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	Consensus statement on the pathology of IgG4-related disease. Modern Pathology, 2012, 25, 1181-1192.	5.5	2,171
2	Anti-Inflammatory Activity of Human IgG4 Antibodies by Dynamic Fab Arm Exchange. Science, 2007, 317, 1554-1557.	12.6	846
3	Immunoglobulin G4: an odd antibody. Clinical and Experimental Allergy, 2009, 39, 469-477.	2.9	694
4	EAACI Molecular Allergology User's Guide. Pediatric Allergy and Immunology, 2016, 27, 1-250.	2.6	642
5	Structural biology of allergens. Journal of Allergy and Clinical Immunology, 2000, 106, 228-238.	2.9	583
6	IgG4 breaking the rules. Immunology, 2002, 105, 9-19.	4.4	409
7	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
8	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
9	Crossâ€reactivity of IgE antibodies to allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2001, 56, 478-490.	5.7	267
10	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
11	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
12	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
13	Mechanism of Immunoglobulin G4 Fab-arm Exchange. Journal of the American Chemical Society, 2011, 133, 10302-10311.	13.7	155
14	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
15	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
16	Normal human immunoglobulin G4 is bispecific: it has two different antigenâ€combining sites. Immunology, 1999, 97, 693-698.	4.4	124
17	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
18	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

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19	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
20	Structural Determinants of Unique Properties of Human IgG4-Fc. Journal of Molecular Biology, 2014, 426, 630-644.	4.2	96
21	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
22	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
23	Crossreactive carbohydrate determinants. Clinical Reviews in Allergy and Immunology, 1997, 15, 375-387.	6.5	87
24	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
25	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
26	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
27	IgE-binding epitopes: a reappraisal. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1261-1274.	5.7	78
28	Assessment of allergen cross-reactivity. Clinical and Molecular Allergy, 2007, 5, 2.	1.8	74
29	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
30	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
31	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
32	Measurement of serum levels of natalizumab, an immunoglobulin G4 therapeutic monoclonal antibody. Analytical Biochemistry, 2011, 411, 271-276.	2.4	60
33	The enigma of IgE+ B-cell memory in human subjects. Journal of Allergy and Clinical Immunology, 2013, 131, 972-976.	2.9	57
34	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
35	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
36	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

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37	IgG4 and Passive Sensitization of Basophil Leukocytes. International Archives of Allergy and Immunology, 1981, 65, 432-440.	2.1	50
38	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
39	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
40	Clinical relevance of carbohydrate allergen epitopes. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 54-57.	5.7	46
41	IgG4 and Release of Histamine from Human Peripheral Blood Leukocytes. International Archives of Allergy and Immunology, 1982, 67, 117-122.	2.1	41
42	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
43	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
44	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
45	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
46	Carbohydrate epitopes currently recognized as targets for IgE antibodies. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2383-2394.	5.7	36
47	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
48	Food allergens. Environmental Toxicology and Pharmacology, 1997, 4, 55-60.	4.0	34
49	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
50	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
51	Structural Features of Allergenic Molecules. , 2006, 91, 134-146.		33
52	IgE Antibodies to Tetanus Toxoid in Relation to Atopy. International Archives of Allergy and Immunology, 1995, 107, 169-171.	2.1	32
53	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
54	IgG4-Related Fibrotic Diseases from an Immunological Perspective: Regulators out of Control?. International Journal of Rheumatology, 2012, 2012, 1-6.	1.6	32

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	Structure of food allergens in relation to allergenicity. Pediatric Allergy and Immunology, 2001, 12, 10-14.	2.6	19
64	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
65	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
66	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
67	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
68	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
69	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
70	Characterization of immunoglobulin G fragments in liquid intravenous immunoglobulin products. Transfusion, 2005, 45, 1601-1609.	1.6	15
71	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
72	IgE and IgG4 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

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73	Assessment of sequence homology and cross-reactivity. Toxicology and Applied Pharmacology, 2005, 207, 149-151.	2.8	14
74	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
75	Silverfish protein in house dust in relation to mite and total arthropod level. Clinical and Experimental Allergy, 1996, 26, 1171-1176.	2.9	13
76	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
77	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
78	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
79	<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
80	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
81	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
82	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
83	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
84	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
85	Room temperature structure of human IgG4-Fc from crystals analysed in situ. Molecular Immunology, 2017, 81, 85-91.	2.2	7
86	Atopy and the ectopic immune response. Immunology and Cell Biology, 1996, 74, 201-205.	2.3	5
87	Standardization ofin vivoandin vitrodiagnostic procedures in food allergy. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 62-64.	5.7	5
88	Sesame: An Increasingly Popular Word and Common Food Allergen. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1689-1691.	3.8	5
89	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
90	Is 99.9% purity good enough for allergens?. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1131-1132.	5.7	3

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91	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
92	Does maternal IgG protect infants from allergen-specific IgE sensitization?. Journal of Allergy and Clinical Immunology, 2019, 144, 1454-1455.	2.9	3
93	Do germinal centers protect most of us from becoming allergic?. Annals of Allergy, Asthma and Immunology, 2021, 127, 301-305.	1.0	2
94	Foodâ€derived peptides in a diagnostic context: the fewer the better?. Pediatric Allergy and Immunology, 2014, 25, 206-207.	2.6	1
95	Immunological Aspects of the Atopic March. , 2016, , 19-31.		1
96	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
97	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
98	Does a strong IgG response precede allergic sensitization?. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1924-1925.	5.7	1
99	Recombinant allergens need a reality check. Journal of Allergy and Clinical Immunology, 2022, 149, 901-903.	2.9	1
100	PRODUCTION OF, AND INTERACTIONS BETWEEN, IMMUNOGLOBULINS. Pediatric Research, 1986, 20, 1029-1029.	2.3	0
101	Historic overview of allergy research in the Netherlands. Immunology Letters, 2014, 162, 163-172.	2.5	0
102	OTU-020â€...Altered FC and FAB glycosylation status in patients with IGG4-related sclerosing cholangitis and autoimmune pancreatitis. , 2018, , .		0