Susanne Vrtala

List of Publications by Year in descending order

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154 papers	8,250 citations	31976 53 h-index	56724 83 g-index
157 all docs	157 docs citations	157 times ranked	3958 citing authors

#	Article	IF	Citations
1	Vaccination with genetically engineered allergens prevents progression of allergic disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14677-14682.	7.1	340
2	Evolution and predictive value of IgE responses toward a comprehensive panel of house dust mite allergens during the first 2Âdecades of life. Journal of Allergy and Clinical Immunology, 2017, 139, 541-549.e8.	2.9	213
3	Advances in allergen-microarray technology for diagnosis and monitoring of allergy: The MeDALL allergen-chip. Methods, 2014, 66, 106-119.	3.8	210
4	From Allergen Genes to Allergy Vaccines. Annual Review of Immunology, 2010, 28, 211-241.	21.8	202
5	Conversion of the major birch pollen allergen, Bet v 1, into two nonanaphylactic T cell epitope-containing fragments: candidates for a novel form of specific immunotherapy.. Journal of Clinical Investigation, 1997, 99, 1673-1681.	8.2	186
6	Identification of Der p 23, a Peritrophin-like Protein, as a New Major Dermatophagoides pteronyssinus Allergen Associated with the Peritrophic Matrix of Mite Fecal Pellets. Journal of Immunology, 2013, 190, 3059-3067.	0.8	177
7	Varying Allergen Composition and Content Affects the in vivo Allergenic Activity of Commercial <i>Dermatophagoides pteronyssinus</i> Extracts. International Archives of Allergy and Immunology, 2012, 159, 253-262.	2.1	158
8	Recombinant allergens for immunoblot diagnosis of tree-pollen allergy. Journal of Allergy and Clinical Immunology, 1991, 88, 889-894.	2.9	156
9	Componentâ€resolved diagnosis of houseâ€dust mite allergy with purified natural and recombinant mite allergens. Clinical and Experimental Allergy, 2004, 34, 597-603.	2.9	156
10	Variability of IgE reactivity profiles among European mite allergic patients. European Journal of Clinical Investigation, 2008, 38, 959-965.	3.4	150
11	Diagnosis of Grass Pollen Allergy with Recombinant Timothy Grass <i>(Phleum pratense)</i> Pollen Allergens. International Archives of Allergy and Immunology, 1992, 97, 287-294.	2.1	133
12	Properties of Tree and Grass Pollen Allergens: Reinvestigation of the Linkage between Solubility and Allergenicity. International Archives of Allergy and Immunology, 1993, 102, 160-169.	2.1	130
13	Phl p 5 resorption in human oral mucosa leads to dose-dependent and time-dependent allergen binding by oral mucosal Langerhans cells, attenuates their maturation, and enhances their migratory and TGF-Î²1 and IL-10â€producing properties. Journal of Allergy and Clinical Immunology, 2010, 126, 638-645.e1.	2.9	122
14	Complementary DNA cloning of the major allergenPhl p I from timothy grass (Phleum pratense); recombinantPhl p I inhibits IgE binding to group I allergens from eight different grass species. Journal of Allergy and Clinical Immunology, 1994, 94, 689-698.	2.9	119
15	Genetic engineering of a hypoallergenic trimer of the major birch pollen allergen, Bet v 1. FASEB Journal, 2001, 15, 2045-2047.	0.5	115
16	T Cell Epitope-Containing Hypoallergenic Recombinant Fragments of the Major Birch Pollen Allergen, Bet v 1, Induce Blocking Antibodies. Journal of Immunology, 2000, 165, 6653-6659.	0.8	110
17	Different IgE recognition of mite allergen components in asthmatic and nonasthmatic children. Journal of Allergy and Clinical Immunology, 2015, 136, 1083-1091.	2.9	108
18	Recombinant allergens. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 552-561.	5.7	105

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19	Calciumâ€dependent immunoglobulin E recognition of the apoâ€and calciumâ€bound form of a crossâ€reactive two EFâ€hand timothy grass pollen allergen, Phl p 7. FASEB Journal, 1999, 13, 843-856.	0.5	105
20	Identification of profilin as an actin-binding protein in higher plants.. Journal of Biological Chemistry, 1993, 268, 22777-22781.	3.4	102
21	cDNA cloning of a major allergen from timothy grass (Phleum pratense) pollen; characterization of the recombinant Phl pV allergen. Journal of Immunology, 1993, 151, 4773-81.	0.8	102
22	Immunologic characterization of purified recombinant timothy grass pollen (Phleum pratense) allergens (Phl p 1, Phl p 2, Phl p 5)1. Journal of Allergy and Clinical Immunology, 1996, 97, 781-787.	2.9	99
23	Analysis of the sensitization profile towards allergens in central Africa. Clinical and Experimental Allergy, 2003, 33, 22-27.	2.9	99
24	Release of allergen-bearing cytoplasm from hydrated pollen: A mechanism common to a variety of grass (Poaceae) species revealed by electron microscopy. Journal of Allergy and Clinical Immunology, 2001, 108, 109-115.	2.9	96
25	Clinical improvement and immunological changes in atopic dermatitis patients undergoing subcutaneous immunotherapy with a house dust mite allergoid: a pilot study. Clinical and Experimental Allergy, 2007, 37, 1277-1285.	2.9	94
26	Der p 11 Is a Major Allergen for House Dust Mite-Allergic Patients Suffering from Atopic Dermatitis. Journal of Investigative Dermatology, 2015, 135, 102-109.	0.7	93
27	Identification of profilin as an actin-binding protein in higher plants. Journal of Biological Chemistry, 1993, 268, 22777-81.	3.4	90
28	Skin test evaluation of genetically engineered hypoallergenic derivatives of the major birch pollen allergen, Bet v 1: Results obtained with a mix of two recombinant Bet v 1 fragments and recombinant Bet v 1 trimer in a Swedish population before the birch pollen seasonâ˜†â˜†â˜†.... Journal of Allergy and Clinical Immunology, 1999, 104, 969-977.	2.9	85
29	Molecular characterization of Der p 10: a diagnostic marker for broad sensitization in house dust mite allergy. Clinical and Experimental Allergy, 2011, 41, 1468-1477.	2.9	85
30	Characterization of Der p 21, a new important allergen derived from the gut of house dust mites*. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 758-767.	5.7	84
31	Hypoallergenic Der p 1/Der p 2 combination vaccines for immunotherapy of house dust mite allergy. Journal of Allergy and Clinical Immunology, 2012, 130, 435-443.e4.	2.9	84
32	Molecular Aspects of Allergens and Allergy. Advances in Immunology, 2018, 138, 195-256.	2.2	81
33	Molecular characterization ofPhl pII, a major timothy grass (Phleum pratense) pollen allergen. FEBS Letters, 1993, 335, 299-304.	2.8	80
34	International consensus (ICON) on: clinical consequences of mite hypersensitivity, a global problem. World Allergy Organization Journal, 2017, 10, 14.	3.5	80
35	cDNA Cloning and Expression of Timothy Grass (Phleum pratense) Pollen Profilin in Escherichia coli: Comparison with Birch Pollen Profilin. Biochemical and Biophysical Research Communications, 1994, 199, 106-118.	2.1	78
36	Comparison of genetically engineered hypoallergenic rBet v 1 derivatives with rBet v 1 wildâ€type by skin prick and intradermal testing: results obtained in a French population. Clinical and Experimental Allergy, 2000, 30, 1076-1084.	2.9	78

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37	A Human Monoclonal IgE Antibody Defines a Highly Allergenic Fragment of the Major Timothy Grass Pollen Allergen, Phl p 5: Molecular, Immunological, and Structural Characterization of the Epitope-Containing Domain. Journal of Immunology, 2000, 165, 3849-3859.	0.8	77
38	Isolation of an immunodominant IgE hapten from an epitope expression cDNA library. Dissection of the allergic effector reaction.. Journal of Biological Chemistry, 1994, 269, 28323-28328.	3.4	74
39	Immunization with purified natural and recombinant allergens induces mouse IgG1 antibodies that recognize similar epitopes as human IgE and inhibit the human IgE-allergen interaction and allergen-induced basophil degranulation. Journal of Immunology, 1998, 160, 6137-44.	0.8	74
40	Immunotherapy of Allergic Disease. Advances in Immunology, 2004, 82, 105-153.	2.2	71
41	Exposure to a farming environment has allergen-specific protective effects on TH2-dependent isotype switching in response to common inhalants. Journal of Allergy and Clinical Immunology, 2007, 119, 351-358.	2.9	71
42	Conversion of Der p 23, a New Major House Dust Mite Allergen, into a Hypoallergenic Vaccine. Journal of Immunology, 2014, 192, 4867-4875.	0.8	69
43	Expulsion of allergen-containing materials from hydrated rye grass (Lolium perenne) pollen revealed by using immunogold field emission scanning and transmission electron microscopy. Journal of Allergy and Clinical Immunology, 2000, 105, 1140-1145.	2.9	68
44	Cigarette smoke facilitates allergen penetration across respiratory epithelium. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 398-405.	5.7	68
45	Genetically Engineered and Synthetic Allergen Derivatives: Candidates for Vaccination against Type I Allergy. Biological Chemistry, 1999, 380, 815-24.	2.5	63
46	Isolation of an immunodominant IgE hapten from an epitope expression cDNA library. Dissection of the allergic effector reaction. Journal of Biological Chemistry, 1994, 269, 28323-8.	3.4	62
47	IgE-binding capacity of recombinant timothy grass (Phleum pratense) pollen allergens. Journal of Allergy and Clinical Immunology, 1994, 94, 88-94.	2.9	61
48	Molecular, immunological, and structural characterization of Phl p 6, a major allergen and P-particle-associated protein from Timothy grass (Phleum pratense) pollen. Journal of Immunology, 1999, 163, 5489-96.	0.8	58
49	Monitoring of two allergens, Bet v I and profilin, in dry and rehydrated birch pollen by immunogold electron microscopy and immunoblotting.. Journal of Histochemistry and Cytochemistry, 1993, 41, 745-750.	2.5	56
50	Molecular characterization of human IgG monoclonal antibodies specific for the major birch pollen allergen Bet v 1. Antiâ€allergen IgG can enhance the anaphylactic reaction. FEBS Letters, 2000, 465, 39-46.	2.8	56
51	Selection of house dust miteâ€“allergic patients by molecular diagnosis may enhance success of specific immunotherapy. Journal of Allergy and Clinical Immunology, 2019, 143, 1248-1252.e12.	2.9	56
52	Intranasal Treatment with a Recombinant Hypoallergenic Derivative of the Major Birch Pollen Allergen Bet v 1 Prevents Allergic Sensitization and Airway Inflammation in Mice. International Archives of Allergy and Immunology, 2001, 126, 68-77.	2.1	55
53	Absence of systemic immunologic changes during dose build-up phase and early maintenance period in effective specific sublingual immunotherapy in children. Clinical and Experimental Allergy, 2006, 36, 32-39.	2.9	55
54	Molecular profiling of allergen-specific antibody responses may enhance success of specific immunotherapy. Journal of Allergy and Clinical Immunology, 2020, 146, 1097-1108.	2.9	55

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55	Wheat allergy in children evaluated with challenge and IgE antibodies to wheat components. Pediatric Allergy and Immunology, 2015, 26, 119-125.	2.6	54
56	Reduction of the in vivo allergenicity of Der p 2, the major house-dust mite allergen, by genetic engineering. Molecular Immunology, 2008, 45, 2486-2498.	2.2	53
57	Molecular and immunologic characterization of a highly cross-reactive two EF-hand calcium-binding alder pollen allergen, Aln g 4: structural basis for calcium-modulated IgE recognition. Journal of Immunology, 1998, 161, 7031-9.	0.8	53
58	Specific IgE and IgG measured by the MeDALL allergen-chip depend on allergen and route of exposure: The EGEA study. Journal of Allergy and Clinical Immunology, 2017, 139, 643-654.e6.	2.9	52
59	Prevention of allergenâ€specific IgE production and suppression of an established Th2â€type response by immunization with DNA encoding hypoallergenic allergen derivatives of Betâ€„vâ€„1, the major birchâ€pollen allergen. European Journal of Immunology, 2003, 33, 1667-1676.	2.9	51
60	Dysregulated invertebrate tropomyosinâ€“dectin-1 interaction confers susceptibility to allergic diseases. Science Immunology, 2018, 3, .	11.9	51
61	Analysis of Epitope-Specific Immune Responses Induced by Vaccination with Structurally Folded and Unfolded Recombinant Bet v 1 Allergen Derivatives in Man. Journal of Immunology, 2007, 179, 5309-5316.	0.8	49
62	Molecular and Immunological Characterization of Tri a 36, a Low Molecular Weight Glutenin, as a Novel Major Wheat Food Allergen. Journal of Immunology, 2012, 189, 3018-3025.	0.8	49
63	House dust mites as potential carriers for IgE sensitization to bacterial antigens. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 115-124.	5.7	48
64	Dissociation of allergen-specific IgE and IgA responses in sera and tears of pollen-allergic patients: A study performed with purified recombinant pollen allergens. Journal of Allergy and Clinical Immunology, 2000, 105, 803-813.	2.9	47
65	Comparison of inflammatory responses to genetically engineered hypoallergenic derivatives of the major birch pollen allergen Bet v 1 and to recombinant Bet v 1 wild type in skin chamber fluids collected from birch pollenâ€allergic patients. Journal of Allergy and Clinical Immunology, 2000, 106, 101-109.	2.9	47
66	The majority of allergenâ€specific IgE in the blood of allergic patients does not originate from bloodâ€derived B cells or plasma cells. Clinical and Experimental Allergy, 2012, 42, 1347-1355.	2.9	47
67	Profilin, a Novel Plant Pan-Allergen. International Archives of Allergy and Immunology, 1992, 99, 271-273.	2.1	46
68	An immunoglobulin-like fold in a major plant allergen: the solution structure of Phl p 2 from timothy grass pollen. Structure, 1999, 7, 943-952.	3.3	46
69	Real-Life Study for the Diagnosis of House Dust Mite Allergy - The Value of Recombinant Allergen-Based IgE Serology. International Archives of Allergy and Immunology, 2016, 170, 132-137.	2.1	45
70	Allergenâ€induced interleukinâ€9 production in vitro: correlation with atopy in human adults and comparison with interleukinâ€5 and interleukinâ€13. Clinical and Experimental Allergy, 2006, 36, 174-182.	2.9	44
71	Recombinant house dust mite allergens. Methods, 2014, 66, 67-74.	3.8	44
72	Strategies for converting allergens into hypoallergenic vaccine candidates. Methods, 2004, 32, 313-320.	3.8	43

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73	Characterization of Folded Recombinant Der p 5, a Potential Diagnostic Marker Allergen for House Dust Mite Allergy. International Archives of Allergy and Immunology, 2008, 147, 101-109.	2.1	43
74	Comparison of purified Dermatophagoides pteronyssinus allergens and extract by twoâ€dimensional immunoblotting and quantitative immunoglobulin E inhibitions. Clinical and Experimental Allergy, 2005, 35, 1384-1391.	2.9	41
75	The role of Foxp3+ T cells in longâ€term efficacy of prophylactic and therapeutic mucosal tolerance induction in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2006, 61, 173-180.	5.7	41
76	Molecular characterization of wheat allergens specifically recognized by patients suffering from wheatâ€induced respiratory allergy. Clinical and Experimental Allergy, 2012, 42, 597-609.	2.9	41
77	Carbohydrateâ€based particles: a new adjuvant for allergenâ€specific immunotherapy. Immunology, 2002, 107, 523-529.	4.4	40
78	Hypoallergenic derivatives of the major birch pollen allergen Bet v 1 obtained by rational sequence reassembly. Journal of Allergy and Clinical Immunology, 2010, 126, 1024-1031.e8.	2.9	40
79	Carrierâ€bound nonallergenic <scp>D</scp>er p 2 peptides induce <scp>I</scp>g<scp>G</scp> antibodies blocking allergenâ€induced basophil activation in allergic patients. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 609-621.	5.7	39
80	Vaccines for birch pollen allergy based on genetically engineered hypoallergenic derivatives of the major birch pollen allergen, Bet v 1. Clinical and Experimental Allergy, 2004, 34, 115-122.	2.9	38
81	The quantity and quality of Î±-gal-specific antibodies differ in individuals with and without delayed red meat allergy. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 266-273.	5.7	38
82	The allergenic activity and clinical impact of individual IgE-antibody binding molecules from indoor allergen sources. World Allergy Organization Journal, 2020, 13, 100118.	3.5	38
83	Induction of IgE antibodies in mice and rhesus monkeys with recombinant birch pollen allergens: Different allergenicity of Bet v 1 and Bet v 2. Journal of Allergy and Clinical Immunology, 1996, 98, 913-921.	2.9	37
84	Nasal challenges with recombinant derivatives of the major birch pollen allergen Bet v 1 induce fewer symptoms and lower mediator release than rBet v 1 wildâ€type in patients with allergic rhinitis. Clinical and Experimental Allergy, 2002, 32, 1448-1453.	2.9	37
85	Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization. Journal of Allergy and Clinical Immunology, 2006, 118, 734-741.	2.9	37
86	Nonâ€“IgE-mediated chronic allergic skin inflammation revealed with rBet v 1 fragments. Journal of Allergy and Clinical Immunology, 2008, 121, 528-530.e1.	2.9	36
87	Underestimation of house dust miteâ€“specific IgE with extract-based ImmunoCAPs compared with molecular ImmunoCAPs. Journal of Allergy and Clinical Immunology, 2018, 142, 1656-1659.e9.	2.9	36
88	Î±-Purothionin, a new wheat allergen associated with severe allergy. Journal of Allergy and Clinical Immunology, 2013, 132, 1000-1003.e4.	2.9	34
89	Review article: From allergen genes to new forms of allergy diagnosis and treatment. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 299-309.	5.7	33
90	Altered IgE epitope presentation: A model for hypoallergenic activity revealed for Bet v 1 trimer. Molecular Immunology, 2011, 48, 431-441.	2.2	33

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91	Genetic Engineering of Recombinant Hypoallergenic Oligomers of the Major Birch Pollen Allergen, Bet v 1: Candidates for Specific Immunotherapy. International Archives of Allergy and Immunology, 1999, 118, 218-219.	2.1	32
92	Prophylactic and therapeutic vaccination with carrierâ€bound Bet v 1 peptides lacking allergenâ€specific T cell epitopes reduces Bet v 1â€specific T cell responses via blocking antibodies in a murine model for birch pollen allergy. Clinical and Experimental Allergy, 2014, 44, 278-287.	2.9	32
93	A hypoallergenic peptide mix containing T cell epitopes of the clinically relevant house dust mite allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2461-2478.	5.7	32
94	Comparison of house dust miteÂsensitization profiles in allergic adults from Canada, Europe, South Africa and USA. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2177-2188.	5.7	31
95	Mimotopes identify conformational B-cell epitopes on the two major house dust mite allergens Der p 1 and Der p 2. Molecular Immunology, 2008, 45, 1308-1317.	2.2	30
96	Molecular, Structural and Immunological Characterization of Der p 18, a Chitinase-Like House Dust Mite Allergen. PLoS ONE, 2016, 11, e0160641.	2.5	30
97	A hypoallergenic hybrid molecule with increased immunogenicity consisting of derivatives of the major grass pollen allergens, Phl p 2 and Phl p 6. Biological Chemistry, 2008, 389, 925-33.	2.5	29
98	Genetic engineering of trimers of hypoallergenic fragments of the major birch pollen allergen, Bet v 1, for allergy vaccination. Vaccine, 2011, 29, 2140-2148.	3.8	29
99	The Immunoglobulin Eâ€“Allergen Interaction: A Target for Therapy of Type IAllergic Diseases. International Archives of Allergy and Immunology, 1998, 116, 167-176.	2.1	28
100	Mites and other indoor allergens â€” from exposure to sensitization and treatment. Allergo Journal International, 2015, 24, 68-80.	2.0	28
101	Genetic Engineering of the Major Timothy Grass Pollen Allergen, Phl p 6, to Reduce Allergenic Activity and Preserve Immunogenicity. Journal of Immunology, 2007, 179, 1730-1739.	0.8	27
102	Analysis of the Antibody Responses Induced by Subcutaneous Injection Immunotherapy with Birch and Fagales Pollen Extracts Adsorbed onto Aluminum Hydroxide. International Archives of Allergy and Immunology, 2010, 151, 17-27.	2.1	26
103	Allergen cleavage by effector cellâ€derived proteases regulates allergic inflammation. FASEB Journal, 2006, 20, 967-969.	0.5	25
104	Clinical and immunological differences between asymptomatic <scp>HDM</scp>â€sensitized and <scp>HDM</scp>â€allergic rhinitis patients. Clinical and Experimental Allergy, 2019, 49, 808-818.	2.9	24
105	Biochemical, Biophysical and IgE-Epitope Characterization of the Wheat Food Allergen, Tri a 37. PLoS ONE, 2014, 9, e111483.	2.5	24
106	Recombinant Allergens Promote Expression of Aminopeptidase-N (CD13) on Basophils in Allergic Patients. International Journal of Immunopathology and Pharmacology, 2008, 21, 11-21.	2.1	23
107	The high molecular weight glutenin subunit Bx7 allergen from wheat contains repetitive IgE epitopes. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 1316-1323.	5.7	23
108	Similar localization of conformational IgE epitopes on the house dust mite allergens Der p 5 and Der p 21 despite limited IgE crossâ€reactivity. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1653-1661.	5.7	23

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109	Humoral Immune Responses to Recombinant Tree Pollen Allergens (Bet v I and Bet v) Tj ETQq1 1 0.784314 rgBT /Ov and Immunology, 1995, 107, 290-294.	2.1	22
110	The Importance of Recombinant Allergens for Diagnosis and Therapy of IgEâ€“Mediated Allergies. International Archives of Allergy and Immunology, 1999, 118, 171-176.	2.1	22
111	Mucosal Tolerance Induction with Hypoallergenic Molecules in a Murine Model of Allergic Asthma. International Archives of Allergy and Immunology, 2001, 124, 391-394.	2.1	22
112	Glutathione-S-Transferase: A Minor Allergen in Birch Pollen due to Limited Release from Hydrated Pollen. PLoS ONE, 2014, 9, e109075.	2.5	22
113	Development of an in vitro system for the study of allergens and allergen-specific immunoglobulin E and immunoglobulin G: Fce receptor I supercross-linking is a possible new mechanism of immunoglobulin G-dependent enhancement of type I allergic reactions. Clinical and Experimental Allergy, 2005, 35, 774-781.	2.9	21
114	Specific IgE reactivity to Tri a 36 in children with wheat food allergy. Journal of Allergy and Clinical Immunology, 2014, 133, 585-587.	2.9	21
115	Prevention of allergic asthma through Der p 2 peptide vaccination. Journal of Allergy and Clinical Immunology, 2015, 136, 197-200.e1.	2.9	21
116	Reliable mite-specific IgE testing in nasal secretions by means of allergen microarray. Journal of Allergy and Clinical Immunology, 2017, 140, 301-303.e8.	2.9	21
117	High-Level Expression inEscherichia coliand Purification of Recombinant Plant Profilins: Comparison of IgE-Binding Capacity and Allergenic Activity. Biochemical and Biophysical Research Communications, 1996, 226, 42-50.	2.1	20
118	Nasal application of rBet v 1 or nonâ€“IgE-reactive T-cell epitopeâ€“containing rBet v 1 fragments has different effects on systemic allergen-specific antibody responses. Journal of Allergy and Clinical Immunology, 2010, 126, 1312-1315.e4.	2.9	20
119	Recombinant allergen and peptide-based approaches for allergy prevention by oral tolerance. Seminars in Immunology, 2017, 30, 67-80.	5.6	20
120	Division of the Major Birch Pollen Allergen, Bet v 1, into Two Non-Anaphylactic Fragments. International Archives of Allergy and Immunology, 1997, 113, 246-248.	2.1	19
121	A major IgE epitope-containing grass pollen allergen domain from Phl p 5 folds as a four-helix bundle. Protein Engineering, Design and Selection, 2002, 15, 635-642.	2.1	19
122	Betamethasone prevents human rhinovirus- and cigarette smoke- induced loss of respiratory epithelial barrier function. Scientific Reports, 2018, 8, 9688.	3.3	19
123	IgE recognition of the house dust mite allergen Der p 37 is associated with asthma. Journal of Allergy and Clinical Immunology, 2022, 149, 1031-1043.	2.9	19
124	Microarray-Based Allergy Diagnosis: Quo Vadis?. Frontiers in Immunology, 2020, 11, 594978.	4.8	17
125	Isolation of a highâ€affinity Bet v 1â€specific IgGâ€derived ScFv from a subject vaccinated with hypoallergenic Bet v 1 fragments. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1425-1435.	5.7	15
126	Expression in Escherichia coli and Purification of Folded rDer p 20, the Arginine Kinase From Dermatophagoides pteronyssinus: A Possible Biomarker for Allergic Asthma. Allergy, Asthma and Immunology Research, 2021, 13, 154.	2.9	14

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127	Clinical validation of a house dust mite environmental challenge chamber model. Journal of Allergy and Clinical Immunology, 2017, 140, 266-268.e5.	2.9	13
128	IgE Epitopes of the House Dust Mite Allergen Der p 7 Are Mainly Discontinuous and Conformational. Frontiers in Immunology, 2021, 12, 687294.	4.8	13
129	Molecular reactivity profiling upon immunotherapy with a 300 IR sublingual house dust mite tablet reveals marked humoral changes towards major allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3084-3095.	5.7	13
130	Allergen Content and in vivo Allergenic Activity of House Dust Mite Extracts. International Archives of Allergy and Immunology, 2013, 161, 287-288.	2.1	12
131	Novel vaccines for allergen-specific immunotherapy. Current Opinion in Allergy and Clinical Immunology, 2021, 21, 86-99.	2.3	12
132	Tropomyosins in mosquito and house dust mite crossâ€react at the humoral and cellular level. Clinical and Experimental Allergy, 2018, 48, 1354-1363.	2.9	11
133	Allergen-specific IgE levels and the ability of IgE-allergen complexes to cross-link determine the extent of CD23-mediated T-cell activation. Journal of Allergy and Clinical Immunology, 2020, 145, 958-967.e5.	2.9	11
134	The Molecular Allergen Recognition Profile in China as Basis for Allergen-Specific Immunotherapy. Frontiers in Immunology, 2021, 12, 719573.	4.8	11
135	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
136	Variation in IgE binding potencies of seven Artemisia species depending on content of major allergens. Clinical and Translational Allergy, 2020, 10, 50.	3.2	10
137	Clinical Evaluation of Genetically Engineered Hypoallergenic rBet v 1 Derivatives. International Archives of Allergy and Immunology, 1999, 118, 216-217.	2.1	9
138	Der p 23â€specific <scp>IgE</scp> response throughout childhood and its association with allergic disease: A birth cohort study. Pediatric Allergy and Immunology, 2022, 33, .	2.6	9
139	Identification by serological proteome analysis of paramyosin as prominent allergen in dust mite allergy. Journal of Proteomics, 2017, 166, 19-26.	2.4	8
140	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
141	Recombinant Allergens. Advances in Experimental Medicine and Biology, 1996, , 185-196.	1.6	8
142	Preventive Administration of Non-Allergenic Bet v 1 Peptides Reduces Allergic Sensitization to Major Birch Pollen Allergen, Bet v 1. Frontiers in Immunology, 2021, 12, 744544.	4.8	8
143	An assay that may predict the development of <scp>I</scp>g<scp>G</scp> enhancing allergenâ€specific <scp>I</scp>g<scp>E</scp> binding during birch immunotherapy. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 1199-1202.	5.7	6
144	Innate function of house dust mite allergens: robust enzymatic degradation of extracellular matrix at elevated pH. World Allergy Organization Journal, 2017, 10, 23.	3.5	5

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145	Bekannte Allergene der Hausstaubmilbe: Struktur, Funktion und Relevanz. Allergologie, 2015, 38, 55-63.	0.1	3
146	pET-prof, a plasmid for high-level expression of recombinant peptides fused to a birch profilin-derived hexadecapeptide tag: A system for the detection and presentation of recombinant antigens. Gene, 1999, 237, 333-342.	2.2	2
147	Profilin: A Novel Pan-Allergen and Actin-Binding Protein in Plants. , 1996, , 269-278.		2
148	Dasatinib (BMS354825) Inhibits IgE-Dependent Activation and Histamine Release in Human Blood Basophils.. Blood, 2006, 108, 1365-1365.	1.4	1
149	Recombinant Allergens: Basic Aspects and New Therapeutic Concepts. , 1995, , 167-182.		1
150	Response to GonzÃ¡lez-PÃ©rez et al. Journal of Investigative Dermatology, 2022, 142, 723-726.	0.7	1
151	Induction of Blocking Antibodies with T Cell Epitope-Containing Hypoallergenic Recombinant Bet v 1 Fragments. International Archives of Allergy and Immunology, 2001, 124, 107-108.	2.1	0
152	A Highly Allergenic Fragment of the Major Timothy Grass Pollen Allergen, Phl p 5, Defined by a Human Monoclonal IgE Antibody. International Archives of Allergy and Immunology, 2001, 124, 80-84.	2.1	0
153	Allergens, Diagnostics, and Therapeutic Aspects in House Dust Mite Allergy. , 2017, , 415-428.		0
154	Allergene der Hausstaubmilbe und Diagnostik der Hausstaubmilbenallergie. , 2015, , 303-313.		0