

Rudolf Valenta

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529
papers

28,753
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90
h-index

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551
ext. papers

31,892
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#	Paper	IF	Citations
529	Immune responses in healthy and allergic individuals are characterized by a fine balance between allergen-specific T regulatory 1 and T helper 2 cells. <i>Journal of Experimental Medicine</i> , 2004 , 199, 1567-75	16.6	852
528	Immunological mechanisms of allergen-specific immunotherapy. <i>Nature Reviews Immunology</i> , 2006 , 6, 761-71	36.5	589
527	Identification of profilin as a novel pollen allergen; IgE autoreactivity in sensitized individuals. <i>Science</i> , 1991 , 253, 557-60	33.3	556
526	Profilins constitute a novel family of functional plant pan-allergens. <i>Journal of Experimental Medicine</i> , 1992 , 175, 377-85	16.6	532
525	The gene coding for the major birch pollen allergen Betv1, is highly homologous to a pea disease resistance response gene.. <i>EMBO Journal</i> , 1989 , 8, 1935-1938	13	468
524	EAACI Molecular Allergology User@ Guide. <i>Pediatric Allergy and Immunology</i> , 2016 , 27 Suppl 23, 1-250	4.2	441
523	The recombinant allergen-based concept of component-resolved diagnostics and immunotherapy (CRD and CRIT). <i>Clinical and Experimental Allergy</i> , 1999 , 29, 896-904	4.1	391
522	Microarrayed allergen molecules: diagnostic gatekeepers for allergy treatment. <i>FASEB Journal</i> , 2002 , 16, 414-6	0.9	372
521	Practical guide to skin prick tests in allergy to aeroallergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 18-24	9.3	347
520	Identification of allergens in fruits and vegetables: IgE cross-reactivities with the important birch pollen allergens Bet v 1 and Bet v 2 (birch profilin). <i>Journal of Allergy and Clinical Immunology</i> , 1995 , 95, 962-9	11.5	328
519	Vaccination with genetically engineered allergens prevents progression of allergic disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101 Suppl 2, 14677-82	11.5	308
518	The future of antigen-specific immunotherapy of allergy. <i>Nature Reviews Immunology</i> , 2002 , 2, 446-53	36.5	258
517	Efficacy of recombinant birch pollen vaccine for the treatment of birch-allergic rhinoconjunctivitis. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 122, 951-60	11.5	246
516	Common epitopes of birch pollen and apples--studies by western and northern blot. <i>Journal of Allergy and Clinical Immunology</i> , 1991 , 88, 588-94	11.5	234
515	Allergen-specific immunotherapy with a monophosphoryl lipid A-adjuvanted vaccine: reduced seasonally boosted immunoglobulin E production and inhibition of basophil histamine release by therapy-induced blocking antibodies. <i>Clinical and Experimental Allergy</i> , 2003 , 33, 1198-208	4.1	213
514	Release of allergens as respirable aerosols: A link between grass pollen and asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2002 , 109, 51-6	11.5	208
513	The molecular basis for allergen cross-reactivity: crystal structure and IgE-epitope mapping of birch pollen profilin. <i>Structure</i> , 1997 , 5, 33-45	5.2	206

512	Biomarkers for monitoring clinical efficacy of allergen immunotherapy for allergic rhinoconjunctivitis and allergic asthma: an EAACI Position Paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 1156-1173	9.3	198
511	Recombinant carp parvalbumin, the major cross-reactive fish allergen: a tool for diagnosis and therapy of fish allergy. <i>Journal of Immunology</i> , 2002 , 168, 4576-84	5.3	197
510	Allergen immunotherapy: therapeutic vaccines for allergic diseases. World Health Organization. American academy of Allergy, Asthma and Immunology. <i>Annals of Allergy, Asthma and Immunology</i> , 1998 , 81, 401-5	3.2	188
509	From allergen genes to allergy vaccines. <i>Annual Review of Immunology</i> , 2010 , 28, 211-41	34.7	175
508	Recombinant birch pollen allergens (rBet v 1 and rBet v 2) contain most of the IgE epitopes present in birch, alder, hornbeam, hazel, and oak pollen: a quantitative IgE inhibition study with sera from different populations. <i>Journal of Allergy and Clinical Immunology</i> , 1998 , 102, 579-91	11.5	174
507	Advances in allergen-microarray technology for diagnosis and monitoring of allergy: the MeDALL allergen-chip. <i>Methods</i> , 2014 , 66, 106-19	4.6	165
506	Skin testing with recombinant allergens rBet v 1 and birch profilin, rBet v 2: diagnostic value for birch pollen and associated allergies. <i>Journal of Allergy and Clinical Immunology</i> , 1996 , 97, 1100-9	11.5	163
505	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. <i>Journal of Clinical Investigation</i> , 1997 , 99, 1673-81	15.9	161
504	Molecular and immunological characterization of arginine kinase from the Indianmeal moth, <i>Plodia interpunctella</i> , a novel cross-reactive invertebrate pan-allergen. <i>Journal of Immunology</i> , 2001 , 167, 5470-5	5.3	154
503	The profilin multigene family of maize: differential expression of three isoforms. <i>Plant Journal</i> , 1993 , 4, 631-41	6.9	154
502	Recombinant allergens for immunotherapy. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 119, 826-30	11.5	151
501	Type 1 allergic reactions to plant-derived food: a consequence of primary sensitization to pollen allergens. <i>Journal of Allergy and Clinical Immunology</i> , 1996 , 97, 893-5	11.5	147
500	IgE antibodies to recombinant pollen allergens (Phl p 1, Phl p 2, Phl p 5, and Bet v 2) account for a high percentage of grass pollen-specific IgE. <i>Journal of Allergy and Clinical Immunology</i> , 1998 , 101, 258-64	11.5	146
499	Evolution and predictive value of IgE responses toward a comprehensive panel of house dust mite allergens during the first 2 decades of life. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 541-549	11.5	143
498	Food allergies: the basics. <i>Gastroenterology</i> , 2015 , 148, 1120-31.e4	13.3	141
497	Recombinant allergens for immunoblot diagnosis of tree-pollen allergy. <i>Journal of Allergy and Clinical Immunology</i> , 1991 , 88, 889-94	11.5	141
496	B cell-derived exosomes can present allergen peptides and activate allergen-specific T cells to proliferate and produce TH2-like cytokines. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 120, 1418-24	11.5	139
495	A recombinant hypoallergenic parvalbumin mutant for immunotherapy of IgE-mediated fish allergy. <i>Journal of Immunology</i> , 2007 , 178, 6290-6	5.3	139

494	Recombinant allergens promote expression of CD203c on basophils in sensitized individuals. <i>Journal of Allergy and Clinical Immunology</i> , 2002 , 110, 102-9	11.5	138
493	Component-resolved diagnosis of house-dust mite allergy with purified natural and recombinant mite allergens. <i>Clinical and Experimental Allergy</i> , 2004 , 34, 597-603	4.1	137
492	The gene coding for the major birch pollen allergen Betv1, is highly homologous to a pea disease resistance response gene. <i>EMBO Journal</i> , 1989 , 8, 1935-8	13	136
491	Different IgE reactivity profiles in birch pollen-sensitive patients from six European populations revealed by recombinant allergens: an imprint of local sensitization. <i>International Archives of Allergy and Immunology</i> , 2002 , 128, 325-35	3.7	135
490	Quantitative IgE inhibition experiments with purified recombinant allergens indicate pollen-derived allergens as the sensitizing agents responsible for many forms of plant food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2000 , 105, 116-25	11.5	135
489	Recombinant marker allergens: diagnostic gatekeepers for the treatment of allergy. <i>International Archives of Allergy and Immunology</i> , 2002 , 127, 259-68	3.7	134
488	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. <i>Journal of Immunology</i> , 2013 , 190, 3059-67	5.3	130
487	Purification, biochemical, and immunological characterisation of a major food allergen: different immunoglobulin E recognition of the apo- and calcium-bound forms of carp parvalbumin. <i>Gut</i> , 2000 , 46, 661-9	19.2	129
486	Inhibition of plant plasma membrane phosphoinositide phospholipase C by the actin-binding protein, profilin. <i>Plant Journal</i> , 1994 , 6, 389-400	6.9	129
485	Cow@ milk allergy: from allergens to new forms of diagnosis, therapy and prevention. <i>Methods</i> , 2014 , 66, 22-33	4.6	128
484	Variability of IgE reactivity profiles among European mite allergic patients. <i>European Journal of Clinical Investigation</i> , 2008 , 38, 959-65	4.6	128
483	Allergen-specific nasal IgG antibodies induced by vaccination with genetically modified allergens are associated with reduced nasal allergen sensitivity. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 347-54	11.5	128
482	Renaissance of the blocking antibody concept in type I allergy. <i>International Archives of Allergy and Immunology</i> , 2003 , 132, 13-24	3.7	127
481	Induction of antibody responses to new B cell epitopes indicates vaccination character of allergen immunotherapy. <i>European Journal of Immunology</i> , 1999 , 29, 2026-36	6.1	126
480	Properties of tree and grass pollen allergens: reinvestigation of the linkage between solubility and allergenicity. <i>International Archives of Allergy and Immunology</i> , 1993 , 102, 160-9	3.7	125
479	MACVIA-ARIA Sentinel Network for allergic rhinitis (MASK-rhinitis): the new generation guideline implementation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1372-92	9.3	123
478	Varying allergen composition and content affects the in vivo allergenic activity of commercial Dermatophagoides pteronyssinus extracts. <i>International Archives of Allergy and Immunology</i> , 2012 , 159, 253-62	3.7	122
477	Clinical effects of immunotherapy with genetically modified recombinant birch pollen Bet v 1 derivatives. <i>Clinical and Experimental Allergy</i> , 2008 , 38, 1514-25	4.1	121

476	Autoallergy: a pathogenetic factor in atopic dermatitis?. <i>Journal of Allergy and Clinical Immunology</i> , 2000 , 105, 432-7	11.5	120
475	Diagnosis of grass pollen allergy with recombinant timothy grass (<i>Phleum pratense</i>) pollen allergens. <i>International Archives of Allergy and Immunology</i> , 1992 , 97, 287-94	3.7	120
474	Vaccine development for allergen-specific immunotherapy based on recombinant allergens and synthetic allergen peptides: Lessons from the past and novel mechanisms of action for the future. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 351-7	11.5	117
473	Mold allergens in respiratory allergy: from structure to therapy. <i>Allergy, Asthma and Immunology Research</i> , 2015 , 7, 205-20	5.3	117
472	From allergen structure to new forms of allergen-specific immunotherapy. <i>Current Opinion in Immunology</i> , 2002 , 14, 718-27	7.8	117
471	MeDALL (Mechanisms of the Development of ALLergy): an integrated approach from phenotypes to systems medicine. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 596-604	9.3	115
470	IgE cross-reactivities against albumins in patients allergic to animals. <i>Journal of Allergy and Clinical Immunology</i> , 1995 , 96, 951-9	11.5	114
469	Integrated care pathways for airway diseases (AIRWAYS-ICPs). <i>European Respiratory Journal</i> , 2014 , 44, 304-23	13.6	112
468	Complementary DNA cloning of the major allergen Phl p I from timothy grass (<i>Phleum pratense</i>); recombinant Phl p I inhibits IgE binding to group I allergens from eight different grass species. <i>Journal of Allergy and Clinical Immunology</i> , 1994 , 94, 689-98	11.5	112
467	Nonanaphylactic synthetic peptides derived from B cell epitopes of the major grass pollen allergen, Phl p 1, for allergy vaccination. <i>FASEB Journal</i> , 2001 , 15, 2042-4	0.9	111
466	Microarrayed recombinant allergens for diagnosis of allergy. <i>Clinical and Experimental Allergy</i> , 2003 , 33, 7-13	4.1	110
465	Genetic engineering of a hypoallergenic trimer of the major birch pollen allergen Bet v 1. <i>FASEB Journal</i> , 2001 , 15, 2045-7	0.9	109
464	Identification of multiple T cell epitopes on Bet v I, the major birch pollen allergen, using specific T cell clones and overlapping peptides. <i>Journal of Immunology</i> , 1993 , 150, 1047-54	5.3	109
463	Isolation of cDNA clones coding for IgE autoantigens with serum IgE from atopic dermatitis patients. <i>FASEB Journal</i> , 1998 , 12, 1559-69	0.9	108
462	Sensitization to cat and dog allergen molecules in childhood and prediction of symptoms of cat and dog allergy in adolescence: A BAMSE/MeDALL study. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 813-21.e7	11.5	105
461	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-beta1 and IL-10-producing properties. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 100-107	11.5	105
460	Recombinant allergens for allergen-specific immunotherapy: 10 years anniversary of immunotherapy with recombinant allergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 775-83	9.3	104
459	Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 388-399	11.5	103

458	T cell epitope-containing hypoallergenic recombinant fragments of the major birch pollen allergen, Bet v 1, induce blocking antibodies. <i>Journal of Immunology</i> , 2000 , 165, 6653-9	5.3	101
457	Immunoglobulin E response to human proteins in atopic patients. <i>Journal of Investigative Dermatology</i> , 1996 , 107, 203-8	4.3	101
456	IgE allergy diagnostics and other relevant tests in allergy, a World Allergy Organization position paper. <i>World Allergy Organization Journal</i> , 2020 , 13, 100080	5.2	100
455	Early childhood IgE reactivity to pathogenesis-related class 10 proteins predicts allergic rhinitis in adolescence. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 1199-206.e1-11	11.5	98
454	Recombinant allergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 1998 , 53, 552-61	9.3	98
453	Molecular characterization of an autoallergen, Hom s 1, identified by serum IgE from atopic dermatitis patients. <i>Journal of Investigative Dermatology</i> , 1998 , 111, 1178-83	4.3	98
452	Factors responsible for differences between asymptomatic subjects and patients presenting an IgE sensitization to allergens. A GA2LEN project. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006 , 61, 671-80	9.3	97
451	Immunologic characterization of purified recombinant timothy grass pollen (Phleum pratense) allergens (Phl p 1, Phl p2, Phl p 5). <i>Journal of Allergy and Clinical Immunology</i> , 1996 , 97, 781-7	11.5	97
450	Calcium-binding allergens: from plants to man. <i>International Archives of Allergy and Immunology</i> , 1998 , 117, 160-6	3.7	96
449	Recombinant allergen-based IgE testing to distinguish bee and wasp allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 1300-1307.e3	11.5	95
448	MACVIA clinical decision algorithm in adolescents and adults with allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 367-374.e2	11.5	95
447	Calcium-dependent immunoglobulin E recognition of the apo- and calcium-bound form of a cross-reactive two EF-hand timothy grass pollen allergen, Phl p 7. <i>FASEB Journal</i> , 1999 , 13, 843-56	0.9	94
446	Heterogeneity of commercial timothy grass pollen extracts. <i>Clinical and Experimental Allergy</i> , 2008 , 38, 1400-8	4.1	93
445	Developments in allergen-specific immunotherapy: from allergen extracts to allergy vaccines bypassing allergen-specific immunoglobulin E and T cell reactivity. <i>Clinical and Experimental Allergy</i> , 2010 , 40, 385-97	4.1	92
444	High-affinity IgE recognition of a conformational epitope of the major respiratory allergen Phl p 2 as revealed by X-ray crystallography. <i>Journal of Immunology</i> , 2009 , 182, 2141-51	5.3	92
443	Development and characterization of a recombinant, hypoallergenic, peptide-based vaccine for grass pollen allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 1207-7.e1-11	11.5	91
442	Mechanisms, safety and efficacy of a B cell epitope-based vaccine for immunotherapy of grass pollen allergy. <i>EBioMedicine</i> , 2016 , 11, 43-57	8.8	91
441	Micro-arrayed wheat seed and grass pollen allergens for component-resolved diagnosis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2009 , 64, 1030-7	9.3	91

440	Molecular characterization of dog albumin as a cross-reactive allergen. <i>Journal of Allergy and Clinical Immunology</i> , 1994 , 93, 614-27	11.5	91
439	Homology of the major birch-pollen allergen, Bet v I, with the major pollen allergens of alder, hazel, and hornbeam at the nucleic acid level as determined by cross-hybridization. <i>Journal of Allergy and Clinical Immunology</i> , 1991 , 87, 677-82	11.5	90
438	Analysis of the sensitization profile towards allergens in central Africa. <i>Clinical and Experimental Allergy</i> , 2003 , 33, 22-7	4.1	87
437	Release of allergen-bearing cytoplasm from hydrated pollen: a mechanism common to a variety of grass (Poaceae) species revealed by electron microscopy. <i>Journal of Allergy and Clinical Immunology</i> , 2001 , 108, 109-15	11.5	87
436	Skin test results but not serology reflect immediate type respiratory sensitivity: a study performed with recombinant allergen molecules. <i>Journal of Investigative Dermatology</i> , 2001 , 117, 848-51	4.3	86
435	Complementary DNA cloning and expression in <i>Escherichia coli</i> of Aln g I, the major allergen in pollen of alder (<i>Alnus glutinosa</i>). <i>Journal of Allergy and Clinical Immunology</i> , 1992 , 90, 909-17	11.5	86
434	Linking allergy to autoimmune disease. <i>Trends in Immunology</i> , 2009 , 30, 109-16	14.4	84
433	Allergen-specific immunotherapy: from therapeutic vaccines to prophylactic approaches. <i>Journal of Internal Medicine</i> , 2012 , 272, 144-57	10.8	83
432	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 season. <i>Journal of Allergy and Clinical Immunology</i> , 1999 , 104, 969-77	11.5	83
431	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, 137-46	4.6	83
430	Characterization of a birch pollen allergen, Bet v III, representing a novel class of Ca ²⁺ binding proteins: specific expression in mature pollen and dependence of patients QgE binding on protein-bound Ca ²⁺ .. <i>EMBO Journal</i> , 1994 , 13, 3481-3486	13	83
429	Identification of profilin as an actin-binding protein in higher plants. <i>Journal of Biological Chemistry</i> , 1993 , 268, 22777-81	5.4	83
428	Comparison of recombinant timothy grass pollen allergens with natural extract for diagnosis of grass pollen allergy in different populations. <i>Journal of Allergy and Clinical Immunology</i> , 1996 , 98, 652-8	11.5	80
427	ImmunoCAP assays: Pros and cons in allergology. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 974-977	11.5	79
426	Different IgE recognition of mite allergen components in asthmatic and nonasthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 1083-91	11.5	79
425	A hypoallergenic cat vaccine based on Fel d 1-derived peptides fused to hepatitis B PreS. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1562-70.e6	11.5	79
424	Identification of profilin as an actin-binding protein in higher plants.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 22777-22781	5.4	78
423	Molecular characterization of Der p 10: a diagnostic marker for broad sensitization in house dust mite allergy. <i>Clinical and Experimental Allergy</i> , 2011 , 41, 1468-77	4.1	77

422	Molecular, structural, and immunologic relationships between different families of recombinant calcium-binding pollen allergens. <i>Journal of Allergy and Clinical Immunology</i> , 2002 , 109, 314-20	11.5	75
421	Cytokine and antibody responses in birch-pollen-allergic patients treated with genetically modified derivatives of the major birch pollen allergen Bet v 1. <i>International Archives of Allergy and Immunology</i> , 2005 , 138, 59-66	3.7	74
420	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. <i>Journal of Immunology</i> , 1998 , 160, 6137-44	5.3	74
419	A combination vaccine for allergy and rhinovirus infections based on rhinovirus-derived surface protein VP1 and a nonallergenic peptide of the major timothy grass pollen allergen Phl p 1. <i>Journal of Immunology</i> , 2009 , 182, 6298-306	5.3	73
418	A hybrid molecule resembling the epitope spectrum of grass pollen for allergy vaccination. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 1010-6	11.5	72
417	Recombinant allergen molecules: tools to study effector cell activation. <i>Immunological Reviews</i> , 2001 , 179, 119-27	11.3	72
416	Human IgG monoclonal antibodies that modulate the binding of specific IgE to birch pollen Bet v 1. <i>Journal of Immunology</i> , 1996 , 157, 956-62	5.3	72
415	Development of a hypoallergenic recombinant parvalbumin for first-in-man subcutaneous immunotherapy of fish allergy. <i>International Archives of Allergy and Immunology</i> , 2015 , 166, 41-51	3.7	71
414	Severe chronic allergic (and related) diseases: a uniform approach--a MeDALL--GA2LEN--ARIA position paper. <i>International Archives of Allergy and Immunology</i> , 2012 , 158, 216-31	3.7	71
413	Der p 11 is a major allergen for house dust mite-allergic patients suffering from atopic dermatitis. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 102-109	4.3	70
412	Non-anaphylactic surface-exposed peptides of the major birch pollen allergen, Bet v 1, for preventive vaccination. <i>Clinical and Experimental Allergy</i> , 2004 , 34, 1525-33	4.1	70
411	The cross-reactive calcium-binding pollen allergen, Phl p 7, reveals a novel dimer assembly. <i>EMBO Journal</i> , 2002 , 21, 5007-16	13	70
410	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. <i>Journal of Immunology</i> , 2000 , 165, 3849-59	5.3	70
409	cDNA cloning and expression of timothy grass (<i>Phleum pratense</i>) pollen profilin in <i>Escherichia coli</i> : comparison with birch pollen profilin. <i>Biochemical and Biophysical Research Communications</i> , 1994 , 199, 106-18	3.4	70
408	Recombinant allergens: what does the future hold?. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 860-4	11.5	69
407	The effects of dasatinib on IgE receptor-dependent activation and histamine release in human basophils. <i>Blood</i> , 2008 , 111, 3097-107	2.2	69
406	Mutants of the major ryegrass pollen allergen, Lol p 5, with reduced IgE-binding capacity: candidates for grass pollen-specific immunotherapy. <i>European Journal of Immunology</i> , 2002 , 32, 270-80	6.1	69
405	Skin prick test extracts for dog allergy diagnosis show considerable variations regarding the content of major and minor dog allergens. <i>International Archives of Allergy and Immunology</i> , 2011 , 154, 258-63	3.7	68

404	Antigens drive memory IgE responses in human allergy via the nasal mucosa. <i>International Archives of Allergy and Immunology</i> , 2007 , 142, 133-44	3.7	68
403	B cell epitopes of the major timothy grass pollen allergen, phl p 1, revealed by gene fragmentation as candidates for immunotherapy. <i>FASEB Journal</i> , 1999 , 13, 1277-90	0.9	68
402	Induction of specific histamine release from basophils with purified natural and recombinant birch pollen allergens. <i>Journal of Allergy and Clinical Immunology</i> , 1993 , 91, 88-97	11.5	68
401	Molecular characterization, expression in <i>Escherichia coli</i> , and epitope analysis of a two EF-hand calcium-binding birch pollen allergen, Bet v 4. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 197-204	3.4	67
400	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, 742-52	6.5	67
399	Transition from a botanical to a molecular classification in tree pollen allergy: implications for diagnosis and therapy. <i>International Archives of Allergy and Immunology</i> , 2004 , 135, 357-73	3.7	67
398	Abortive pollen germination: a mechanism of allergen release in birch, alder, and hazel revealed by immunogold electron microscopy. <i>Journal of Allergy and Clinical Immunology</i> , 2003 , 111, 1017-23	11.5	67
397	Construction of a combinatorial IgE library from an allergic patient. Isolation and characterization of human IgE Fabs with specificity for the major timothy grass pollen allergen, Phl p 5. <i>Journal of Biological Chemistry</i> , 1996 , 271, 10967-72	5.4	67
396	Are allergic multimorbidities and IgE polysensitization associated with the persistence or re-occurrence of foetal type 2 signalling? The MeDALL hypothesis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1062-78	9.3	66
395	Mapping of conformational IgE epitopes with peptide-specific monoclonal antibodies reveals simultaneous binding of different IgE antibodies to a surface patch on the major birch pollen allergen, Bet v 1. <i>Journal of Immunology</i> , 2011 , 186, 5333-44	5.3	66
394	Serum IgE autoantibodies target keratinocytes in patients with atopic dermatitis. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 2232-9	4.3	66
393	Characterization of Der p 21, a new important allergen derived from the gut of house dust mites. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008 , 63, 758-67	9.3	66
392	The cradle of IgE autoreactivity in atopic eczema lies in early infancy. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 706-9	11.5	66
391	Molecular design of allergy vaccines. <i>Current Opinion in Immunology</i> , 2005 , 17, 646-55	7.8	66
390	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, 1286-94	5.3	65
389	Molecular characterization of Phl p II, a major timothy grass (<i>Phleum pratense</i>) pollen allergen. <i>FEBS Letters</i> , 1993 , 335, 299-304	3.8	65
388	Low sensitivity of commercially available rApi m 1 for diagnosis of honeybee venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 671-3	11.5	64
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