Luis Caraballo

List of Publications by Year
in descending order

105	4,512	109321 35	114465 63
papers	citations	h-index	g-index

109	109	109	5035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EAACI Molecular Allergology User's Guide. Pediatric Allergy and Immunology, 2016, 27, 1-250.	2.6	642
2	The biodiversity hypothesis and allergic disease: world allergy organization position statement. World Allergy Organization Journal, 2013, 6, 3.	3.5	282
3	Next-generation Allergic Rhinitis and Its Impact on Asthma (ARIA) guidelines for allergic rhinitis based on Grading of Recommendations Assessment, Development and Evaluation (GRADE) and real-world evidence. Journal of Allergy and Clinical Immunology, 2020, 145, 70-80.e3.	2.9	272
4	A continuum of admixture in the Western Hemisphere revealed by the African Diaspora genome. Nature Communications, 2016, 7, 12522.	12.8	136
5	Prevalence of asthma and other allergic conditions in Colombia 2009â€“2010: a cross-sectional study. BMC Pulmonary Medicine, 2012, 12, 17.	2.0	133
6	Mite fauna, Der p I, Der f I and Blomia tropicalis allergen levels in a tropical environment. Clinical and Experimental Allergy, 1993, 23, 292-297.	2.9	112
7	Particularities of allergy in the Tropics. World Allergy Organization Journal, 2016, 9, 20.	3.5	101
8	IgE crossâ€reactivity between Ascaris and domestic mite allergens: the role of tropomyosin and the nematode polyprotein ABAâ€1. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1635-1643.	5.7	96
9	House Dust Mite Allergy Under Changing Environments. Allergy, Asthma and Immunology Research, 2019, 11, 450.	2.9	94
10	Risk and safety requirements for diagnostic and therapeutic procedures in allergology: World Allergy Organization Statement. World Allergy Organization Journal, 2016, 9, 33.	3.5	87
11	Asthma and other allergic conditions in Colombia: a study in 6 cities. Annals of Allergy, Asthma and Immunology, 2004, 93, 568-574.	1.0	82
12	Perinatal and Early-Life Nutrition, Epigenetics, and Allergy. Nutrients, 2021, 13, 724.	4.1	82
13	International consensus (ICON) on: clinical consequences of mite hypersensitivity, a global problem. World Allergy Organization Journal, 2017, 10, 14.	3.5	80
14	A WAO â€” ARIA â€” GA2LEN consensus document on molecular-based allergy diagnosis (PAMD@): Update 2020. World Allergy Organization Journal, 2020, 13, 100091.	3.5	76
15	Severe asthma and quality of life. World Allergy Organization Journal, 2017, 10, 28.	3.5	63
16	Serum amyloid A is a soluble pattern recognition receptor that drives type 2 immunity. Nature Immunology, 2020, 21, 756-765.	14.5	63
17	Cloning and IgE Binding of a Recombinant Allergen from the Mite <i>Blomia tropicalis</i>, Homologous with Fatty Acid-Binding Proteins. International Archives of Allergy and Immunology, 1997, 112, 341-347.	2.1	62
18	African ancestry is associated with risk of asthma and high total serum IgE in a population from the Caribbean Coast of Colombia. Human Genetics, 2009, 125, 565-579.	3.8	62

#	Article	IF	Citations
19	IgE responses to Ascaris and mite tropomyosins are risk factors for asthma. Clinical and Experimental Allergy, 2015, 45, 1189-1200.	2.9	62
20	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.	2.1	58
21	Mites and Allergy. Chemical Immunology and Allergy, 2014, 100, 234-242.	1.7	58
22	IgE crossâ€reactivity between Ascaris lumbricoides and mite allergens: possible influences on allergic sensitization and asthma. Parasite Immunology, 2011, 33, 309-321.	1.5	57
23	Proteomic and Immunochemical Characterization of Glutathione Transferase as a New Allergen of the Nematode Ascaris lumbricoides. PLoS ONE, 2013, 8, e78353.	2.5	57
24	Identification of allergens from the miteBlomia tropicalis. Clinical and Experimental Allergy, 1994, 24, 1056-1060.	2.9	52
25	The IgE response to Ascaris molecular components is associated with clinical indicators of asthma severity. World Allergy Organization Journal, 2015, 8, 8.	3.5	52
26	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
27	Gene Encoding Duffy Antigen/Receptor for Chemokines Is Associated with Asthma and IgE in Three Populations. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1017-1022.	5.6	51
28	Association between total immunoglobulin E and antibody responses to naturally acquired Ascaris lumbricoides infection and polymorphisms of immune system-related LIG4, TNFSF13B and IRS2 genes. Clinical and Experimental Immunology, 2009, 157, 282-290.	2.6	49
29	African Ancestry is a Risk Factor for Asthma and High Total IgE Levels in African Admixed Populations. Genetic Epidemiology, 2013, 37, 393-401.	1.3	46
30	ARIA digital anamorphosis: Digital transformation of health and care in airway diseases from research to practice. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 168-190.	5.7	46
31	Nucleotide sequence analysis of a complementary DNA coding for a Blomia tropicalis allergen. Journal of Allergy and Clinical Immunology, 1996, 98, 932-937.	2.9	45
32	Particular characteristics of allergic symptoms in tropical environments: follow up to 24 months in the FRAAT birth cohort study. BMC Pulmonary Medicine, 2012, 12, 13.	2.0	43
33	Sensitization to mite allergens and acute asthma in a tropical environment. Journal of Investigational Allergology and Clinical Immunology, 1998, 8, 281-4.	1.3	43
34	Health care costs and resource utilization for different asthma severity stages in Colombia: a claims data analysis. World Allergy Organization Journal, 2018, 11, 26.	3.5	40
35	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
36	A recombinant cystatin from Ascaris lumbricoides attenuates inflammation of DSSâ€induced colitis. Parasite Immunology, 2017, 39, e12425.	1.5	36

#	Article	IF	Citations
37	A Six-SNP Haplotype of <i>ADAM33 </i>Is Associated with Asthma in a Population of Cartagena, Colombia. International Archives of Allergy and Immunology, 2010, 152, 32-40.	2.1	34
38	The A-444C polymorphism in the leukotriene C4 synthase gene is associated with aspirin-induced urticaria. Journal of Investigational Allergology and Clinical Immunology, 2009, 19, 375-82.	1.3	34
39	Sensitization to Chortoglyphus arcuatus and Aleuroglyphus ovatus in Dermatophagoides spp. allergic individuals. Clinical and Experimental Allergy, 1993, 23, 117-123.	2.9	33
40	Ascaris Suum Infection Downregulates Inflammatory Pathways in the Pig Intestine In Vivo and in Human Dendritic Cells In Vitro. Journal of Infectious Diseases, 2018, 217, 310-319.	4.0	32
41	Structural and Ligand Binding Analysis of Recombinant Blo t 13 Allergen from Blomia tropicalis Mite, a Fatty Acid Binding Protein. International Archives of Allergy and Immunology, 1999, 119, 181-184.	2.1	31
42	Sequential determinations of. Journal of Allergy and Clinical Immunology, 1996, 97, 689-691.	2.9	30
43	Immunological characterization of a Blo t 12 isoallergen: identification of immunoglobulin E epitopes. Clinical and Experimental Allergy, 2009, 39, 608-616.	2.9	30
44	The Influence of Chitin on the Immune Response to the House Dust Mite Allergen Blo t 12. International Archives of Allergy and Immunology, 2014, 163, 119-129.	2.1	30
45	Are the Terms Major and Minor Allergens Useful for Precision Allergology?. Frontiers in Immunology, 2021, 12, 651500.	4.8	30
46	Early life <scp>I</scp>g<scp>E</scp> responses in children living in the tropics: A prospective analysis. Pediatric Allergy and Immunology, 2013, 24, 788-797.	2.6	29
47	Cutaneous sensitivity to six mite species in asthmatic patients from five Latin American countries. Journal of Investigational Allergology and Clinical Immunology, 1993, 3, 245-9.	1.3	29
48	Analysis of the Crossâ€“Reactivity between BtM and Der p 5, Two Group 5 Recombinant Allergens from Blomia tropicalis and Dermatophagoides pteronyssinus. International Archives of Allergy and Immunology, 1998, 117, 38-45.	2.1	28
49	Cloning and expression of complementary DNA coding for an allergen with common antibody-binding specificities with three allergens of the house dust mite Blomia tropicalisâ˜†, â˜†â˜†, â˜…, â˜…â˜…. Journal of Allergy and Clinical Immunology, 1996, 98, 573-579.	2.9	27
50	Mite allergy in the tropics: sensitization to six domestic mite species in Cartagena, Colombia. Journal of Investigational Allergology and Clinical Immunology, 1993, 3, 198-204.	1.3	27
51	Importance of including Blomia tropicalis in the routine diagnosis of Venezuelan patients with persistent allergic symptoms. Allergy: European Journal of Allergy and Clinical Immunology, 2004, 59, 753-757.	5.7	26
52	Allergy in the tropics the impact of cross-reactivity between mites and ascaris. Frontiers in Bioscience - Elite, 2011, E3, 51-64.	1.8	26
53	A NOS1 Gene Polymorphism Associated with Asthma and Specific Immunoglobulin E Response to Mite Allergens in a Colombian Population. International Archives of Allergy and Immunology, 2007, 144, 105-113.	2.1	25
54	Ascaris lumbricoides infection induces both, reduction and increase of asthma symptoms in a rural community. Acta Tropica, 2018, 187, 1-4.	2.0	25

#	Article	IF	Citations
55	Increased total and mite-specific immunoglobulin E in patients with aspirin-induced urticaria and angioedema. Journal of Investigational Allergology and Clinical Immunology, 2010, 20, 139-45.	1.3	25
56	New Allergens of Relevance in Tropical Regions: The Impact of Ascaris lumbricoides Infections. World Allergy Organization Journal, 2011, 4, 77-84.	3.5	24
57	Ascaris lumbricoides Cystatin Prevents Development of Allergic Airway Inflammation in a Mouse Model. Frontiers in Immunology, 2019, 10, 2280.	4.8	24
58	Asthma Mortality in Colombia. Annals of Allergy, Asthma and Immunology, 1998, 80, 55-60.	1.0	23
59	The A-444C polymorphism of leukotriene C4 synthase gene is associated with IgE antibodies to Dermatophagoides pteronyssinus in a Colombian population. Journal of Allergy and Clinical Immunology, 2007, 119, 505-507.	2.9	23
60	Association of Gâ€proteinâ€coupled receptor 154 with asthma and total IgE in a population of the Caribbean coast of Colombia. Clinical and Experimental Allergy, 2009, 39, 1558-1568.	2.9	23
61	Parasite allergens. Molecular Immunology, 2018, 100, 113-119.	2.2	23
62	Allergenic composition of the miteSuidasia medanensisand cross-reactivity withBlomia tropicalis. Allergy: European Journal of Allergy and Clinical Immunology, 2005, 60, 41-47.	5.7	21
63	The tropics, helminth infections and hygiene hypotheses. Expert Review of Clinical Immunology, 2018, 14, 99-102.	3.0	21
64	Y chromosome STR haplotypes in the Caribbean city of Cartagena (Colombia). Forensic Science International, 2007, 167, 62-69.	2.2	20
65	Ascariasis as a model to study the helminth/allergy relationships. Parasite Immunology, 2019, 41, e12595.	1.5	19
66	Identification and Characterization of IgE-Binding Tropomyosins in <i>Aedes aegypti</i>. International Archives of Allergy and Immunology, 2016, 170, 46-56.	2.1	19
67	Prevalence of asthma in a tropical city of Colombia. Annals of Allergy, 1992, 68, 525-9.	0.5	19
68	Hygienic conditions influence sensitization to Blomia tropicalis allergenic components: Results from the FRAAT birth cohort. Pediatric Allergy and Immunology, 2019, 30, 172-178.	2.6	17
69	Gut microbiota components are associated with fixed airway obstruction in asthmatic patients living in the tropics. Scientific Reports, 2018, 8, 9582.	3.3	16
70	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseasesâ€"Meeting Report (Part 2). Journal of Thoracic Disease, 2019, 11, 4072-4084.	1.4	15
71	Allergens involved in the cross-reactivity of Aedes aegypti with other arthropods. Annals of Allergy, Asthma and Immunology, 2017, 118, 710-718.	1.0	14
72	A novel promoter polymorphism in the gene encoding complement component 5 receptor 1 on chromosome 19q13.3 is not associated with asthma and atopy in three independent populations. Clinical and Experimental Allergy, 2004, 34, 736-744.	2.9	13

#	Article	IF	Citations
73	Life-cycle of Suidasia medanensis (=pontifica) (Acari: Suidasiidae) under laboratory conditions in a tropical environment. Experimental and Applied Acarology, 2001, 25, 751-755.	1.6	12
74	Human Ascariasis Increases the Allergic Response and Allergic Symptoms. Current Tropical Medicine Reports, 2015, 2, 224-232.	3.7	12
75	Proanthocyanidins inhibit Ascaris suum glutathione-S-transferase activity and increase susceptibility of larvae to levamisole in vitro. Parasitology International, 2016, 65, 336-339.	1.3	12
76	An Engineered Hybrid Protein from Dermatophagoides pteronyssinus Allergens Shows Hypoallergenicity. International Journal of Molecular Sciences, 2019, 20, 3025.	4.1	12
77	Genetic Variants in CHIA and CHI3L1 Are Associated with the IgE Response to the Ascaris Resistance Marker ABA-1 and the Birch Pollen Allergen Bet v 1. PLoS ONE, 2016, 11, e0167453.	2.5	12
78	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseasesâ€"Meeting Report (Part 1). Journal of Thoracic Disease, 2019, 11, 3633-3642.	1.4	11
79	Identification of B Cell Epitopes of Blo t 13 Allergen and Cross-Reactivity with Human Adipocytes and Heart Fatty Acid Binding Proteins. International Journal of Molecular Sciences, 2019, 20, 6107.	4.1	11
80	Sequential determinations of Dermatophagoides spp. allergens in a tropical city. Journal of Investigational Allergology and Clinical Immunology, 1996, 6, 98-102.	1.3	11
81	Mite allergens. Expert Review of Clinical Immunology, 2017, 13, 297-299.	3.0	10
82	Characterization of a hybrid protein designed with segments of allergens from Blomia tropicalis and Dermatophagoides pteronyssinus. Immunology Letters, 2018, 196, 103-112.	2.5	10
83	IgE Levels to Ascaris and House Dust Mite Allergens Are Associated With Increased Histone Acetylation at Key Type-2 Immune Genes. Frontiers in Immunology, 2020, 11, 756.	4.8	10
84	Monoclonal Antibodies against Blo t 13, a Recombinant Allergen from <i>Blomia tropicalis</i>. International Archives of Allergy and Immunology, 2002, 129, 212-218.	2.1	9
85	Structural and allergenic properties of the fatty acid binding protein from shrimp Litopenaeus vannamei. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1534-1544.	5.7	9
86	Costâ€effectiveness of the subcutaneous house dust mite allergen immunotherapy plus pharmacotherapy for allergic asthma: A mathematical model. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2229-2233.	5.7	8
87	HLA-B27 subtypes in patients with ankylosing spondylitis (As) in Colombia. Revista De Investigacion Clinica, 1999, 51, 221-6.	0.4	8
88	Helminth-derived cystatins: the immunomodulatory properties of an Ascaris lumbricoides cystatin. Parasitology, 2021, 148, 1744-1756.	1.5	7
89	Ascaris and Allergy. , 2013, , 21-50.		6
90	The strength of the antibody response to the nematode Ascaris lumbricoides inversely correlates with levels of B-Cell Activating Factor (BAFF). BMC Immunology, 2014, 15, 22.	2.2	6

#	Article	IF	Citations
91	The C-509T Promoter Polymorphism of the Transforming Growth Factor Beta-1 Gene Is Associated with Levels of Total and Specific IgE in a Colombian Population. International Archives of Allergy and Immunology, 2010, 151, 237-246.	2.1	5
92	Identification and Physicochemical Characterization of a New Allergen from Ascaris lumbricoides. International Journal of Molecular Sciences, 2020, 21, 9761.	4.1	5
93	Autosomic STR population data in two Caribbean samples from Colombia. Forensic Science International, 2005, 152, 79-81.	2.2	4
94	Allergological Importance of Invertebrate Glutathione Transferases in Tropical Environments. Frontiers in Allergy, 2021, 2, 695262.	2.8	4
95	Analysis of STR loci in Cartagena, a Caribbean city of Colombia. Forensic Science International, 2006, 160, 221-223.	2.2	3
96	The Prevalence of IgE Antibodies to Ascaris in Asthmatic Patients Living in a Tropical Environment. Journal of Allergy and Clinical Immunology, 2007, 119, S210.	2.9	3
97	Blo t 13 allergen from Blomia tropicalis shows high frequency of IgE binding in allergic cuban patients and cross-reactivity with Dermatophagoides siboney extract. Journal of Allergy and Clinical Immunology, 2003, 111, S325.	2.9	2
98	The evolution of the Th2 immune responses and its relationships with parasitic diseases and allergy. Biomedica, 2011, 32, .	0.7	2
99	Description of a New Allergenic Member of the Glutathione Transferase (GST) Family from Ascaris with Omega-Class Features. Journal of Allergy and Clinical Immunology, 2018, 141, AB176.	2.9	2
100	Evaluation of the allergenic activity of the Glutathione Transferase from Blomia tropicalis (Blo t 8) in a mouse model of airway inflammation. Journal of Allergy and Clinical Immunology, 2019, 143, AB187.	2.9	2
101	Genotyping of Ascaris spp. infecting humans and pigs in Italy, Slovakia and Colombia. Infection, Genetics and Evolution, 2021, 94, 104997.	2.3	2
102	Personalized medicine for asthma in tropical regions. Current Opinion in Allergy and Clinical Immunology, 2020, 20, 268-273.	2.3	2
103	Genetic Data Analysis of Nine STRs in Two Caribbean Colombian Populations: CÃ©sar and Guajira. Journal of Forensic Sciences, 2008, 53, 254-255.	1.6	0
104	Reply to â€˜Comments on IgE responses to Ascaris and mite tropomyosins are risk factors for asthmaâ€™. Clinical and Experimental Allergy, 2016, 46, 181-181.	2.9	0
105	Editorial: Allergens and Allergic Sensitization in Asia and the Tropics. Frontiers in Allergy, 2021, 2, 808044.	2.8	0