Karin Hoffmann-Sommergruber

List of Publications by Citations

189 papers	9,842 citations	54 h-index	93 g-index
198 ext. papers	11,276 ext. citations	5.2 avg, IF	5.65 L-index

#	Paper	IF	Citations
189	EAACI food allergy and anaphylaxis guidelines: diagnosis and management of food allergy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 1008-25	9.3	680
188	EAACI Molecular Allergology User's Guide. *Pediatric Allergy and Immunology*, **2016**, 27 Suppl 23, 1-250	4.2	441
187	Microarrayed allergen molecules: diagnostic gatekeepers for allergy treatment. *FASEB Journal*, **2002**, 16, 414-6	0.9	372
186	The epidemiology of food allergy in Europe: a systematic review and meta-analysis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 62-75	9.3	311
185	Dissection of immunoglobulin E and T lymphocyte reactivity of isoforms of the major birch pollen allergen Bet v 1: potential use of hypoallergenic isoforms for immunotherapy. *Journal of Experimental Medicine*, **1996**, 183, 599-609	16.6	270
184	Apple allergy across Europe: how allergen sensitization profiles determine the clinical expression of allergies to plant foods. *Journal of Allergy and Clinical Immunology*, **2006**, 118, 481-8	11.5	265
183	Cloning and sequencing of Mal d 1, the major allergen from apple (Malus domestica), and its immunological relationship to Bet v 1, the major birch pollen allergen. *Biochemical and Biophysical Research Communications*, **1995**, 214, 538-51	3.4	237
182	Molecular characterization of Api g 1, the major allergen of celery (Apium graveolens), and its immunological and structural relationships to a group of 17-kDa tree pollen allergens. *FEBS Journal* , **1995**, 233, 484-9		183
181	Plant allergens and pathogenesis-related proteins. What do they have in common?. *International Archives of Allergy and Immunology*, **2000**, 122, 155-66	3.7	158
180	Isoforms of Bet v 1, the major birch pollen allergen, analyzed by liquid chromatography, mass spectrometry, and cDNA cloning. *Journal of Biological Chemistry*, **1995**, 270, 2607-13	5.4	155
179	Pathogenesis-related (PR)-proteins identified as allergens. *Biochemical Society Transactions*, **2002**, 30, 930-5	5.1	152
178	Four recombinant isoforms of Cor a I, the major allergen of hazel pollen, show different IgE-binding properties. *FEBS Journal*, **1993**, 212, 355-62		151
177	Silencing the major apple allergen Mal d 1 by using the RNA interference approach. *Journal of Allergy and Clinical Immunology*, **2005**, 115, 364-9	11.5	147
176	The diagnosis of food allergy: a systematic review and meta-analysis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 76-86	9.3	146
175	Efficacy of birch-pollen immunotherapy on cross-reactive food allergy confirmed by skin tests and double-blind food challenges. *Clinical and Experimental Allergy*, **2004**, 34, 761-9	4.1	137
174	IgE-mediated food allergy diagnosis: Current status and new perspectives. *Molecular Nutrition and Food Research*, **2007**, 51, 135-47	5.9	136
173	Quantitative IgE inhibition experiments with purified recombinant allergens indicate pollen-derived allergens as the sensitizing agents responsible for many forms of plant food allergy. *Journal of Allergy and Clinical Immunology*, **2000**, 105, 116-25	11.5	135

172	Primary prevention of food allergy in children and adults: systematic review. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 581-9	9.3	132
171	The prevalence and distribution of food sensitization in European adults. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 365-71	9.3	121
170	Position paper of the EAACI: food allergy due to immunological cross-reactions with common inhalant allergens. *Allergy: European Journal of Allergy and Clinical Immunology*, **2015**, 70, 1079-90	9.3	118
169	The promoter of an apple Ypr10 gene, encoding the major allergen Mal d 1, is stress- and pathogen-inducible. *Plant Science*, **2000**, 152, 35-50	5.3	118
168	In vivo assessment with prick-to-prick testing and double-blind, placebo-controlled food challenge of allergenicity of apple cultivars. *Journal of Allergy and Clinical Immunology*, **2005**, 116, 1080-6	11.5	116
167	Cross-reactive and species-specific immunoglobulin E epitopes of plant profilins: an experimental and structure-based analysis. *Clinical and Experimental Allergy*, **2006**, 36, 920-9	4.1	101
166	Research needs in allergy: an EAACI position paper, in collaboration with EFA. *Clinical and Translational Allergy*, **2012**, 2, 21	5.2	99
165	Genomic cloning and linkage mapping of the Mal d 1 (PR-10) gene family in apple (Malus domestica). *Theoretical and Applied Genetics*, **2005**, 111, 171-83	6	98
164	Genomic characterization of members of the Bet v 1 family: genes coding for allergens and pathogenesis-related proteins share intron positions. *Gene*, **1997**, 197, 91-100	3.8	95
163	Molecular characterization of Dau c 1, the Bet v 1 homologous protein from carrot and its cross-reactivity with Bet v 1 and Api g 1. *Clinical and Experimental Allergy*, **1999**, 29, 840-7	4.1	95
162	Cross-reactive N-glycans of Api g 5, a high molecular weight glycoprotein allergen from celery, are required for immunoglobulin E binding and activation of effector cells from allergic patients. *FASEB Journal*, **2003**, 17, 1697-9	0.9	93
161	IgE sensitization profiles toward green and gold kiwifruits differ among patients allergic to kiwifruit from 3 European countries. *Journal of Allergy and Clinical Immunology*, **2004**, 114, 1169-75	11.5	88
160	Effect of postharvest storage on the expression of the apple allergen Mal d 1. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 5917-23	5.7	86
159	Geographic and temporal variations in pollen exposure across Europe. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 913-23	9.3	85
158	Biochemical characterization of Pru a 2, a 23-kD thaumatin-like protein representing a potential major allergen in cherry (Prunus avium). *International Archives of Allergy and Immunology*, **1998**, 116, 22-8	3.7	84
157	Intranasal corticosteroids in allergic rhinitis in COVID-19 infected patients: An ARIA-EAACI statement. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 2440-2444	9.3	81
156	Immunology of COVID-19: Mechanisms, clinical outcome, diagnostics, and perspectives-A report of the European Academy of Allergy and Clinical Immunology (EAACI). *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 2445-2476	9.3	81
155	Component-resolved diagnosis of kiwifruit allergy with purified natural and recombinant kiwifruit allergens. *Journal of Allergy and Clinical Immunology*, **2010**, 125, 687-94, 694.e1	11.5	80

154	Bet v 1, the major birch pollen allergen, initiates sensitization to Api g 1, the major allergen in celery: evidence at the T cell level. *European Journal of Immunology*, **2003**, 33, 3303-10	6.1	79
153	The non-specific lipid transfer protein from hazelnut, Cor a 8, a relevant food allergen. *Clinical and Translational Allergy*, **2015**, 5, P17	5.2	78
152	Purification and characterisation of natural Cor a 14, the 2S albumin from hazelnut, and its isoforms. *Clinical and Translational Allergy*, **2015**, 5, P18	5.2	78
151	Bet v 1 proteins, the major birch pollen allergens and members of a family of conserved pathogenesis-related proteins, show ribonuclease activity in vitro. *Physiologia Plantarum*, **1996**, 96, 433-438	4.6	77
150	Hazelnut allergy across Europe dissected molecularly: A EuroPrevall outpatient clinic survey. *Journal of Allergy and Clinical Immunology*, **2015**, 136, 382-91	11.5	73
149	Purification and characterization of recombinant Bet v I, the major birch pollen allergen. Immunological equivalence to natural Bet v I.. *Journal of Biological Chemistry*, **1993**, 268, 19574-19580	5.4	72
148	Hev b 9, an enolase and a new cross-reactive allergen from hevea latex and molds. Purification, characterization, cloning and expression. *FEBS Journal*, **2000**, 267, 7006-14		70
147	Purification and characterization of recombinant Bet v I, the major birch pollen allergen. Immunological equivalence to natural Bet v I. *Journal of Biological Chemistry*, **1993**, 268, 19574-80	5.4	70
146	Food allergen protein families and their structural characteristics and application in component-resolved diagnosis: new data from the EuroPrevall project. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 25-35	4.4	69
145	IgE cross-reactivity between the major peanut allergen Ara h 2 and the nonhomologous allergens Ara h 1 and Ara h 3. *Journal of Allergy and Clinical Immunology*, **2013**, 132, 118-24	11.5	68
144	The potential of Betv1 homologues, a nuclear multigene family, as phylogenetic markers in flowering plants. *Molecular Phylogenetics and Evolution*, **1997**, 8, 317-33	4.1	67
143	IgE reactivity to Api g 1, a major celery allergen, in a Central European population is based on primary sensitization by Bet v 1. *Journal of Allergy and Clinical Immunology*, **1999**, 104, 478-84	11.5	67
142	Guidance on allergenicity assessment of genetically modified plants. *EFSA Journal*, **2017**, 15, e04862	2.3	64
141	Kiwifruit allergy across Europe: clinical manifestation and IgE recognition patterns to kiwifruit allergens. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 164-71	11.5	64
140	Acute and long-term management of food allergy: systematic review. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 159-67	9.3	62
139	Mutational analysis of amino acid positions crucial for IgE-binding epitopes of the major apple (Malus domestica) allergen, Mal d 1. *International Archives of Allergy and Immunology*, **2006**, 139, 53-62	3.7	62
138	High-level expression and purification of the major birch pollen allergen, Bet v 1. *Protein Expression and Purification*, **1997**, 9, 33-9	2	58
137	Handling of allergen immunotherapy in the COVID-19 pandemic: An ARIA-EAACI statement. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 1546-1554	9.3	57

136	In vitro analysis of birch-pollen-associated food allergy by use of recombinant allergens in the basophil activation test. *International Archives of Allergy and Immunology*, **2005**, 136, 230-8	3.7	56
135	Tree nut allergens. *Molecular Immunology*, **2018**, 100, 71-81	4.3	54
134	Molecular diagnosis of fruit and vegetable allergy. *Current Opinion in Allergy and Clinical Immunology*, **2011**, 11, 229-35	3.3	54
133	Cloning and molecular and immunological characterisation of two new food allergens, Cap a 2 and Lyc e 1, profilins from bell pepper (Capsicum annuum) and Tomato (Lycopersicon esculentum). *International Archives of Allergy and Immunology*, **2003**, 131, 245-55	3.7	53
132	Linkage map positions and allelic diversity of two Mal d 3 (non-specific lipid transfer protein) genes in the cultivated apple (Malus domestica). *Theoretical and Applied Genetics*, **2005**, 110, 479-91	6	53
131	EAACI position paper on diet diversity in pregnancy, infancy and childhood: Novel concepts and implications for studies in allergy and asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 497-523	9.3	53
130	EAACI position paper: Influence of dietary fatty acids on asthma, food allergy, and atopic dermatitis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 1429-1444	9.3	52
129	The urgent need for a harmonized severity scoring system for acute allergic reactions. *Allergy: European Journal of Allergy and Clinical Immunology*, **2018**, 73, 1792-1800	9.3	52
128	EAACI Food Allergy and Anaphylaxis Guidelines. Protecting consumers with food allergies: understanding food consumption, meeting regulations and identifying unmet needs. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 1464-72	9.3	52
127	Naturally occurring hypoallergenic Bet v 1 isoforms fail to induce IgE responses in individuals with birch pollen allergy. *Journal of Allergy and Clinical Immunology*, **2008**, 121, 246-52	11.5	51
126	The role of mobile health technologies in allergy care: An EAACI position paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 259-272	9.3	51
125	Allergen chip diagnosis for soy-allergic patients: Gly m 4 as a marker for severe food-allergic reactions to soy. *International Archives of Allergy and Immunology*, **2013**, 161, 229-33	3.7	49
124	Prevalence of IgE-binding to Art v 1, Art v 4 and Amb a 1 in mugwort-allergic patients. *International Archives of Allergy and Immunology*, **2008**, 145, 94-101	3.7	46
123	COVID-19 pandemic: Practical considerations on the organization of an allergy clinic-An EAACI/ARIA Position Paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 648-676	9.3	46
122	A mutant of the major apple allergen, Mal d 1, demonstrating hypo-allergenicity in the target organ by double-blind placebo-controlled food challenge. *Clinical and Experimental Allergy*, **2005**, 35, 1638-44	4.1	45
121	Genomic characterization and linkage mapping of the apple allergen genes Mal d 2 (thaumatin-like protein) and Mal d 4 (profilin). *Theoretical and Applied Genetics*, **2005**, 111, 1087-97	6	45
120	The performance of a component-based allergen microarray for the diagnosis of kiwifruit allergy. *Clinical and Experimental Allergy*, **2011**, 41, 129-36	4.1	44
119	Assessment of component-resolved in vitro diagnosis of celeriac allergy. *Journal of Allergy and Clinical Immunology*, **2009**, 124, 1273-1281.e2	11.5	44

118	2-D protein crystals as an immobilization matrix for producing reaction zones in dipstick-style immunoassays. *BioTechniques*, **1996**, 21, 918-25	2.5	44
117	Characterization of api g 1.0201, a new member of the Api g 1 family of celery allergens. *International Archives of Allergy and Immunology*, **2000**, 122, 115-23	3.7	42
116	Component-resolved diagnosis and beyond: Multivariable regression models to predict severity of hazelnut allergy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2018**, 73, 549-559	9.3	41
115	Measurement of lipid transfer protein in 88 apple cultivars. *International Archives of Allergy and Immunology*, **2008**, 146, 19-26	3.7	41
114	Are Physicochemical Properties Shaping the Allergenic Potency of Animal Allergens?. *Clinical Reviews in Allergy and Immunology*, **2021**, 1	12.3	41
113	Food allergy and atopic dermatitis: Prediction, progression, and prevention. *Pediatric Allergy and Immunology*, **2017**, 28, 831-840	4.2	39
112	The SAFE project: 'plant food allergies: field to table strategies for reducing their incidence in Europe' an EC-funded study. *Allergy: European Journal of Allergy and Clinical Immunology*, **2005**, 60, 436-42	9.3	39
111	Assessment of allelic diversity in intron-containing Mal d 1 genes and their association to apple allergenicity. *BMC Plant Biology*, **2008**, 8, 116	5.3	36
110	Characterization of recombinant Mal d 4 and its application for component-resolved diagnosis of apple allergy. *Clinical and Experimental Allergy*, **2006**, 36, 1087-96	4.1	36
109	A recombinant allergen chimer as novel mucosal vaccine candidate for prevention of multi-sensitivities. *Allergy: European Journal of Allergy and Clinical Immunology*, **2007**, 62, 33-41	9.3	35
108	Current (Food) Allergenic Risk Assessment: Is It Fit for Novel Foods? Status Quo and Identification of Gaps. *Molecular Nutrition and Food Research*, **2018**, 62, 1700278	5.9	34
107	ARIA-EAACI statement on severe allergic reactions to COVID-19 vaccines - An EAACI-ARIA Position Paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 1624-1628	9.3	34
106	Allergenicity assessment of apple cultivars: hurdles in quantifying labile fruit allergens. *International Archives of Allergy and Immunology*, **2006**, 141, 230-40	3.7	33
105	Are Physicochemical Properties Shaping the Allergenic Potency of Plant Allergens?. *Clinical Reviews in Allergy and Immunology*, **2020**, 1	12.3	33
104	Cor a 14, the allergenic 2S albumin from hazelnut, is highly thermostable and resistant to gastrointestinal digestion. *Molecular Nutrition and Food Research*, **2015**, 59, 2077-86	5.9	32
103	Disease-specific health-related quality of life instruments for IgE-mediated food allergy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 834-44	9.3	32
102	Allergic sensitization: screening methods. *Clinical and Translational Allergy*, **2014**, 4, 13	5.2	32
101	The EuroPrevall outpatient clinic study on food allergy: background and methodology. *Allergy: European Journal of Allergy and Clinical Immunology*, **2015**, 70, 576-84	9.3	31

100	ARIA-EAACI statement on asthma and COVID-19 (June 2, 2020). *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 689-697	9.3	31
99	Severe allergy to sharon fruit caused by birch pollen. *International Archives of Allergy and Immunology*, **2005**, 136, 45-52	3.7	29
98	Dendritic Cells and Their Role in Allergy: Uptake, Proteolytic Processing and Presentation of Allergens. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	28
97	Applications of Molecular Diagnostic Testing in Food Allergy. *Current Allergy and Asthma Reports*, **2015**, 15, 56	5.6	27
96	Four recombinant isoforms of Cor a 1, the major allergen of hazel pollen, show different reactivities with allergen-specific T-lymphocyte clones. *FEBS Journal*, **1994**, 224, 717-22		27
95	Differences in the allergenicity of 6 different kiwifruit cultivars analyzed by prick-to-prick testing, open food challenges, and ELISA. *Journal of Allergy and Clinical Immunology*, **2011**, 127, 677-9.e1-2	11.5	26
94	Lab scale and medium scale production of recombinant allergens in Escherichia coli. *Methods*, **2004**, 32, 219-26	4.6	26
93	Prioritizing research challenges and funding for allergy and asthma and the need for translational research-The European Strategic Forum on Allergic Diseases. *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 2064-2076	9.3	25
92	Component-resolved IgE profiles in Austrian patients with a convincing history of peanut allergy. *International Archives of Allergy and Immunology*, **2015**, 166, 13-24	3.7	25
91	Responsiveness of the major birch allergen Bet v 1 scaffold to the gastric environment: impact on structure and allergenic activity. *Molecular Nutrition and Food Research*, **2011**, 55, 1690-9	5.9	25
90	Coordinated and standardized production, purification and characterization of natural and recombinant food allergens to establish a food allergen library. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S159-65	5.9	25
89	Detection of allergen-specific IgE in tears of grass pollen-allergic patients with allergic rhinoconjunctivitis. *Clinical and Experimental Allergy*, **1996**, 26, 79-87	4.1	25
88	Assessment of endogenous allergenicity of genetically modified plants exemplified by soybean - Where do we stand?. *Food and Chemical Toxicology*, **2017**, 101, 139-148	4.7	24
87	Structural and Functional Characterization of the Hazelnut Allergen Cor a 8. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 9150-8	5.7	24
86	Differential T-cell responses and allergen uptake after exposure of dendritic cells to the birch pollen allergens Bet v 1.0101, Bet v 1.0401 and Bet v 1.1001. *Immunobiology*, **2010**, 215, 903-9	3.4	24
85	Purification and structural stability of the peach allergens Pru p 1 and Pru p 3. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S220-9	5.9	24
84	Natural and recombinant molecules of the cherry allergen Pru av 2 show diverse structural and B cell characteristics but similar T cell reactivity. *Clinical and Experimental Allergy*, **2006**, 36, 359-68	4.1	24
83	Enhanced Pru p 3 IgE-binding activity by selective free fatty acid-interaction. *Journal of Allergy and Clinical Immunology*, **2017**, 140, 1728-1731.e10	11.5	22

82	Patients Allergic to Fish Tolerate Ray Based on the Low Allergenicity of Its Parvalbumin. *Journal of Allergy and Clinical Immunology: in Practice*, **2019**, 7, 500-508.e11	5.4	22
81	Structure of the major carrot allergen Dau c 1. *Acta Crystallographica Section D: Biological Crystallography*, **2009**, 65, 1206-12		21
80	A novel dipstick developed for rapid Bet v 1-specific IgE detection: recombinant allergen immobilized via a monoclonal antibody to crystalline bacterial cell-surface layers. *Allergy: European Journal of Allergy and Clinical Immunology*, **1998**, 53, 786-93	9.3	21
79	N-terminal sequences of high molecular weight allergens from celery tuber. *Clinical and Experimental Allergy*, **2000**, 30, 566-70	4.1	21
78	Homologous tropomyosins from vertebrate and invertebrate: Recombinant calibrator proteins in functional biological assays for tropomyosin allergenicity assessment of novel animal foods. *Clinical and Experimental Allergy*, **2020**, 50, 105-116	4.1	21
77	Bet v 1 and its homologous food allergen Api g 1 stimulate dendritic cells from birch pollen-allergic individuals to induce different Th-cell polarization. *Allergy: European Journal of Allergy and Clinical Immunology*, **2010**, 65, 1388-96	9.3	20
76	Pru p 3 as a marker for symptom severity for patients with peach allergy in a birch pollen environment. *Journal of Allergy and Clinical Immunology*, **2009**, 124, 166-7	11.5	19
75	Purification and characterisation of a panel of peanut allergens suitable for use in allergy diagnosis. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S272-85	5.9	19
74	Minimizing fucosylation in insect cell-derived glycoproteins reduces binding to IgE antibodies from the sera of patients with allergy. *Biotechnology Journal*, **2014**, 9, 1206-14	5.6	18
73	Jug r 6 is the allergenic vicilin present in walnut responsible for IgE cross-reactivities to other tree nuts and seeds. *Scientific Reports*, **2018**, 8, 11366	4.9	17
72	Understanding the molecular sensitization for Cypress pollen and peach in the Languedoc-Roussillon area. *Allergy: European Journal of Allergy and Clinical Immunology*, **2013**, 68, 249-51	9.3	17
71	Authentication of food allergen quality by physicochemical and immunological methods. *Clinical and Experimental Allergy*, **2010**, 40, 973-86	4.1	17
70	Impact of lipid binding on the tertiary structure and allergenic potential of Jug r 3, the non-specific lipid transfer protein from walnut. *Scientific Reports*, **2019**, 9, 2007	4.9	16
69	Peanut lipids display potential adjuvanticity by triggering a pro-inflammatory response in human keratinocytes. *Allergy: European Journal of Allergy and Clinical Immunology*, **2018**, 73, 1746-1749	9.3	16
68	High-throughput NMR assessment of the tertiary structure of food allergens. *PLoS ONE*, **2012**, 7, e39785	3.7	16
67	COVID-19 pandemic and allergen immunotherapy-an EAACI survey. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 3504-3516	9.3	16
66	The major birch pollen allergen Bet v 1 induces different responses in dendritic cells of birch pollen allergic and healthy individuals. *PLoS ONE*, **2015**, 10, e0117904	3.7	14
65	Characterization of Bet v 1-related allergens from kiwifruit relevant for patients with combined kiwifruit and birch pollen allergy. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S230-40	5.9	14

64	High-level expression of tree pollen isoallergens in Escherichia coli. *International Archives of Allergy and Immunology*, **1996**, 110, 282-7	3.7	14
63	Allergen immunotherapy in the current COVID-19 pandemic: A position paper of AeDA, ARIA, EAACI, DGAKI and GPA: Position paper of the German ARIA Group in cooperation with the Austrian ARIA Group, the Swiss ARIA Group, German Society for Applied Allergology (AEDA), German Society for Allergology and Clinical Immunology (DGAKI), Society for Pediatric Allergology (GPA) in	4.1	14
62	In-vivo diagnostic test allergens in Europe: A call to action and proposal for recovery plan-An EAACI position paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 2161-2169	9.3	14
61	COST Action 'ImpARAS': what have we learnt to improve food allergy risk assessment. A summary of a 4□year networking consortium. *Clinical and Translational Allergy*, **2020**, 10, 13	5.2	13
60	Further studies on the biological activity of hazelnut allergens. *Clinical and Translational Allergy*, **2015**, 5, 26	5.2	13
59	Synthesis of cross-reactive carbohydrate determinants fragments as tools for in vitro allergy diagnosis. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1306-20	3.4	13
58	The diagnosis and management of allergic reactions in patients sensitized to non-specific lipid transfer proteins. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2433-2446	9.3	13
57	Concomitant sensitization to legumin, Fag e 2 and Fag e 5 predicts buckwheat allergy. *Clinical and Experimental Allergy*, **2018**, 48, 217-224	4.1	13
56	Watermelon contains 92% water but it also contains allergens!. *International Archives of Allergy and Immunology*, **2009**, 149, 289-90	3.7	12
55	Cysteine proteinase inhibitor Act d 4 is a functional allergen contributing to the clinical symptoms of kiwifruit allergy. *Molecular Nutrition and Food Research*, **2010**, 54, 373-80	5.9	12
54	Differential T-helper cell polarization after allergen-specific stimulation of autologous dendritic cells in polysensitized allergic patients. *International Archives of Allergy and Immunology*, **2015**, 166, 97-106	3.7	11
53	Fireblight (Erwinia amylovora) affects Mal d 1-related allergenicity in apple. *European Journal of Plant Pathology*, **2011**, 131, 1-7	2.1	11
52	Comparison of natural and recombinant forms of the major fish allergen parvalbumin from cod and carp. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S196-207	5.9	11
51	Isolation and cloning of Bet v 1-homologous food allergens from celeriac (Api g1) and apple (Mal d1). *Advances in Experimental Medicine and Biology*, **1996**, 409, 219-24	3.6	11
50	Non-specific lipid-transfer proteins: Allergen structure and function, cross-reactivity, sensitization, and epidemiology. *Clinical and Translational Allergy*, **2021**, 11, e12010	5.2	11
49	Proteomics and its impact on food allergy diagnosis. *EuPA Open Proteomics*, **2016**, 12, 10-12	0.1	11
48	The epidemiology of food allergy in Europe: protocol for a systematic review. *Clinical and Translational Allergy*, **2013**, 3, 13	5.2	10
47	Distinct Lipid Transfer Proteins display different IgE-binding activities that are affected by fatty acid binding. *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 827-831	9.3	10

46	ICER report for peanut OIT comes up short. *Annals of Allergy, Asthma and Immunology*, **2019**, 123, 430-432	3.2	9
45	The diagnosis of food allergy: protocol for a systematic review. *Clinical and Translational Allergy*, **2013**, 3, 18	5.2	9
44	The acute and long-term management of food allergy: protocol for a rapid systematic review. *Clinical and Translational Allergy*, **2013**, 3, 12	5.2	9
43	Additional indications for the low allergenic properties of the apple cultivars Santana and Elise. *Plant Foods for Human Nutrition*, **2013**, 68, 391-5	3.9	9
42	Update: molecular diagnostics of allergies to vegetables and fruits. *Allergo Journal International*, **2014**, 23, 24-34	1.5	8
41	The panel of egg allergens, Gal d 1-Gal d 5: Their improved purification and characterization. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S176-85	5.9	8
40	Prevention of birch pollen-related food allergy by mucosal treatment with multi-allergen-chimers in mice. *PLoS ONE*, **2012**, 7, e39409	3.7	8
39	Cow's Milk Processing-Friend or Foe in Food Allergy?. *Foods*, **2021**, 10,	4.9	8
38	Occupational exposure to ultrafine particles in police officers: no evidence for adverse respiratory effects. *Journal of Occupational Medicine and Toxicology*, **2018**, 13, 5	2.7	7
37	Glycomarkers in parasitic infections and allergy. *Biochemical Society Transactions*, **2011**, 39, 360-4	5.1	7
36	Management of anaphylaxis due to COVID-19 vaccines in the elderly. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2952-2964	9.3	7
35	Food and drug allergy, and anaphylaxis in EAACI journals (2018). *Pediatric Allergy and Immunology*, **2019**, 30, 785-794	4.2	6
34	Purification and characterisation of relevant natural and recombinant apple allergens. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S208-19	5.9	6
33	Highlights and recent developments in food and drug allergy, and anaphylaxis in EAACI Journals (2017). *Pediatric Allergy and Immunology*, **2018**, 29, 801-807	4.2	6
32	Highlights and recent developments in airway diseases in EAACI journals (2018). *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 2329-2341	9.3	5
31	Allergens and their associated small molecule ligands-their dual role in sensitization. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2367-2382	9.3	5
30	Walnut Allergy Across Europe: Distribution of Allergen Sensitization Patterns and Prediction of Severity. *Journal of Allergy and Clinical Immunology: in Practice*, **2021**, 9, 225-235.e10	5.4	5
29	Production and characterization of an allergen panel for component-resolved diagnosis of celery allergy. *Molecular Nutrition and Food Research*, **2008**, 52 Suppl 2, S241-50	5.9	4

28	Highlights and recent developments in airway diseases in EAACI journals (2017). *Clinical and Translational Allergy*, **2018**, 8, 49	5.2	4
27	Generation of a Jurkat-based fluorescent reporter cell line to evaluate lipid antigen interaction with the human iNKT cell receptor. *Scientific Reports*, **2019**, 9, 7426	4.9	3
26	Minimizing fucosylation in insect cell-derived glycoproteins reduces binding to IgE antibodies from the sera of patients with allergy. *Biotechnology Journal*, **2014**, 9, 1206-1214	5.6	3
25	Estimating the Risk of Severe Peanut Allergy Using Clinical Background and IgE Sensitization Profiles.. *Frontiers in Allergy*, **2021**, 2, 670789	0	3
24	Highlights and recent developments in skin allergy and related diseases in EAACI journals (2018). *Clinical and Translational Allergy*, **2019**, 9, 60	5.2	3
23	The COMPARE Database: A Public Resource for Allergen Identification, Adapted for Continuous Improvement.. *Frontiers in Allergy*, **2021**, 2, 700533	0	3
22	Atopic donor status does not influence the uptake of the major grass pollen allergen, Phl p 5, by dendritic cells. *Journal of Immunological Methods*, **2015**, 424, 120-30	2.5	2
21	Highlights and recent developments in allergic diseases in EAACI journals (2019). *Clinical and Translational Allergy*, **2020**, 10, 56	5.2	2
20	Update: molekulare Diagnose der Gemüse- und Fruchtallergie. *Allergo Journal*, **2014**, 23, 39-51	0	2
19	Authentication of food allergens. *Journal of the Serbian Chemical Society*, **2013**, 78, 315-320	0.9	2
18	Literature review: non-IgE-mediated immune adverse reactions to foods *EFSA Supporting Publications*, **2013**, 10,	1.1	2
17	Literature review: in vitro digestibility tests for allergenicity assessment *EFSA Supporting Publications*, **2013**, 10, 529E	1.1	2
16	Proposal of 0.5 mg of protein/100 g of processed food as threshold for voluntary declaration of food allergen traces in processed food-A first step in an initiative to better inform patients and avoid fatal allergic reactions: A GALEN position paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**,	9.3	2
15	Component-resolved diagnosis in adult patients with food-dependent anaphylaxis. *World Allergy Organization Journal*, **2021**, 14, 100530	5.2	2
14	Molecular Diagnostics of Allergy to Fruits and Vegetables **2017**, 271-289		1
13	Identifying fruit, nut and vegetable cultivars with low allergen levels and effects of post-harvest treatments **2007**, 134-146		1
12	Bet v 1-Homologous Allergens125-140		1
11	A Highly Sensitive Cell-Based TLR Reporter Platform for the Specific Detection of Bacterial TLR Ligands.. *Frontiers in Immunology*, **2021**, 12, 817604	8.4	1

10	COVID-19 vaccination in patients receiving allergen immunotherapy (AIT) or biologicals - EAACI recommendations.. *Allergy: European Journal of Allergy and Clinical Immunology*, **2022**,	9.3	1
9	Rare food allergens. *Allergologie Select*, **2021**, 5, 29-32	4.1	1
8	The clinical impact of cross-reactions between allergens on allergic skin diseases. *Current Opinion in Allergy and Clinical Immunology*, **2020**, 20, 374-380	3.3	0
7	National Allergy Societies JM Initiative. *Revue Francaise D allergologie*, **2020**, 60, 205	0.2	0
6	The accuracy of allergometric test for diagnosis of food allergy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2014**, 69, 969	9.3	
5	Expression, Purification and Crystallization of Wheat Profilin (Tri a 12). *Croatica Chemica Acta*, **2011**, 84, 419-422	0.8	
4	Food intolerances a diagnostic challenge. *Allergo Journal International*,1	1.5	
3	Prioritizing Research Challenges and Funding for Allergy and Asthma and the Need for Translational Research The European Strategic Forum on Allergic Diseases. *Pediatri ska Farmakologi* **2020**, 16, 281-295	0.5	
2	Molekulare Diagnostik der Gem se- und Fruchtallergie **2015**, 229-243		
1	Nahrungsmittelunvertr glichkeiten - eine diagnostische Herausforderung. *Allergo Journal*, **2022**, 31, 32-48	0	