# Anna PomÃ©s

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6572615/publications.pdf

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| | | 87888 | 102487 |
|---|---|---|---|
| 122 | 4,768 | 38 | 66 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 125 | 125 | 125 | 3768 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cockroach allergens and asthma. Journal of Allergy and Clinical Immunology, 2001, 107, 419-428. | 2.9 | 232 |
| 2 | Nomenclature and structural biology ofÂallergens. Journal of Allergy and Clinical Immunology, 2007, 119, 414-420. | 2.9 | 232 |
| 3 | Recombinant allergens for diagnosis and therapy of allergic disease. Journal of Allergy and Clinical Immunology, 2000, 106, 409-418. | 2.9 | 209 |
| 4 | 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. | 5.7 | 163 |
| 5 | WHO/IUIS Allergen Nomenclature: Providing a common language. Molecular Immunology, 2018, 100, 3-13. | 2.2 | 162 |
| 6 | Distribution of peanut allergen in the environment. Journal of Allergy and Clinical Immunology, 2004, 113, 973-976. | 2.9 | 155 |
| 7 | Proteases as Th2 adjuvants. Current Allergy and Asthma Reports, 2007, 7, 363-367. | 5.3 | 132 |
| 8 | Specific IgE and IgG antibody-binding patterns to recombinant cockroach allergens. Journal of Allergy and Clinical Immunology, 2005, 115, 803-809. | 2.9 | 124 |
| 9 | Relevant B Cell Epitopes in Allergic Disease. International Archives of Allergy and Immunology, 2010, 152, 1-11. | 2.1 | 123 |
| 10 | Fel d 4, a cat lipocalin allergen. Clinical and Experimental Allergy, 2004, 34, 1732-1738. | 2.9 | 104 |
| 11 | The structure of the dust mite allergen Der p 7 reveals similarities to innate immune proteins. Journal of Allergy and Clinical Immunology, 2010, 125, 909-917.e4. | 2.9 | 99 |
| 12 | Alternaria alternata allergen Alt a 1: A unique Î²-barrel protein dimer found exclusively in fungi. Journal of Allergy and Clinical Immunology, 2012, 130, 241-247.e9. | 2.9 | 99 |
| 13 | Novel Allergen Structures with Tandem Amino Acid Repeats Derived from German and American Cockroach. Journal of Biological Chemistry, 1998, 273, 30801-30807. | 3.4 | 95 |
| 14 | Monitoring peanut allergen in food products by measuring Ara h 1. Journal of Allergy and Clinical Immunology, 2003, 111, 640-645. | 2.9 | 95 |
| 15 | Ara h 2: crystal structure and IgE binding distinguish two subpopulations of peanut allergic patients by epitope diversity. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 878-885. | 5.7 | 86 |
| 16 | Cockroach Allergen Bla g 2. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 391-397. | 5.6 | 80 |
| 17 | Crystal Structure of Cockroach Allergen Bla g 2, an Unusual Zinc Binding Aspartic Protease with a Novel Mode of Self-inhibition. Journal of Molecular Biology, 2005, 348, 433-444. | 4.2 | 80 |
| 18 | Bla g 6: A troponin C allergen from Blattella germanica with IgE binding calcium dependence. Journal of Allergy and Clinical Immunology, 2006, 117, 1389-1395. | 2.9 | 80 |

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|---|---|---|---|
| 19 | Crystal Structure of a Dimerized Cockroach Allergen Bla g 2 Complexed with a Monoclonal Antibody. Journal of Biological Chemistry, 2008, 283, 22806-22814. | 3.4 | 80 |
| 20 | Crystal Structures of Mite Allergens Der f 1 and Der p 1 Reveal Differences in Surface-Exposed Residues that May Influence Antibody Binding. Journal of Molecular Biology, 2009, 386, 520-530. | 4.2 | 79 |
| 21 | Molecular Determinants for Antibody Binding on Group 1 House Dust Mite Allergens. Journal of Biological Chemistry, 2012, 287, 7388-7398. | 3.4 | 75 |
| 22 | Serological, genomic and structural analyses of the major mite allergen Der p 23. Clinical and Experimental Allergy, 2016, 46, 365-376. | 2.9 | 69 |
| 23 | Cockroach allergen Bla g 2: An unusual aspartic proteinase. Journal of Allergy and Clinical Immunology, 2005, 116, 140-145. | 2.9 | 65 |
| 24 | Adenosine: A Partial Agonist of the Growth Hormone Secretagogue Receptor. Biochemical and Biophysical Research Communications, 2000, 276, 1306-1313. | 2.1 | 64 |
| 25 | The novel structure of the cockroach allergen Bla g 1 has implications for allergenicity and exposure assessment. Journal of Allergy and Clinical Immunology, 2013, 132, 1420-1426.e9. | 2.9 | 64 |
| 26 | Identification of Maillard reaction products on peanut allergens that influence binding to the receptor for advanced glycation end products. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 1546-1554. | 5.7 | 63 |
| 27 | New Insights into Cockroach Allergens. Current Allergy and Asthma Reports, 2017, 17, 25. | 5.3 | 63 |
| 28 | Indoor Allergens and Allergic Respiratory Disease. Current Allergy and Asthma Reports, 2016, 16, 43. | 5.3 | 61 |
| 29 | Analysis of T Cell Responses to the Major Allergens from German Cockroach: Epitope Specificity and Relationship to IgE Production. Journal of Immunology, 2012, 189, 679-688. | 0.8 | 59 |
| 30 | Air pollution and indoor settings. World Allergy Organization Journal, 2021, 14, 100499. | 3.5 | 59 |
| 31 | Proteomic and Immunochemical Characterization of Glutathione Transferase as a New Allergen of the Nematode Ascaris lumbricoides. PLoS ONE, 2013, 8, e78353. | 2.5 | 57 |
| 32 | Molecular cloning of Per a 1 and definition of the cross-reactive Group 1 cockroach allergens. Journal of Allergy and Clinical Immunology, 1999, 103, 859-864. | 2.9 | 56 |
| 33 | Investigating cockroach allergens: Aiming to improve diagnosis and treatment of cockroach allergic patients. Methods, 2014, 66, 75-85. | 3.8 | 55 |
| 34 | Der p 5 Crystal Structure Provides Insight into the Group 5 Dust Mite Allergens. Journal of Biological Chemistry, 2010, 285, 25394-25401. | 3.4 | 52 |
| 35 | Analysis of glutathione S-transferase allergen cross-reactivity in a North American population: RelevanceÂfor molecular diagnosis. Journal of Allergy and Clinical Immunology, 2015, 136, 1369-1377. | 2.9 | 52 |
| 36 | Molecular cloning, expression and modelling of cat allergen, cystatin (Fel d 3), a cysteine protease inhibitor. Clinical and Experimental Allergy, 2001, 31, 1279-1286. | 2.9 | 50 |

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|---|---|---|---|
| 37 | The Mechanism for Hexachlorocyclohexane-Induced Cytotoxicity and Changes in Intracellular Ca2+Homeostasis in Cultured Cerebellar Granule Neurons Is Different for the Î³- and Î´-Isomers. Toxicology and Applied Pharmacology, 1997, 142, 31-39. | 2.8 | 49 |
| 38 | A molecular perspective on TH2-promoting cytokine receptors in patients with allergic disease. Journal of Allergy and Clinical Immunology, 2014, 133, 952-960.e1. | 2.9 | 47 |
| 39 | Allergen content in German cockroach extracts and sensitization profiles to a new expanded set of cockroach allergens determine inÂvitro extract potency for IgE reactivity. Journal of Allergy and Clinical Immunology, 2019, 143, 1474-1481.e8. | 2.9 | 39 |
| 40 | Cockroach Allergens: Function, Structure and Allergenicity. Protein and Peptide Letters, 2007, 14, 960-969. | 0.9 | 38 |
| 41 | The allergenic activity and clinical impact of individual IgE-antibody binding molecules from indoor allergen sources. World Allergy Organization Journal, 2020, 13, 100118. | 3.5 | 38 |
| 42 | Analysis of cytokine production by peanutâ€reactive T cells identifies residual Th2 effectors in highly allergic children who received peanut oral immunotherapy. Clinical and Experimental Allergy, 2015, 45, 1201-1213. | 2.9 | 37 |
| 43 | Carbohydrates Contribute to the Interactions between Cockroach Allergen Bla g 2 and a Monoclonal Antibody. Journal of Immunology, 2011, 186, 333-340. | 0.8 | 36 |
| 44 | Allergens and their associated small molecule ligandsâ€”their dual role in sensitization. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2367-2382. | 5.7 | 36 |
| 45 | Carbohydrate epitopes currently recognized as targets for IgE antibodies. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2383-2394. | 5.7 | 36 |
| 46 | Cockroach allergens: Environmental distribution and relationship to disease. Current Allergy and Asthma Reports, 2001, 1, 466-473. | 5.3 | 35 |
| 47 | Peanut Allergen (Ara h 1) Detection in Foods Containing Chocolate. Journal of Food Protection, 2004, 67, 793-798. | 1.7 | 35 |
| 48 | Allergic sensitization: screening methods. Clinical and Translational Allergy, 2014, 4, 13. | 3.2 | 34 |
| 49 | Mechanisms of Allergen-Antibody Interaction of Cockroach Allergen Bla g 2 with Monoclonal Antibodies That Inhibit IgE Antibody Binding. PLoS ONE, 2011, 6, e22223. | 2.5 | 33 |
| 50 | Efficacy of Recombinant Allergens for Diagnosis of Cockroach Allergy in Patients with Asthma and/or Rhinitis. International Archives of Allergy and Immunology, 2013, 161, 213-219. | 2.1 | 33 |
| 51 | 100ÂYears later: Celebrating the contributions of x-ray crystallography to allergy and clinical immunology. Journal of Allergy and Clinical Immunology, 2015, 136, 29-37.e10. | 2.9 | 33 |
| 52 | Inhibition of binding by convulsant agents in primary cultures of cerebellar neurons. Developmental Brain Research, 1993, 73, 85-90. | 1.7 | 32 |
| 53 | Recombinant Allergens for Diagnosis of Cockroach Allergy. Current Allergy and Asthma Reports, 2014, 14, 428. | 5.3 | 32 |
| 54 | Circulating Memory CD4+ T Cells Target Conserved Epitopes of Rhinovirus Capsid Proteins and Respond Rapidly to Experimental Infection in Humans. Journal of Immunology, 2016, 197, 3214-3224. | 0.8 | 32 |

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|---|---|---|---|
| 55 | Cockroach allergen component analysis of children with or without asthma and rhinitis in an inner-city birth cohort. Journal of Allergy and Clinical Immunology, 2019, 144, 935-944. | 2.9 | 31 |
| 56 | IgE reactivity of tandem repeats derived from cockroach allergen, Blaâ€ƒgâ€ƒ1. FEBS Journal, 2002, 269, 3086-3092. | 0.2 | 30 |
| 57 | Quantification of Ara h 1 in peanuts: why roasting makes a difference. Clinical and Experimental Allergy, 2006, 36, 824-830. | 2.9 | 30 |
| 58 | Allosteric interactions between Î³-aminobutyric acid, benzodiazepine and picrotoxinin binding sites in primary cultures of cerebellar granule cells. Differential effects induced by Î³- and Î´-hexachlorocyclohexane. European Journal of Pharmacology, 1997, 319, 343-353. | 3.5 | 29 |
| 59 | Structural Aspects of the Allergen-Antibody Interaction. Frontiers in Immunology, 2020, 11, 2067. | 4.8 | 29 |
| 60 | Human IgE mAbs define variability in commercial Aspergillus extract allergen composition. JCI Insight, 2018, 3, . | 5.0 | 28 |
| 61 | Intrinsic properties of allergens and environmental exposure as determinants of allergenicity*. Allergy: European Journal of Allergy and Clinical Immunology, 2002, 57, 673-679. | 5.7 | 27 |
| 62 | Structural Analysis of Der p 1â€“Antibody Complexes and Comparison with Complexes of Proteins or Peptides with Monoclonal Antibodies. Journal of Immunology, 2015, 195, 307-316. | 0.8 | 23 |
| 63 | Mapping Human Monoclonal IgE Epitopes on the Major Dust Mite Allergen Der p 2. Journal of Immunology, 2020, 205, 1999-2007. | 0.8 | 21 |
| 64 | Antigenic Determinants of the Bilobal Cockroach Allergen Bla g 2. Journal of Biological Chemistry, 2016, 291, 2288-2301. | 3.4 | 20 |
| 65 | Antigenic Determinants of Der p 1: Specificity and Cross-Reactivity Associated with IgE Antibody Recognition. Journal of Immunology, 2017, 198, 1334-1344. | 0.8 | 20 |
| 66 | Allergen structures and biologic functions: The cutting edge of allergy research. Current Allergy and Asthma Reports, 2008, 8, 425-432. | 5.3 | 19 |
| 67 | Validation of a Phage Display and Computational Algorithm by Mapping a Conformational Epitope of Bla g 2. International Archives of Allergy and Immunology, 2012, 157, 323-330. | 2.1 | 19 |
| 68 | A Human IgE Antibody Binding Site on Der p 2 for the Design of a Recombinant Allergen for Immunotherapy. Journal of Immunology, 2019, 203, 2545-2556. | 0.8 | 19 |
| 69 | Variability in German Cockroach Extract Composition Greatly Impacts T Cell Potency in Cockroach-Allergic Donors. Frontiers in Immunology, 2019, 10, 313. | 4.8 | 19 |
| 70 | 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 |
| 71 | Identification of a Novel Cat Allergen â€“ Cystatin. International Archives of Allergy and Immunology, 2001, 124, 55-56. | 2.1 | 17 |
| 72 | Strategies to Query and Display Allergy-Derived Epitope Data from the Immune Epitope Database. International Archives of Allergy and Immunology, 2013, 160, 334-345. | 2.1 | 16 |

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|---|---|---|---|
| 73 | Technological Innovations for High-Throughput Approaches to In Vitro Allergy Diagnosis. Current Allergy and Asthma Reports, 2015, 15, 36. | 5.3 | 16 |
| 74 | Keeping Allergen Names Clear and Defined. Frontiers in Immunology, 2019, 10, 2600. | 4.8 | 16 |
| 75 | Every Cockroach Is Beautiful to Its Mother. International Archives of Allergy and Immunology, 2013, 161, 289-292. | 2.1 | 15 |
| 76 | Interfaces Between Allergen Structure and Diagnosis: Know Your Epitopes. Current Allergy and Asthma Reports, 2015, 15, 506. | 5.3 | 15 |
| 77 | Are dust mite allergens more abundant and/or more stable than other Dermatophagoides pteronyssinus proteins?. Journal of Allergy and Clinical Immunology, 2017, 139, 1030-1032.e1. | 2.9 | 15 |
| 78 | Development of COVID-19 vaccine using a dual Toll-like receptor ligand liposome adjuvant. Npj Vaccines, 2021, 6, 137. | 6.0 | 15 |
| 79 | Cockroach and other inhalant insect allergens. Clinical Allergy and Immunology, 2008, 21, 183-200. | 0.7 | 12 |
| 80 | Solubilization and Characterization of a Growth Hormone Secretagogue Receptor from Porcine Anterior Pituitary Membranes. Biochemical and Biophysical Research Communications, 1996, 225, 939-945. | 2.1 | 11 |
| 81 | Human IgE monoclonal antibody recognition of mite allergen Der p 2 defines structural basis of an epitope for IgE cross-linking and anaphylaxis in vivo. , 2022, 1, . | | 11 |
| 82 | Can knowledge of the molecular structure of allergens improve immunotherapy?. Current Opinion in Allergy and Clinical Immunology, 2001, 1, 549-554. | 2.3 | 10 |
| 83 | Molecular cloning and expression of Cro s 1: an occupational allergen from saffron pollen (Crocus) Tj ETQq1 1 0.784314 rgBT /Overlo | 1.4 | 9 |
| 84 | Cloning and characterization of tropomyosin from the mite Chortoglyphus arcuatus. Molecular Immunology, 2015, 68, 634-640. | 2.2 | 8 |
| 85 | Functional Properties of Cloned Allergens from Dust Mite, Cockroach, and Cat. Allergy and Clinical Immunology International, 2001, 13, 0162-0169. | 0.3 | 8 |
| 86 | Cockroach and other inhalant insect allergens. , 2020, , 237-255. | | 8 |
| 87 | New Frontiers: Precise Editing of Allergen Genes Using CRISPR. Frontiers in Allergy, 2021, 2, 821107. | 2.8 | 7 |
| 88 | Characterization of an anti-Bla g 1 scFv: Epitope mapping and cross-reactivity. Molecular Immunology, 2014, 59, 200-207. | 2.2 | 6 |
| 89 | Structural Analysis of Recent Allergen-Antibody Complexes and Future Directions. Current Allergy and Asthma Reports, 2019, 19, 17. | 5.3 | 6 |
| 90 | Heterogeneity of magnitude, allergen immunodominance, and cytokine polarization of cockroach allergenâ€specific T cell responses in allergic sensitized children. Clinical and Translational Allergy, 2021, 11, e12073. | 3.2 | 6 |

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| 91 | Molecular Biology of Indoor Allergens. Clinical Reviews in Allergy and Immunology, 2000, 18, 265-284. | 6.5 | 5 |
| 92 | Crossâ€reactivity in allergy: A doubleâ€edged sword. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 9-11. | 5.7 | 4 |
| 93 | IgE and T Cell Reactivity to a Comprehensive Panel of Cockroach Allergens in Relation to Disease. Frontiers in Immunology, 2020, 11, 621700. | 4.8 | 4 |
| 94 | Source characterization and molecular structure of cockroach allergens. Revue Francaise D'allergologie Et D'immunologie Clinique, 1998, 38, 842-845. | 0.1 | 3 |
| 95 | Molecular Structure of Cockroach Allergens. International Archives of Allergy and Immunology, 2001, 124, 87-89. | 2.1 | 1 |
| 96 | Cockroach Allergen Bla g 2 Dimerizes in a Crystal Complex with an Antibody Fragment. Journal of Allergy and Clinical Immunology, 2007, 119, S104. | 2.9 | 1 |
| 97 | Mapping of Antigenic Determinants on Bla g 2 surface. Journal of Allergy and Clinical Immunology, 2007, 119, S105. | 2.9 | 1 |
| 98 | The Der p 7 Crystal Structure Reveals Similarities to Innate Immune Proteins. Journal of Allergy and Clinical Immunology, 2010, 125, AB188. | 2.9 | 1 |
| 99 | Structural Analysis Reveals Molecular Basis for Interactions of Group 1 Allergens with Species Specific and Cross-Reactive Antibodies. Journal of Allergy and Clinical Immunology, 2013, 131, AB15. | 2.9 | 1 |
| 100 | Antigenic Determinants On Der p 1 Identified By Mutagenesis Analysis Based On The Structure Of Allergen-Antibody Complexes. Journal of Allergy and Clinical Immunology, 2014, 133, AB164. | 2.9 | 1 |
| 101 | Analysis of GST Allergen Cross-Reactivity in a North American Population for Molecular Diagnosis. Journal of Allergy and Clinical Immunology, 2015, 135, AB187. | 2.9 | 1 |
| 102 | Structural, Serological, and Genomic Analyses of the Major Mite Allergen Der p 23. Journal of Allergy and Clinical Immunology, 2016, 137, AB267. | 2.9 | 1 |
| 103 | First Naturally Occurring Human IgE Antibody Against Mite Allergen Der p 2. Journal of Allergy and Clinical Immunology, 2017, 139, AB260. | 2.9 | 1 |
| 104 | Variability in German Cockroach Extract Composition Has A Great Impact On T Cell Potency In Cockroach-Allergic Donors. Journal of Allergy and Clinical Immunology, 2018, 141, AB199. | 2.9 | 1 |
| 105 | Molecular Biology of Allergens: Structure and Immune Recognition. , 2009, , 265-289. | | 1 |
| 106 | Target size analysis of an avermectin binding site from Drosophila melanogaster. BBA - Proteins and Proteomics, 1997, 1339, 233-238. | 2.1 | 0 |
| 107 | 847 Expression of a recombinant German cockroach allergen Bla g 1 with IgE reactivity comparable to the natural allergen. Journal of Allergy and Clinical Immunology, 2000, 105, S288-S289. | 2.9 | 0 |
| 108 | Allergen-specific monoclonal antibodies directed against the major peanut allergens Ara h 1 and Ara h 2. Journal of Allergy and Clinical Immunology, 2002, 109, S286-S286. | 2.9 | 0 |

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|---|---|---|---|
| 109 | Validation of Phage Display and Computational Algorithm for Mapping Conformational Ige Epitopes. Journal of Allergy and Clinical Immunology, 2008, 121, S213-S213. | 2.9 | 0 |
| 110 | American Cockroach Allergen rPer a 3 Expressed in Pichia pastoris. Journal of Allergy and Clinical Immunology, 2010, 125, AB146. | 2.9 | 0 |
| 111 | IgE Antibody Binding Sites On Mite Group I Allergens Defined By X-ray Crystallography And Site-directed Mutagenesis. Journal of Allergy and Clinical Immunology, 2011, 127, AB265-AB265. | 2.9 | 0 |
| 112 | Mapping antigenic determinants for the design of immunotherapeutic tools for allergic disease. Clinical Biochemistry, 2011, 44, S21. | 1.9 | 0 |
| 113 | Human Basophils Express Novel TSLPR Variants Including a Putative Secreted Form. Journal of Allergy and Clinical Immunology, 2013, 131, AB102. | 2.9 | 0 |
| 114 | Strategies to Query and Display Allergy-Derived Epitope Data From the Immune Epitope Database (IEDB). Journal of Allergy and Clinical Immunology, 2013, 131, AB209. | 2.9 | 0 |
| 115 | The Cockroach Allergen Bla g 1 Forms Alpha Helical Capsules with an Internal Lipid Binding Cavity: Implications for Allergenicity. Journal of Allergy and Clinical Immunology, 2013, 131, AB16. | 2.9 | 0 |
| 116 | De Novo Creation of an Antibody Binding Epitope On Group 1 Mite Allergens. Journal of Allergy and Clinical Immunology, 2013, 131, AB16. | 2.9 | 0 |
| 117 | Reply. Journal of Allergy and Clinical Immunology, 2014, 134, 762-763. | 2.9 | 0 |
| 118 | Epitope Mapping Of An Anti-Bla g 1 ScFv Used For Cockroach Allergen Quantitation. Journal of Allergy and Clinical Immunology, 2014, 133, AB100. | 2.9 | 0 |
| 119 | Antigenic Analysis Of The Major Cockroach Allergen Bla g 5 and Its Dust Mite Homolog Der p 8. Journal of Allergy and Clinical Immunology, 2014, 133, AB100. | 2.9 | 0 |
| 120 | Bla g 2 Hypoallergens Retaining the Native Fold and Capacity to Modulate T Cell Reactivity Provide Candidates for Cockroach Immunotherapy. Journal of Allergy and Clinical Immunology, 2015, 135, AB165. | 2.9 | 0 |
| 121 | Potency Of German Cockroach Extracts For IgE Reactivity Depends On Allergen Content And Allergen-specific IgE Titers Of The Cockroach Allergic Patient. Journal of Allergy and Clinical Immunology, 2018, 141, AB108. | 2.9 | 0 |
| 122 | Allergens. , 2016, , 281-289. | | 0 |