# F Ferreira

List of Publications by Year
in descending order



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|---|---|---|---|
| 252 papers | 14,555 citations | 18465 62 h-index | 25770 108 g-index |
| 254 all docs | 254 docs citations | 254 times ranked | 7990 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | EAACI Molecular Allergology User's Guide. Pediatric Allergy and Immunology, 2016, 27, 1-250. | 1.1 | 642 |
| 2 | Profilins constitute a novel family of functional plant pan-allergens.. Journal of Experimental Medicine, 1992, 175, 377-385. | 4.2 | 592 |
| 3 | Allergens are distributed into few protein families and possess a restricted number of biochemical functions. Journal of Allergy and Clinical Immunology, 2008, 121, 847-852.e7. | 1.5 | 429 |
| 4 | Microarrayed allergen molecules: diagnostic gatekeepers for allergy treatment. FASEB Journal, 2002, 16, 414-416. | 0.2 | 420 |
| 5 | 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. | 4.2 | 289 |
| 6 | Crystal Structure of a Hypoallergenic Isoform of the Major Birch Pollen Allergen Bet v 1 and its Likely Biological Function as a Plant Steroid Carrier. Journal of Molecular Biology, 2003, 325, 123-133. | 2.0 | 270 |
| 7 | Identification of common allergenic structures in hazel pollen and hazelnuts: A possible explanation for sensitivity to hazelnuts in patients allergic to tree pollen. Journal of Allergy and Clinical Immunology, 1992, 90, 927-936. | 1.5 | 265 |
| 8 | Modulation of IgE reactivity of allergens by siteâ€directed mutagenesis: potential use of hypoallergenic variants for immunotherapy. FASEB Journal, 1998, 12, 231-242. | 0.2 | 257 |
| 9 | Panallergens and their impact on the allergic patient. Allergy, Asthma and Clinical Immunology, 2010, 6, 1. | 0.9 | 256 |
| 10 | Regulatory T Cell Specificity Directs Tolerance versus Allergy against Aeroantigens in Humans. Cell, 2016, 167, 1067-1078.e16. | 13.5 | 253 |
| 11 | Nomenclature and structural biology ofÂallergens. Journal of Allergy and Clinical Immunology, 2007, 119, 414-420. | 1.5 | 232 |
| 12 | Allergic cross-reactivity: from gene to the clinic. Allergy: European Journal of Allergy and Clinical Immunology, 2004, 59, 243-267. | 2.7 | 219 |
| 13 | Pollen-food syndromes associated with weed pollinosis: an update from the molecular point of view. Allergy: European Journal of Allergy and Clinical Immunology, 2006, 61, 461-476. | 2.7 | 202 |
| 14 | From Allergen Genes to Allergy Vaccines. Annual Review of Immunology, 2010, 28, 211-241. | 9.5 | 202 |
| 15 | IgE-mediated immediate-type hypersensitivity to the pyrazolone drug propyphenazone. Journal of Allergy and Clinical Immunology, 2003, 111, 882-888. | 1.5 | 188 |
| 16 | Four recombinant isoforms of Cor a I, the major allergen of hazel pollen, show different IgE-binding properties. FEBS Journal, 1993, 212, 355-362. | 0.2 | 186 |
| 17 | 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, 2607-2613. | 1.6 | 182 |
| 18 | Skin testing with recombinant allergens rBet v 1 and birch profilin, rBet v 2: Diagnostic value for birch pollen and associated allergies. Journal of Allergy and Clinical Immunology, 1996, 97, 1100-1109. | 1.5 | 176 |

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| 19 | EU Forum: The CREATE Project: development of certified reference materials for allergenic products and validation of methods for their quantification. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 310-326. | 2.7 | 170 |
| 20 | Update of the <scp>WHO</scp>/<scp>IUIS A</scp>llergen <scp>N</scp>omenclature <scp>D</scp>atabase based on analysis of allergen sequences. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 413-419. | 2.7 | 163 |
| 21 | Distinct Roles of Secreted HtrA Proteases from Gram-negative Pathogens in Cleaving the Junctional Protein and Tumor Suppressor E-cadherin. Journal of Biological Chemistry, 2012, 287, 10115-10120. | 1.6 | 150 |
| 22 | AllergenOnline: A peerâ€reviewed, curated allergen database to assess novel food proteins for potential crossâ€reactivity. Molecular Nutrition and Food Research, 2016, 60, 1183-1198. | 1.5 | 147 |
| 23 | The Spectrum of Allergens in Ragweed and Mugwort Pollen. International Archives of Allergy and Immunology, 2005, 138, 337-346. | 0.9 | 146 |
| 24 | The Role of Lipid Transfer Proteins in Allergic Diseases. Current Allergy and Asthma Reports, 2010, 10, 326-335. | 2.4 | 136 |
| 25 | Plant-based Heterologous Expression of Mal d 2, a Thaumatin-like Protein and Allergen of Apple (Malus) Tj ETQq1 1 0.784314 rgBT /O 721-730. | 2.0 | 129 |
| 26 | Molecular Characterization of an Autoallergen, Hom s 1, Identified by Serum IgE from Atopic Dermatitis Patients11Part of this manuscript was previously published in the proceedings of the 21st Symposium of the Collegium Internationale Allergologicum â€œAllergy â€“ A Disease of Modern Societyâ€; Int Arch Allergy Immunol 113:209â€“212, 1998. Journal of Investigative Dermatology, 1998, 111, 1178-1183. | 0.3 | 122 |
| 27 | Art v 1, the major allergen of mugwort pollen, is a modular glycoprotein with a defensinâ€like and a hydroxyprolineâ€rich domain. FASEB Journal, 2003, 17, 106-108. | 0.2 | 121 |
| 28 | Immunological and Biological Properties of Bet v 4, a Novel Birch Pollen Allergen with Two EF-hand Calcium-binding Domains. Journal of Biological Chemistry, 1997, 272, 28630-28637. | 1.6 | 115 |
| 29 | Cross-reactive and species-specific immunoglobulin E epitopes of plant profilins: an experimental and structure-based analysis. Clinical and Experimental Allergy, 2006, 36, 920-929. | 1.4 | 114 |
| 30 | Identification of multiple T cell epitopes on Bet v I, the major birch pollen allergen, using specific T cell clones and overlapping peptides. Journal of Immunology, 1993, 150, 1047-54. | 0.4 | 112 |
| 31 | IgE-binding epitopes of enolases, a class of highly conserved fungal allergens. Journal of Allergy and Clinical Immunology, 2000, 106, 887-895. | 1.5 | 109 |
| 32 | 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. | 1.0 | 107 |
| 33 | Two Novel Types of O-Glycans on the Mugwort Pollen Allergen Art v 1 and Their Role in Antibody Binding. Journal of Biological Chemistry, 2005, 280, 7932-7940. | 1.6 | 106 |
| 34 | Identification of profilin as an actin-binding protein in higher plants.. Journal of Biological Chemistry, 1993, 268, 22777-22781. | 1.6 | 102 |
| 35 | 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, 1169-1175. | 1.5 | 100 |
| 36 | The European Union CREATE Project: A model for international standardization of allergy diagnostics and vaccines. Journal of Allergy and Clinical Immunology, 2008, 122, 882-889.e2. | 1.5 | 97 |

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|---|---|---|---|
| 37 | Crystallographically Mapped Ligand Binding Differs in High and Low IgE Binding Isoforms of Birch Pollen Allergen Bet v 1. Journal of Molecular Biology, 2012, 422, 109-123. | 2.0 | 93 |
| 38 | Complementary DNA cloning and expression in Escherichia coli of Aln g I, the major allergen in pollen of alder (Alnus glutinosa). Journal of Allergy and Clinical Immunology, 1992, 90, 909-917. | 1.5 | 91 |
| 39 | Gene gun bombardment with gold particles displays a particular Th2-promoting signal that over-rules the Th1-inducing effect of immunostimulatory CpG motifs in DNA vaccines. Vaccine, 2002, 20, 3148-3154. | 1.7 | 90 |
| 40 | Identification of profilin as an actin-binding protein in higher plants. Journal of Biological Chemistry, 1993, 268, 22777-81. | 1.6 | 90 |
| 41 | Previously undescribed grass pollen antigens are the major inducers of T helper 2 cytokine-producing T cells in allergic individuals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3459-3464. | 3.3 | 88 |
| 42 | Immune responses after immunization with plasmid DNA encoding Bet v 1, the major allergen of birch pollen. Journal of Allergy and Clinical Immunology, 1999, 103, 107-113. | 1.5 | 86 |
| 43 | Peach allergy in China: AÂdominant role for mugwort pollen lipid transfer protein as a primary sensitizer. Journal of Allergy and Clinical Immunology, 2013, 131, 224-226.e3. | 1.5 | 85 |
| 44 | Artemisia and Ambrosia hypersensitivity: co-sensitization or co-recognition?. Clinical and Experimental Allergy, 2006, 36, 658-665. | 1.4 | 83 |
| 45 | Arrayâ€based profiling of ragweed and mugwort pollen allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 1543-1549. | 2.7 | 83 |
| 46 | Biology of weed pollen allergens. Current Allergy and Asthma Reports, 2004, 4, 391-400. | 2.4 | 81 |
| 47 | A New Allergen from Ragweed (Ambrosia artemisiifolia) with Homology to Art v 1 from Mugwort. Journal of Biological Chemistry, 2010, 285, 27192-27200. | 1.6 | 77 |
| 48 | A WAO â€" ARIA â€" GA2LEN consensus document on molecular-based allergy diagnosis (PAMD@): Update 2020. World Allergy Organization Journal, 2020, 13, 100091. | 1.6 | 76 |
| 49 | Allergens of weed pollen: An overview on recombinant and natural molecules. Methods, 2014, 66, 55-66. | 1.9 | 75 |
| 50 | Cloning of oleosin, a putative new hazelnut allergen, using a hazelnut cDNA library. Molecular Nutrition and Food Research, 2006, 50, 18-23. | 1.5 | 74 |
| 51 | Kiwifruit Act d 11 is the first member of the ripening-related protein family identified as an allergen. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 870-877. | 2.7 | 74 |
| 52 | Serological and skin-test diagnosis of birch pollen allergy with recombinant Bet v I, the major birch pollen allergen. Clinical and Experimental Allergy, 1996, 26, 50-60. | 1.4 | 73 |
| 53 | Induction of specific histamine release from basophils with purified natural and recombinant birch pollen allergens. Journal of Allergy and Clinical Immunology, 1993, 91, 88-97. | 1.5 | 72 |
| 54 | The Impact of Nitration on the Structure and Immunogenicity of the Major Birch Pollen Allergen Bet v 1.0101. PLoS ONE, 2014, 9, e104520. | 1.1 | 70 |

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| 55 | 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. | 0.9 | 69 |
| 56 | Naturally processed T cellâ€“activating peptides of the major birch pollen allergen. Journal of Allergy and Clinical Immunology, 2010, 125, 711-718.e2. | 1.5 | 69 |
| 57 | Fold stability during endolysosomal acidification is a key factor for allergenicity and immunogenicity of the major birch pollen allergen. Journal of Allergy and Clinical Immunology, 2016, 137, 1525-1534. | 1.5 | 69 |
| 58 | Enolases Are Highly Conserved Fungal Allergens. International Archives of Allergy and Immunology, 1997, 113, 114-117. | 0.9 | 68 |
| 59 | Molecular cloning and immunological characterisation of Cyn d 7, a novel calciumâ€binding allergen from Bermuda grass pollen<sup>1</sup>. FEBS Letters, 1997, 402, 167-172. | 1.3 | 68 |
| 60 | Immunize and disappearâ€”Safety-optimized mRNA vaccination with a panel of 29 allergens. Journal of Allergy and Clinical Immunology, 2009, 124, 1070-1077.e11. | 1.5 | 68 |
| 61 | Association between IgE response against Bet v I, the major allergen of Birch Pollen, and HLA-DRB alleles. Human Immunology, 1992, 33, 259-265. | 1.2 | 67 |
| 62 | High-Level Expression and Purification of the Major Birch Pollen Allergen, Bet v 1. Protein Expression and Purification, 1997, 9, 33-39. | 0.6 | 67 |
| 63 | The T Cell Response to Art v 1, the Major Mugwort Pollen Allergen, Is Dominated by One Epitope. Journal of Immunology, 2002, 169, 6005-6011. | 0.4 | 67 |
| 64 | Fagales pollen sensitization in a birch-free area: a respiratory cohort survey using Fagales pollen extracts and birch recombinant allergens (rBet v 1, rBet v 2, rBet v 4). Clinical and Experimental Allergy, 2003, 33, 1419-1428. | 1.4 | 64 |
| 65 | Standardization of allergen products: 1. Detailed characterization of GMPâ€produced recombinant Bet v 1.0101 as biological reference preparation. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1038-1045. | 2.7 | 64 |
| 66 | Assessing Protein Immunogenicity with a Dendritic Cell Line-Derived Endolysosomal Degradome. PLoS ONE, 2011, 6, e17278. | 1.1 | 64 |
| 67 | <scp>B</scp>et v 1â€like pollen allergens of multiple <scp>F</scp>agales species can sensitize atopic individuals. Clinical and Experimental Allergy, 2011, 41, 1804-1814. | 1.4 | 63 |
| 68 | Antigen presentation of the immunodominant T-cell epitope of the major mugwort pollen allergen, Art v 1, is associated with the expression of HLA-DRB1â*—01. Journal of Allergy and Clinical Immunology, 2005, 115, 399-404. | 1.5 | 62 |
| 69 | Genetic Engineering of Allergens: Future Therapeutic Products. International Archives of Allergy and Immunology, 2002, 128, 171-178. | 0.9 | 60 |
| 70 | 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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 T | 0.9 | 60 |
| 71 | Nitration of the Pollen Allergen Bet v 1.0101 Enhances the Presentation of Bet v 1-Derived Peptides by HLA-DR on Human Dendritic Cells. PLoS ONE, 2012, 7, e31483. | 1.1 | 60 |
| 72 | Allergenicity of <i>Ascaris lumbricoides</i> Tropomyosin and IgE Sensitization among Asthmatic Patients in a Tropical Environment. International Archives of Allergy and Immunology, 2011, 154, 195-206. | 0.9 | 58 |

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| 73 | Molecular and Immunological Characterization of Ragweed (Ambrosia artemisiifolia L.) Pollen after Exposure of the Plants to Elevated Ozone over a Whole Growing Season. PLoS ONE, 2013, 8, e61518. | 1.1 | 58 |
| 74 | Multiple T cell specificities forBet v I, the major birch pollen allergen, within single individuals. Studies using specific T cell clones and overlapping peptides. European Journal of Immunology, 1993, 23, 1523-1527. | 1.6 | 57 |
| 75 | Molecular and physiological characterisation of a 14-3-3 protein from lily pollen grains regulating the activity of the plasma membrane H + ATPase during pollen grain germination and tube growth. Planta, 2001, 213, 132-141. | 1.6 | 57 |
| 76 | A mutant of the major apple allergen, Mal d 1, demonstrating hypoâ€allergenicity in the target organ by doubleâ€blind placeboâ€controlled food challenge. Clinical and Experimental Allergy, 2005, 35, 1638-1644. | 1.4 | 57 |
| 77 | Proteomic and Immunochemical Characterization of Glutathione Transferase as a New Allergen of the Nematode Ascaris lumbricoides. PLoS ONE, 2013, 8, e78353. | 1.1 | 57 |
| 78 | Ozone affects pollen viability and NAD(P)H oxidase release from Ambrosia artemisiifolia pollen. Environmental Pollution, 2011, 159, 2823-2830. | 3.7 | 56 |
| 79 | Artemisia pollen allergy in China: Componentâ€resolved diagnosis reveals allergic asthma patients have significant multiple allergen sensitization. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 284-293. | 2.7 | 54 |
| 80 | Reduced in vivo allergenicity of Bet v 1d isoform, a natural component of birch pollenâ˜†â˜†â˜†.... Journal of Allergy and Clinical Immunology, 1999, 104, 1239-1243. | 1.5 | 53 |
| 81 | Molecular and Immunological Characterization of Profilin from Mugwort Pollen. Biological Chemistry, 2002, 383, 1779-89. | 1.2 | 53 |
| 82 | 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. | 0.9 | 53 |
| 83 | Antigen Aggregation Decides the Fate of the Allergic Immune Response. Journal of Immunology, 2010, 184, 725-735. | 0.4 | 53 |
| 84 | Reshaping the Bet v 1 fold modulates TH polarization. Journal of Allergy and Clinical Immunology, 2011, 127, 1571-1578.e9. | 1.5 | 53 |
| 85 | Sensitization Prevalence, Antibody Cross-Reactivity and Immunogenic Peptide Profile of Api g 2, the Non-Specific Lipid Transfer Protein 1 of Celery. PLoS ONE, 2011, 6, e24150. | 1.1 | 53 |
| 86 | Prevention of allergen-specific IgE production and suppression of an established Th2-type response by immunization with DNA encoding hypoallergenic allergen derivatives of Betâ€„vâ€„1, the major birch-pollen allergen. European Journal of Immunology, 2003, 33, 1667-1676. | 1.6 | 51 |
| 87 | Characterization of the protective and therapeutic efficiency of a DNA vaccine encoding the major birch pollen allergen Bet v 1a. Allergy: European Journal of Allergy and Clinical Immunology, 2004, 59, 65-73. | 2.7 | 51 |
| 88 | Multiple roles of Bet v 1 ligands in allergen stabilization and modulation of endosomal protease activity. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2382-2393. | 2.7 | 51 |
| 89 | Proteomic profiling of birch (Betula verrucosa) pollen extracts from different origins. Proteomics, 2011, 11, 1486-1498. | 1.3 | 50 |
| 90 | T cell clones specific for Bet v I, the major birch pollen allergen, crossreact with the major allergens of hazel, Cor a I, and alder, Aln g I. Molecular Immunology, 1993, 30, 1323-1329. | 1.0 | 49 |

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| 91 | Mapping the Interactions between a Major Pollen Allergen and Human IgE Antibodies. Structure, 2010, 18, 1011-1021. | 1.6 | 48 |
| 92 | Diclofenac Hypersensitivity: Antibody Responses to the Parent Drug and Relevant Metabolites. PLoS ONE, 2010, 5, e13707. | 1.1 | 48 |
| 93 | Profilin, a Novel Plant Pan-Allergen. International Archives of Allergy and Immunology, 1992, 99, 271-273. | 0.9 | 46 |
| 94 | Native Art v 1 and recombinant Art v 1 are able to induce humoral and T cell-mediated in vitro and in vivo responses in mugwort allergy. Journal of Allergy and Clinical Immunology, 2003, 111, 1328-1336. | 1.5 | 46 |
| 95 | Solution Structure, Dynamics, and Hydrodynamics of the Calcium-bound Cross-reactive Birch Pollen Allergen Bet v 4 Reveal a Canonical Monomeric Two EF-Hand Assembly with a Regulatory Function. Journal of Molecular Biology, 2004, 336, 1141-1157. | 2.0 | 45 |
| 96 | Molecular and immunological characterization of novel weed pollen panâ€allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 872-881. | 2.7 | 45 |
| 97 | Identification of Bâ€cell epitopes of Bet v 1 involved in crossâ€reactivity with food allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 647-651. | 2.7 | 45 |
| 98 | Humoral and Cellular Cross-Reactivity between Amb a 1, the Major Ragweed Pollen Allergen, and Its Mugwort Homolog Art v 6. Journal of Immunology, 2012, 188, 1559-1567. | 0.4 | 45 |
| 99 | How relevant is panallergen sensitization in the development of allergies?. Pediatric Allergy and Immunology, 2016, 27, 560-568. | 1.1 | 45 |
| 100 | Targeting the cysteine-stabilized fold of Art v 1 for immunotherapy of Artemisia pollen allergy. Molecular Immunology, 2010, 47, 1292-1298. | 1.0 | 44 |
| 101 | Pru p 3, the nonspecific lipid transfer protein from peach, dominates the immune response to its homolog in hazelnut. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 1005-1013. | 2.7 | 44 |
| 102 | Induction of IgE antibodies with predefined specificity in rhesus monkeys with recombinant birch pollen allergens, Bet v 1 and Bet v 2. Journal of Allergy and Clinical Immunology, 1996, 97, 95-103. | 1.5 | 43 |
| 103 | Isoforms of the Major Allergen of Birch Pollen Induce Different Immune Responses after Genetic Immunization. International Archives of Allergy and Immunology, 1999, 120, 17-29. | 0.9 | 43 |
| 104 | Generation of hypoallergenic DNA vaccines by forced ubiquitination: Preventive and therapeutic effects in a mouse model of allergy. Journal of Allergy and Clinical Immunology, 2006, 118, 269-276. | 1.5 | 42 |
| 105 | Characterization of recombinant Mal d 4 and its application for component-resolved diagnosis of apple allergy. Clinical and Experimental Allergy, 2006, 36, 1087-1096. | 1.4 | 42 |
| 106 | Allergy multivaccines created by DNA shuffling of tree pollen allergens. Journal of Allergy and Clinical Immunology, 2007, 120, 374-380. | 1.5 | 42 |
| 107 | Isoform identification and characterization of Art v 3, the lipid-transfer protein of mugwort pollen. Molecular Immunology, 2009, 46, 1919-1924. | 1.0 | 42 |
| 108 | Molecular Approach to Allergy Diagnosis and Therapy. Yonsei Medical Journal, 2014, 55, 839. | 0.9 | 42 |

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| 109 | Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. PLoS ONE, 2012, 7, e37156. | 1.1 | 42 |
| 110 | Calcium-Binding Proteins and Their Role in Allergic Diseases. Immunology and Allergy Clinics of North America, 2007, 27, 29-44. | 0.7 | 41 |
| 111 | Designing hypoallergenic derivatives for allergy treatment by means of in silico mutation and screening. Journal of Allergy and Clinical Immunology, 2010, 125, 926-934.e10. | 1.5 | 41 |
| 112 | Pectate Lyase Pollen Allergens: Sensitization Profiles and Cross-Reactivity Pattern. PLoS ONE, 2015, 10, e0120038. | 1.1 | 41 |
| 113 | Modified Recombinant Allergens for Safer Immunotherapy. Inflammation and Allergy: Drug Targets, 2006, 5, 5-14. | 1.8 | 40 |
| 114 | Immunologic characterization of isoforms of Car b 1 and Que a 1, the major hornbeam and oak pollen allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 452-460. | 2.7 | 40 |
| 115 | A multiâ€allergen standard for the calibration of immunoassays: CREATE principles applied to eight purified allergens. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 235-241. | 2.7 | 40 |
| 116 | Correlation of sensitizing capacity and T-cell recognition within the Bet v 1 family. Journal of Allergy and Clinical Immunology, 2015, 136, 151-158. | 1.5 | 40 |
| 117 | Allergenicity Assessment of Apple Cultivars: Hurdles in Quantifying Labile Fruit Allergens. International Archives of Allergy and Immunology, 2006, 141, 230-240. | 0.9 | 39 |
| 118 | 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. | 2.7 | 39 |
| 119 | Bet v 1 â€“ a Trojan horse for small ligands boosting allergic sensitization?. Clinical and Experimental Allergy, 2014, 44, 1083-1093. | 1.4 | 38 |
| 120 | Allergens of <b><i>Blomia tropicalis</i></b>: An Overview of Recombinant Molecules. International Archives of Allergy and Immunology, 2017, 172, 203-214. | 0.9 | 38 |
| 121 | Purification, Characterization and N-Terminal Amino Acid Sequence of a New Major Allergen from European Chestnut Pollen - Cas s 1. Biochemical and Biophysical Research Communications, 1993, 196, 1086-1092. | 1.0 | 37 |
| 122 | Induction of IgE antibodies in mice and rhesus monkeys with recombinant birch pollen allergens: Different allergenicity of Bet v 1 and Bet v 2. Journal of Allergy and Clinical Immunology, 1996, 98, 913-921. | 1.5 | 37 |
| 123 | Detection of allergen-specific IgE in tears of grass pollen-allergic patients with allergic rhinoconjunctivitis. Clinical and Experimental Allergy, 1996, 26, 79-87. | 1.4 | 36 |
| 124 | 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, 717-722. | 0.2 | 35 |
| 125 | Is Genetic Vaccination against Allergy Possible?. International Archives of Allergy and Immunology, 2006, 139, 332-345. | 0.9 | 35 |
| 126 | Characterization of plant food allergens: An overview on physicochemical and immunological techniques. Molecular Nutrition and Food Research, 2010, 54, 93-112. | 1.5 | 35 |

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| 127 | Ligand Binding Modulates the Structural Dynamics and Compactness of the Major Birch Pollen Allergen. Biophysical Journal, 2014, 107, 2972-2981. | 0.2 | 35 |
| 128 | Pollenâ€derived adenosine is a necessary cofactor for ragweed allergy. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 944-954. | 2.7 | 35 |
| 129 | Ragweed plants grown under elevated CO<sub>2</sub> levels produce pollen which elicit stronger allergic lung inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1718-1730. | 2.7 | 35 |
| 130 | The Influence of CpG Motifs on a Protein or DNA-Based Th2-Type Immune Response against Major Pollen Allergens Bet v 1a, Phl p 2 and Escherichia coli-Derived Î²-Galactosidase. International Archives of Allergy and Immunology, 2001, 124, 406-410. | 0.9 | 34 |
| 131 | Context matters: TH2 polarization resulting from pollen composition and not from protein-intrinsic allergenicity. Journal of Allergy and Clinical Immunology, 2018, 142, 984-987.e6. | 1.5 | 33 |
| 132 | Initiating pollen sensitization â€“ complex source, complex mechanisms. Clinical and Translational Allergy, 2020, 10, 36. | 1.4 | 33 |
| 133 | Ligand Binding of PR-10 Proteins with a Particular Focus on the Bet v 1 Allergen Family. Current Allergy and Asthma Reports, 2020, 20, 25. | 2.4 | 33 |
| 134 | Long-lived Th2 clones specific for seasonal and perennial allergens can be detected in blood and skin by their TCR-hypervariable regions. Journal of Immunology, 1998, 160, 2022-7. | 0.4 | 33 |
| 135 | Isoforms of Atopic Allergens with Reduced Allergenicity but Conserved T Cell Antigenicity: Possible Use for Specific Immunotherapy. International Archives of Allergy and Immunology, 1997, 113, 125-127. | 0.9 | 32 |
| 136 | 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, 359-368. | 1.4 | 31 |
| 137 | Prophylactic mRNA vaccination against allergy. Current Opinion in Allergy and Clinical Immunology, 2010, 10, 567-574. | 1.1 | 31 |
| 138 | Differences in the intrinsic immunogenicity and allergenicity of <scp>B</scp> et v 1 and related food allergens revealed by siteâ€directed mutagenesis. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 208-215. | 2.7 | 31 |
| 139 | Recombinant allergens: the future of the liagnosis and treatment of atopic allergy. Allergy: European Journal of Allergy and Clinical Immunology, 1998, 53, 62-66. | 2.7 | 30 |
| 140 | Pollen-derived nonallergenic substances enhance Th2-induced IgE production in B cells. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1450-1460. | 2.7 | 30 |
| 141 | Allergenic relevance of nonspecific lipid transfer proteins 2: Identification and characterization of Api g 6 from celery tuber as representative of a novel IgE-binding protein family. Molecular Nutrition and Food Research, 2013, 57, 2061-2070. | 1.5 | 29 |
| 142 | The alpha and beta subchain of Amb a 1, the major ragweed-pollen allergen show divergent reactivity at the IgE and T-cell level. Molecular Immunology, 2009, 46, 2090-2097. | 1.0 | 28 |
| 143 | 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, 903-909. | 0.8 | 28 |
| 144 | Expression and Characterization of Functional Recombinant Bet v 1.0101 in the Chloroplast of <b><i>Chlamydomonas reinhardtii</i></b>. International Archives of Allergy and Immunology, 2017, 173, 44-50. | 0.9 | 28 |

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