Rob Aalberse

List of Publications by Year
in descending order

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102 papers	10,341 citations	71102 41 h-index	36028 97 g-index
103 all docs	103 docs citations	103 times ranked	8680 citing authors

#	Article	IF	Citations
1	Recombinant allergens need a reality check. Journal of Allergy and Clinical Immunology, 2022, 149, 901-903.	2.9	1
2	Carbohydrate epitopes currently recognized as targets for IgE antibodies. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2383-2394.	5.7	36
3	Do germinal centers protect most of us from becoming allergic?. Annals of Allergy, Asthma and Immunology, 2021, 127, 301-305.	1.0	2
4	Identification of the aminoâ€terminal fragment of Ara h 1 as a major target of the IgEâ€binding activity in the basic peanut protein fraction. Clinical and Experimental Allergy, 2020, 50, 401-405.	2.9	19
5	Sesame: An Increasingly Popular Word and Common Food Allergen. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1689-1691.	3.8	5
6	Further investigations of the IgE response to tetanus and diphtheria following covaccination with acellular rather than cellular Bordetella pertussis. Pediatric Allergy and Immunology, 2019, 30, 841-847.	2.6	8
7	Does maternal IgG protect infants from allergen-specific IgE sensitization?. Journal of Allergy and Clinical Immunology, 2019, 144, 1454-1455.	2.9	3
8	Unique patterns of glycosylation in immunoglobulin subclass G4â€related disease and primary sclerosing cholangitis. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 1878-1886.	2.8	30
9	Repeated vaccination with tetanus toxoid of plasma donors with preâ€existing specific IgE transiently elevates tetanusâ€specific IgE but does not induce allergic symptoms. Clinical and Experimental Allergy, 2018, 48, 479-482.	2.9	8
10	OTU-020â€…Altered FC and FAB glycosylation status in patients with IGG4-related sclerosing cholangitis and autoimmune pancreatitis. , 2018, , .		0
11	Clinical Allergy at the Interface of Sticky Dust Particles and Crystal-Clear Proteins. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 1866-1868.	3.8	1
12	Does a strong IgG response precede allergic sensitization?. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1924-1925.	5.7	1
13	<scp>sIgE</scp> and <scp>sIgG</scp> to airborne atopic allergens: Coupled rather than inversely related responses. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 2239-2242.	5.7	10
14	Room temperature structure of human IgG4-Fc from crystals analysed in situ. Molecular Immunology, 2017, 81, 85-91.	2.2	7
15	Immunological Aspects of the Atopic March. , 2016, , 19-31.		1
16	A Tale of 2 Tails: The Interpretation of Changes in Allergen-Specific IgE Following Incidental Allergen Exposure. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 246-247.	3.8	1
17	EAACI Molecular Allergology User's Guide. Pediatric Allergy and Immunology, 2016, 27, 1-250.	2.6	642
18	The Developmental History of IgE and IgG4 Antibodies in Relation to Atopy, Eosinophilic Esophagitis, and the Modified TH2 Response. Current Allergy and Asthma Reports, 2016, 16, 45.	5.3	62

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19	Increased IgG4 responses to multiple food and animal antigens indicate a polyclonal expansion and differentiation of pre-existing B cells in IgG4-related disease. Annals of the Rheumatic Diseases, 2015, 74, 944-947.	0.9	37
20	Molecular Allergen-Specific IgE Assays as a Complement to Allergen Extractâ€“Based Sensitization Assessment. Journal of Allergy and Clinical Immunology: in Practice, 2015, 3, 863-869.	3.8	18
21	Shrimp Serology: We Need Tests with More and Less Cross-reactivity. Journal of Allergy and Clinical Immunology: in Practice, 2015, 3, 530-531.	3.8	8
22	Historic overview of allergy research in the Netherlands. Immunology Letters, 2014, 162, 163-172.	2.5	0
23	Foodâ€derived peptides in a diagnostic context: the fewer the better?. Pediatric Allergy and Immunology, 2014, 25, 206-207.	2.6	1
24	Cohort profile: The Prevention and Incidence of Asthma and Mite Allergy (PIAMA) birth cohort. International Journal of Epidemiology, 2014, 43, 527-535.	1.9	129
25	Structural Determinants of Unique Properties of Human IgG4-Fc. Journal of Molecular Biology, 2014, 426, 630-644.	4.2	96
26	A Lesson from Component-resolved Testing: We Need Better Extracts. Journal of Allergy and Clinical Immunology: in Practice, 2014, 2, 635-636.	3.8	4
27	Phenotypic differences between IgG4+ and IgG1+ B cells point to distinct regulation of the IgG4 response. Journal of Allergy and Clinical Immunology, 2014, 133, 267-270.e6.	2.9	48
28	The enigma of IgE+ B-cell memory in human subjects. Journal of Allergy and Clinical Immunology, 2013, 131, 972-976.	2.9	57
29	Fcâ€“Fc interactions of human IgG4 require dissociation of heavy chains and are formed predominantly by the intra-chain hinge isomer. Molecular Immunology, 2013, 53, 35-42.	2.2	37
30	Moving from peanut extract to peanut components: towards validation of componentâ€resolved IgE tests. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 748-756.	5.7	37
31	IgE Production to Î±-Gal Is Accompanied by Elevated Levels of Specific IgG1 Antibodies and Low Amounts of IgE to Blood Group B. PLoS ONE, 2013, 8, e55566.	2.5	111
32	IgG4-Related Fibrotic Diseases from an Immunological Perspective: Regulators out of Control?. International Journal of Rheumatology, 2012, 2012, 1-6.	1.6	32
33	Consensus statement on the pathology of IgG4-related disease. Modern Pathology, 2012, 25, 1181-1192.	5.5	2,171
34	Use of a Human Recombinant Immunoglobulin G1 CH3 Domain as a Probe for Detecting Alternatively Folded Human IgG in Intravenous Ig Products. Journal of Pharmaceutical Sciences, 2012, 101, 978-986.	3.3	3
35	Mechanism of Immunoglobulin G4 Fab-arm Exchange. Journal of the American Chemical Society, 2011, 133, 10302-10311.	13.7	155
36	IgG4 antibodies against rodents in laboratory animal workers do not protect against allergic sensitization. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 517-522.	5.7	27

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37	Is 99.9% purity good enough for allergens?. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1131-1132.	5.7	3
38	IgE-binding epitopes: a reappraisal. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1261-1274.	5.7	78
39	Measurement of serum levels of natalizumab, an immunoglobulin G4 therapeutic monoclonal antibody. Analytical Biochemistry, 2011, 411, 271-276.	2.4	60
40	Differentiating the cellular and humoral components of neuromuscular blocking agent-induced anaphylactic reactions in patients undergoing anaesthesia. British Journal of Anaesthesia, 2011, 106, 665-674.	3.4	15
41	Traces of pFcâ€™ in IVIG interact with human IgG Fc domains and counteract aggregation. European Journal of Pharmaceutical Sciences, 2010, 40, 62-68.	4.0	13
42	Immunoglobulin G4: an odd antibody. Clinical and Experimental Allergy, 2009, 39, 469-477.	2.9	694
43	Detection of conformational changes in immunoglobulin G using isothermal titration calorimetry with low-molecular-weight probes. Analytical Biochemistry, 2008, 380, 303-309.	2.4	14
44	IgG subclasses of antiâ€FVIII antibodies during immune tolerance induction in patients with hemophilia A. British Journal of Haematology, 2008, 142, 644-652.	2.5	82
45	Recombinant Major Urinary Proteins of the Mouse in Specific IgE and IgG Testing. International Archives of Allergy and Immunology, 2007, 144, 296-304.	2.1	19
46	Anti-Inflammatory Activity of Human IgG4 Antibodies by Dynamic Fab Arm Exchange. Science, 2007, 317, 1554-1557.	12.6	846
47	Assessment of allergen cross-reactivity. Clinical and Molecular Allergy, 2007, 5, 2.	1.8	74
48	In silico predictability of allergenicity: From amino acid sequence via 3-D structure to allergenicity. Molecular Nutrition and Food Research, 2006, 50, 625-627.	3.3	33
49	Structural Features of Allergenic Molecules. , 2006, 91, 134-146.		33
50	Characterization of immunoglobulin G fragments in liquid intravenous immunoglobulin products. Transfusion, 2005, 45, 1601-1609.	1.6	15
51	Mouse allergen-specific immunoglobulin G and immunoglobulin G4 and allergic symptoms in immunoglobulin E-sensitized laboratory animal workers. Clinical and Experimental Allergy, 2005, 35, 1347-1353.	2.9	53
52	Assessment of sequence homology and cross-reactivity. Toxicology and Applied Pharmacology, 2005, 207, 149-151.	2.8	14
53	Substitution of <i>Pichia pastoris</i>-Derived Recombinant Proteins with Mannose Containing O- and N-Linked Glycans Decreases Specificity of Diagnostic Tests. International Archives of Allergy and Immunology, 2004, 135, 187-195.	2.1	13
54	How do we avoid developing allergy: Modifications of the TH2 response from a B-cell perspective. Journal of Allergy and Clinical Immunology, 2004, 113, 983-986.	2.9	83

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55	How Accurate and Safe Is the Diagnosis of Hazelnut Allergy by Means of Commercial Skin Prick Test Reagents?. International Archives of Allergy and Immunology, 2003, 132, 132-140.	2.1	72
56	IgG4 breaking the rules. Immunology, 2002, 105, 9-19.	4.4	409
57	Use of a chimeric ELISA to investigate immunoglobulin EÂantibody responses to Der p 1 and Der p 2 in mite-allergic patients with asthma, wheezing and/or rhinitis. Clinical and Experimental Allergy, 2002, 32, 1323-1328.	2.9	78
58	Structural aspects of cross-reactivity and its relation to antibody affinity. Allergy: European Journal of Allergy and Clinical Immunology, 2001, 56, 27-29.	5.7	22
59	Crossâ€reactivity of IgE antibodies to allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2001, 56, 478-490.	5.7	267
60	Development of specific immunoglobulin E in coughing toddlers: A medical records review of symptoms in general practice. Pediatric Allergy and Immunology, 2001, 12, 133-141.	2.6	8
61	Structure of food allergens in relation to allergenicity. Pediatric Allergy and Immunology, 2001, 12, 10-14.	2.6	19
62	The Stripped Basophil Histamine Release Bioassay as a Tool for the Detection of Allergen-Specific IgE in Serum. International Archives of Allergy and Immunology, 2001, 126, 277-285.	2.1	56
63	Down-Regulation of IgE and IgG4 Antibodies to Tetanus Toxoid and Diphtheria Toxoid by Covaccination with Cellular Bordetella pertussis Vaccine. Journal of Immunology, 2001, 167, 2411-2417.	0.8	34
64	Î²(1,2)-Xylose and Î±(1,3)-Fucose Residues Have a Strong Contribution in IgE Binding to Plant Glycoallergens. Journal of Biological Chemistry, 2000, 275, 11451-11458.	3.4	355
65	Specific IgE and IgG Responses in Atopic versus Nonatopic Subjects. American Journal of Respiratory and Critical Care Medicine, 2000, 162, S124-S127.	5.6	32
66	Structural biology of allergens. Journal of Allergy and Clinical Immunology, 2000, 106, 228-238.	2.9	583
67	Normal human immunoglobulin G4 is bispecific: it has two different antigenâ€combining sites. Immunology, 1999, 97, 693-698.	4.4	124
68	Clinical relevance of carbohydrate allergen epitopes. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 54-57.	5.7	46
69	Standardization ofin vivoandin vitrodiagnostic procedures in food allergy. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 62-64.	5.7	5
70	Allergens from mites: implications of crossâ€reactivity between invertebrate antigens. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 47-48.	5.7	16
71	How far can we simplify in vitro diagnostics for grass pollen allergy?: A study with 17 whole pollen extracts and purified natural and recombinant major allergens. Journal of Allergy and Clinical Immunology, 1998, 102, 184-190.	2.9	98
72	Complementation of Der p 2â€“induced histamine release from human basophils sensitized with monoclonal IgE: Not only by IgE, but also by IgG antibodies directed to a nonoverlapping epitope of Der p 2â˜†â˜†â˜†â˜…â˜…â˜…. Journal of Allergy and Clinical Immunology, 1998, 101, 404-409.	2.9	18

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73	Production of a mouse/human chimeric IgE monoclonal antibody to the house dust mite allergen Der p 2 and its use for the absolute quantification of allergen-specific IgE. Journal of Allergy and Clinical Immunology, 1997, 99, 545-550.	2.9	93
74	Poor biologic activity of cross-reactive IgE directed to carbohydrate determinants of glycoproteins. Journal of Allergy and Clinical Immunology, 1997, 100, 327-334.	2.9	265
75	Food allergens. Environmental Toxicology and Pharmacology, 1997, 4, 55-60.	4.0	34
76	Measurement of IgE antibodies against purified grass pollen allergens (Lol p 1, 2, 3 and 5) during immunotherapy. Clinical and Experimental Allergy, 1997, 27, 68-74.	2.9	31
77	Mouse/human chimeric IgGl and IgG4 antibodies directed to the house dust mite allergen Der p 2: use in quantification of allergen specific IgG. Clinical and Experimental Allergy, 1997, 27, 1095-1102.	2.9	20
78	Crossreactive carbohydrate determinants. Clinical Reviews in Allergy and Immunology, 1997, 15, 375-387.	6.5	87
79	Specific IgE and lgG4 Immune Responses to Tetanus and Diphtheria Toxoid in Atopic and Nonatopic Children during the First Two Years of Life. International Archives of Allergy and Immunology, 1996, 111, 262-267.	2.1	49
80	Silverfish protein in house dust in relation to mite and total arthropod level. Clinical and Experimental Allergy, 1996, 26, 1171-1176.	2.9	13
81	Atopy and the ectopic immune response. Immunology and Cell Biology, 1996, 74, 201-205.	2.3	5
82	IgE Antibodies Reactive with Silverfish, Cockroach and Chironomid Are Frequently Found in Mite-Positive Allergic Patients. International Archives of Allergy and Immunology, 1995, 108, 165-169.	2.1	35
83	Rabbit IgG Directed to a Synthetic C-Terminal Peptide of the Major Grass Pollen Allergen Lol p I Inhibits Human Basophil Histamine Release Induced by Natural Lol p I. International Archives of Allergy and Immunology, 1995, 106, 250-257.	2.1	21
84	IgE Antibodies to Tetanus Toxoid in Relation to Atopy. International Archives of Allergy and Immunology, 1995, 107, 169-171.	2.1	32
85	Differences between specificities of IgE and IgG4 antibodies: studies using recombinant chain 1 and chain 2 of the major cat allergen Felis domesticus (Fel d) I. Clinical and Experimental Allergy, 1995, 25, 247-251.	2.9	12
86	Identification of a Cross-Reactive Allergen (Presumably Tropomyosin) in Shrimp, Mite and Insects. International Archives of Allergy and Immunology, 1994, 105, 56-61.	2.1	171
87	IgE epitopes on the cat () major allergen I: A study with overlapping synthetic peptides. Journal of Allergy and Clinical Immunology, 1994, 93, 34-43.	2.9	55
88	IgE and lgG4 Binding to Synthetic Peptides of the Cat (Felis domesticus) Major Allergen Fel d I. International Archives of Allergy and Immunology, 1994, 103, 274-279.	2.1	14
89	The use of T bag synthesis with paper discs as the solid phase in epitope mapping studies. Journal of Immunological Methods, 1993, 161, 177-186.	1.4	8
90	The Potent lgG4-lnducing Antigen in Banana Is a Mannose-Binding Lectin, <i>BanLec-</i><i>I</i>. International Archives of Allergy and Immunology, 1992, 97, 17-24.	2.1	39

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91	Relationship between IgG1 and IgG4 antibodies to foods and the development of IgE antibodies to inhalant allergens. I. Establishment of a scoring system for the overall food responsiveness and its application to 213 unselected children. Clinical and Experimental Allergy, 1991, 21, 91-98.	2.9	26
92	Cross-reactivity of IgE antibodies to caddis fly with arthropoda and mollusca. Journal of Allergy and Clinical Immunology, 1989, 84, 174-183.	2.9	61
93	Discrepancies between the skin test and IgE antibody assays: Study of histamine release, complement activation in vitro, and occurrence of allergen-specific IgG. Journal of Allergy and Clinical Immunology, 1988, 82, 270-281.	2.9	94
94	Monoclonal antibodies to the major feline allergen Fel d I. II. Single step affinity purification of Fel d I, N-terminal sequence analysis, and development of a sensitive two-site immunoassay to assess Fel d I exposure. Journal of Immunology, 1988, 140, 812-8.	0.8	212
95	PRODUCTION OF, AND INTERACTIONS BETWEEN, IMMUNOGLOBULINS. Pediatric Research, 1986, 20, 1029-1029.	2.3	0
96	Serologic aspects of IgG4 antibodies. II. IgG4 antibodies form small, nonprecipitating immune complexes due to functional monovalency. Journal of Immunology, 1986, 137, 3566-71.	0.8	119
97	Lack of activation of C1, despite circulating immune complexes detected by two C1q methods, in patients with rheumatoid arthritis. Arthritis and Rheumatism, 1984, 27, 40-48.	6.7	24
98	IgG4 and Release of Histamine from Human Peripheral Blood Leukocytes. International Archives of Allergy and Immunology, 1982, 67, 117-122.	2.1	41
99	Allergen-specific IgE and IgG4 antibody levels in sera and the capacity of these sera to sensitize basophil leucocytes in vitro. Clinical and Experimental Allergy, 1982, 12, 451-458.	2.9	17
100	Immunoglobulin E antibodies that crossreact with vegetable foods, pollen, and Hymenoptera venom. Journal of Allergy and Clinical Immunology, 1981, 68, 356-364.	2.9	395
101	IgG4 and Passive Sensitization of Basophil Leukocytes. International Archives of Allergy and Immunology, 1981, 65, 432-440.	2.1	50
102	Subclass Typing of IgG Antibodies Formed by Grass Pollen-Allergic Patients during Immunotherapy. International Archives of Allergy and Immunology, 1976, 50, 625-640.	2.1	126