS ONE</i> , 2016, 11, e0156077.	2.5	67
12	The IgE-Reactive Autoantigen Hom s 2 Induces Damage of Respiratory Epithelial Cells and Keratinocytes via Induction of IFN- $\gamma$ . <i>Journal of Investigative Dermatology</i> , 2008, 128, 1451-1459.	0.7	48
13	House dust mites as potential carriers for IgE sensitization to bacterial antigens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 115-124.	5.7	48
14	The role of T-cell reactivity towards the autoantigen $\hat{\pm}$ -NAC in atopic dermatitis. <i>British Journal of Dermatology</i> , 2011, 164, 316-324.	1.5	43
15	$\hat{\pm}$ -NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN- $\gamma$ . <i>Journal of Immunology</i> , 2016, 196, 3245-3252.	0.8	42
16	Molecular characterization of wheat allergens specifically recognized by patients suffering from wheat-induced respiratory allergy. <i>Clinical and Experimental Allergy</i> , 2012, 42, 597-609.	2.9	41
17	Characterization of a Novel Isoform of $\hat{\pm}$ -Nascent Polypeptide-associated Complex as IgE-defined Autoantigen. <i>Journal of Investigative Dermatology</i> , 2002, 119, 820-829.	0.7	37
18	$\hat{\pm}$ -Purothionin, a new wheat allergen associated with severe allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 1000-1003.e4.	2.9	34

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19	Induction of autoallergy with an environmental allergen mimicking a self protein in a murine model of experimental allergic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 422-428.	2.9	33
20	Molecular aspects of allergens in atopic dermatitis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2017, 17, 269-277.	2.3	31
21	Prevention of allergy by virus-like nanoparticles (<scp>VNP</scp>) delivering shielded versions of major allergens in a humanized murine allergy model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 246-260.	5.7	31
22	Molecular, Structural and Immunological Characterization of Der p 18, a Chitinase-Like House Dust Mite Allergen. <i>PLoS ONE</i> , 2016, 11, e0160641.	2.5	30
23	Sensitization to grass pollen allergen molecules in a birth cohort – natural Phl p 4 as an early indicator of grass pollen allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1174-1181.e6.	2.9	30
24	MAP kinase phosphorylation of plant profilin. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 382-386.	2.1	29
25	Cytokine Effects Induced by the Human Autoallergen $\hat{\pm}$ -NAC. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1570-1578.	0.7	29
26	The culprit insect but not severity of allergic reactions to bee and wasp venom can be determined by molecular diagnosis. <i>PLoS ONE</i> , 2018, 13, e0199250.	2.5	27
27	Immunocytochemical localisation of actin and profilin in the generative cell of angiosperm pollen: TEM studies on high-pressure frozen and freeze-substituted <i>Ledebouria socialis</i> Roth (Hyacinthaceae). <i>Histochemistry and Cell Biology</i> , 1995, 104, 443-451.	1.7	22
28	High-Level Expression in <i>Escherichia coli</i> and Purification of Recombinant Plant Profilins: Comparison of IgE-Binding Capacity and Allergenic Activity. <i>Biochemical and Biophysical Research Communications</i> , 1996, 226, 42-50.	2.1	20
29	Oligomerization of profilins from birch, man and yeast. Profilin, a ligand for itself?. <i>Sexual Plant Reproduction</i> , 1998, 11, 183-191.	2.2	20
30	The quest for autoreactive antibodies in nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 893-895.e5.	2.9	20
31	Intranasal administration of allergen increases specific IgE whereas intranasal omalizumab does not increase serum IgE levels – A pilot study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1003-1012.	5.7	19
32	Microinjection of profilins from different sources into the green alga <i>Microcystis</i> causes transient inhibition of cell growth. <i>Protoplasma</i> , 1997, 199, 124-134.	2.1	18
33	Molecular characterization of profilin isoforms from tobacco ( <i>Nicotiana tabacum</i> ) pollen. <i>Sexual Plant Reproduction</i> , 1996, 9, 133-139.	2.2	14
34	The Human Skin – Associated Autoantigen $\hat{\pm}$ -NAC Activates Monocytes and Dendritic Cells via TLR-2 and Primes an IL-12-Dependent Th1 Response. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2289-2292.	0.7	14
35	Recombinant glycoproteins resembling carbohydrate-specific IgE epitopes from plants, venoms and mites. <i>EBioMedicine</i> , 2019, 39, 33-43.	6.1	14
36	Identification of <i>prnp1</i> , a tobacco profilin gene activated in tip-growing cells. <i>Plant Molecular Biology</i> , 2001, 46, 531-538.	3.9	13

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37	Genetic Variants in CHIA and CHI3L1 Are Associated with the IgE Response to the Ascaris Resistance Marker ABA-1 and the Birch Pollen Allergen Bet v 1. PLoS ONE, 2016, 11, e0167453.	2.5	12
38	Biophysical characterization of recombinant HIV-1 subtype C virus infectivity factor. Amino Acids, 2011, 40, 981-989.	2.7	11
39	Molecular allergen profiling in horses by microarray reveals Fag e 2 from buckwheat as a frequent sensitizer. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1436-1446.	5.7	10
40	Molecular characterization of a fungal cyclophilin allergen Rhi o 2 and elucidation of antigenic determinants responsible for IgE cross-reactivity. Journal of Biological Chemistry, 2020, 295, 2736-2748.	3.4	10
41	Fluorescent labeling of major honeybee allergens Api m 1 and Api m 2 with quantum dots and the development of a multiplex basophil activation test. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1753-1756.	5.7	10
42	Glycosylation enhances allergenic activity of major bee venom allergen Api m 1 by adding IgE epitopes. Journal of Allergy and Clinical Immunology, 2021, 147, 1502-1504.e5.	2.9	9
43	Molecular IgE sensitization profiles of urban and rural children in South Africa. Pediatric Allergy and Immunology, 2021, 32, 234-241.	2.6	9
44	Autosensitization as a Pathomechanism in Asthma. Annals of the New York Academy of Sciences, 2007, 1107, 417-425.	3.8	8
45	Microarray-Based Detection of Allergen-Reactive IgE in Patients with Mastocytosis. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 2761-2768.e16.	3.8	8
46	A combined biochemical, biophysical and immunological approach towards the identification of celiac disease-specific wheat antigens. Amino Acids, 2013, 45, 889-900.	2.7	7
47	Identification of a villin-related tobacco protein as a novel cross-reactive plant allergen. FEBS Letters, 2005, 579, 3807-3813.	2.8	5