Carlos RodrÃ-guez-Gallego

List of Publications by Year
in descending order

75 papers	10,165 citations	117453 34 h-index	95083 68 g-index
79 all docs	79 docs citations	79 times ranked	14295 citing authors

#	Article	IF	Citations
1	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. Science, 2020, 370, .	6.0	1,983
2	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. Science, 2020, 370, .	6.0	1,749
3	Pyogenic Bacterial Infections in Humans with MyD88 Deficiency. Science, 2008, 321, 691-696.	6.0	844
4	Heterozygous STAT1 gain-of-function mutations underlie an unexpectedly broad clinical phenotype. Blood, 2016, 127, 3154-3164.	0.6	465
5	Mutations in STAT3 and IL12RB1 impair the development of human IL-17â€“producing T cells. Journal of Experimental Medicine, 2008, 205, 1543-1550.	4.2	406
6	Selective predisposition to bacterial infections in IRAK-4â€“deficient children: IRAK-4â€“dependent TLRs are otherwise redundant in protective immunity. Journal of Experimental Medicine, 2007, 204, 2407-2422.	4.2	374
7	Revisiting Human IL-12RÎ²1 Deficiency. Medicine (United States), 2010, 89, 381-402.	0.4	367
8	Clinical Features and Outcome of Patients With IRAK-4 and MyD88 Deficiency. Medicine (United States), 2010, 89, 403-425.	0.4	366
9	Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. Science Immunology, 2021, 6, .	5.6	357
10	Low Penetrance, Broad Resistance, and Favorable Outcome of Interleukin 12 Receptor Î²1 Deficiency. Journal of Experimental Medicine, 2003, 197, 527-535.	4.2	286
11	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	5.6	267
12	Human TLR-7-, -8-, and -9-Mediated Induction of IFN-Î±/Î² and -Î» Is IRAK-4 Dependent and Redundant for Protective Immunity to Viruses. Immunity, 2005, 23, 465-478.	6.6	245
13	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	13.7	216
14	Mannose-binding lectin and mannose-binding lectinâ€“associated serine protease 2 in susceptibility, severity, and outcome of pneumonia in adults. Journal of Allergy and Clinical Immunology, 2008, 122, 368-374.e2.	1.5	116
15	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119.	3.3	110
16	Single amino acid charge switch defines clinically distinct proline-serine-threonine phosphatase-interacting protein 1 (PSTPIP1)â€“associated inflammatory diseases. Journal of Allergy and Clinical Immunology, 2015, 136, 1337-1345.	1.5	103
17	Partial recessive IFN-Î³R1 deficiency: genetic, immunological and clinical features of 14 patients from 11 kindreds. Human Molecular Genetics, 2011, 20, 1509-1523.	1.4	102
18	SARS-CoV-2â€“related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. Journal of Experimental Medicine, 2021, 218, .	4.2	100

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19	Clinical Features of Candidiasis in Patients With Inherited Interleukin 12 Receptor Î²1 Deficiency. Clinical Infectious Diseases, 2014, 58, 204-213.	2.9	98
20	IgM+IgD+CD27+ B cells are markedly reduced in IRAK-4â€“, MyD88-, and TIRAP- but not UNC-93Bâ€“deficient patients. Blood, 2012, 120, 4992-5001.	0.6	87
21	Monozygotic twins discordant for common variable immunodeficiency reveal impaired DNA demethylation during naÃ¯ve-to-memory B-cell transition. Nature Communications, 2015, 6, 7335.	5.8	81
22	Studying severe long COVID to understand post-infectious disorders beyond COVID-19. Nature Medicine, 2022, 28, 879-882.	15.2	72
23	A Fast Procedure for the Detection of Defects in Toll-like Receptor Signaling. Pediatrics, 2006, 118, 2498-2503.	1.0	71
24	Variants at the promoter of the interleukin-6 gene are associated with severity and outcome of pneumococcal community-acquired pneumonia. Intensive Care Medicine, 2012, 38, 256-262.	3.9	61
25	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. Journal of Experimental Medicine, 2022, 219, .	4.2	59
26	Surfactant protein A genetic variants associate with severe respiratory insufficiency in pandemic influenza A virus infection. Critical Care, 2014, 18, R127.	2.5	58
27	Genetic variability in the severity and outcome of community-acquired pneumonia. Respiratory Medicine, 2010, 104, 440-447.	1.3	54
28	The FcÎ³ receptor IIA-H/H131 genotype is associated with bacteremia in pneumococcal community-acquired pneumonia*. Critical Care Medicine, 2011, 39, 1388-1393.	0.4	52
29	Influence of genetic variability at the surfactant proteins A and D in community-acquired pneumonia: a prospective, observational, genetic study. Critical Care, 2011, 15, R57.	2.5	51
30	Autosomal recessive Interleukin-1 receptor-associated kinase 4 deficiency in fourth-degree relatives. Journal of Pediatrics, 2006, 148, 549-551.	0.9	48
31	Influence of mannose-binding lectin on HIV infection and tuberculosis in a Western-European population. Molecular Immunology, 2006, 43, 2143-2150.	1.0	47
32	Laboratory evaluation of the IFN-Î³ circuit for the molecular diagnosis of Mendelian susceptibility to mycobacterial disease. Critical Reviews in Clinical Laboratory Sciences, 2018, 55, 184-204.	2.7	43
33	The role of mannose-binding lectin in pneumococcal infection. European Respiratory Journal, 2013, 41, 131-139.	3.1	42
34	A global effort to dissect the human genetic basis of resistance to SARS-CoV-2 infection. Nature Immunology, 2022, 23, 159-164.	7.0	41
35	Primary and Secondary Immunodeficiency Diseases in Oncohaematology: Warning Signs, Diagnosis, and Management. Frontiers in Immunology, 2019, 10, 586.	2.2	40
36	Sepsis-associated acute respiratory distress syndrome in individuals of European ancestry: a genome-wide association study. Lancet Respiratory Medicine,the, 2020, 8, 258-266.	5.2	38

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37	Low clinical penetrance of mannose-binding lectinâ€“associated serine protease 2 deficiency. Journal of Allergy and Clinical Immunology, 2006, 118, 1383-1386.	1.5	35
38	Prediction of clinical toxicity in locally advanced head and neck cancer patients by radio-induced apoptosis in peripheral blood lymphocytes (PBLs). Radiation Oncology, 2010, 5, 4.	1.2	34
39	Incomplete penetrance for isolated congenital asplenia in humans with mutations in translated and untranslated RPSA exons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8007-E8016.	3.3	31
40	Radiation induced apoptosis and initial DNA damage are inversely related in locally advanced breast cancer patients. Radiation Oncology, 2010, 5, 85.	1.2	30
41	Primary immunodeficiency diseases in lung disease: warning signs, diagnosis and management. Respiratory Research, 2018, 19, 219.	1.4	30
42	Inherited GATA2 Deficiency Is Dominant by Haploinsufficiency and Displays Incomplete Clinical Penetrance. Journal of Clinical Immunology, 2021, 41, 639-657.	2.0	30
43	Combined low initial DNA damage and high radiation-induced apoptosis confers clinical resistance to long-term toxicity in breast cancer patients treated with high-dose radiotherapy. Radiation Oncology, 2011, 6, 60.	1.2	29
44	Lethal Influenza in Two Related Adults with Inherited GATA2 Deficiency. Journal of Clinical Immunology, 2018, 38, 513-526.	2.0	29
45	Prediction of normal tissue toxicity as part of the individualized treatment with radiotherapy in oncology patients. Surgical Oncology, 2012, 21, 201-206.	0.8	28
46	Diagnostic and therapeutic challenges in a child with complete Interferonâ€Î³ Receptor 1 deficiency. Pediatric Blood and Cancer, 2015, 62, 2036-2039.	0.8	27
47	Oesophageal squamous cell carcinoma in a young adult with IL-12RÂ1 deficiency. Journal of Medical Genetics, 2010, 47, 635-637.	1.5	25
48	Role of CD4 and CD8 T-lymphocytes, B-lymphocytes and Natural Killer cells in the prediction of radiation-induced late toxicity in cervical cancer patients. International Journal of Radiation Biology, 2011, 87, 424-431.	1.0	25
49	Altered Profile of Circulating Endothelial-Derived Microparticles in Ventilator-Induced Lung Injury*. Critical Care Medicine, 2015, 43, e551-e559.	0.4	25
50	Single-cell Atlas of common variable immunodeficiency shows germinal center-associated epigenetic dysregulation in B-cell responses. Nature Communications, 2022, 13, 1779.	5.8	25
51	Mannose binding lectin polymorphisms as a disease-modulating factor in women with systemic lupus erythematosus from Canary Islands, Spain. Journal of Rheumatology, 2003, 30, 740-6.	1.0	23
52	Successful Management of Chronic Multifocal Q Fever Osteomyelitis With Adjuvant Interferon-gamma Therapy. Pediatric Infectious Disease Journal, 2011, 30, 810-812.	1.1	21
53	Anti-Inflammatory Activity of a Novel Family of Aryl Ureas Compounds in an Endotoxin-Induced Airway Epithelial Cell Injury Model. PLoS ONE, 2012, 7, e48468.	1.1	21
54	Persistent Infection by a Mycobacterium tuberculosis Strain That Was Theorized To Have Advantageous Properties, as It Was Responsible for a Massive Outbreak. Journal of Clinical Microbiology, 2015, 53, 3423-3429.	1.8	21

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55	A novel gain-of-function STAT1 mutation resulting in basal phosphorylation of STAT1 and increased distal IFN-Î³-mediated responses in chronic mucocutaneous candidiasis. Molecular Immunology, 2015, 68, 597-605.	1.0	21
56	From Your Nose to Your Toes: A Review of Severe Acute Respiratory Syndrome Coronavirus 2 Pandemicâ€'Associated Pernio. Journal of Investigative Dermatology, 2021, 141, 2791-2796.	0.3	21
57	Respiratory viral infections in otherwise healthy humans with inherited IRF7 deficiency. Journal of Experimental Medicine, 2022, 219, .	4.2	21
58	Single nucleotide polymorphisms in DNA repair genes as risk factors associated to prostate cancer progression. BMC Medical Genetics, 2014, 15, 143.	2.1	20
59	Should MASP-2 Deficiency Be Considered a Primary Immunodeficiency? Relevance of the Lectin Pathway. Journal of Clinical Immunology, 2020, 40, 203-210.	2.0	19
60	Gain-of-function mutation in PIK3R1 in a patient with a narrow clinical phenotype of respiratory infections. Clinical Immunology, 2016, 173, 117-120.	1.4	17
61	Clinical and Immunogenetic Factors Associated with Pneumonia in Patients with Systemic Lupus Erythematosus: A Case-Control Study. Journal of Rheumatology, 2014, 41, 1801-1807.	1.0	13
62	Simple Measurement of IgA Predicts Immunity and Mortality in Ataxia-Telangiectasia. Journal of Clinical Immunology, 2021, 41, 1878-1892.	2.0	9
63	Amifostine Modulates Radio-induced Apoptosis of Peripheral Blood Lymphocytes in Head and Neck Cancer Patients. Journal of Radiation Research, 2010, 51, 603-607.	0.8	8
64	Executive Summary of the Consensus Document on the Diagnosis and Management of Patients with Primary Immunodeficiencies. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 3342-3347.	2.0	7
65	Common genomic signaling among initial DNA damage and radiation-induced apoptosis in peripheral blood lymphocytes from locally advanced breast cancer patients. Breast, 2013, 22, 28-33.	0.9	6
66	Genetic variations in genes involved in testosterone metabolism are associated with prostate cancer progression: A Spanish multicenter study. Urologic Oncology: Seminars and Original Investigations, 2015, 33, 331.e1-331.e7.	0.8	6
67	Intraethnic variation in steroid-5-alpha-reductase polymorphisms in prostate cancer patients: a potential factor implicated in 5-alpha-reductase inhibitor treatment. Journal of Genetics, 2015, 94, 335-341.	0.4	3
68	Other TLR Pathway Defects. , 2014, , 687-710.		1
69	Alpha-1 antitrypsin deficiency hidden in allegedly normal variants. Journal of Asthma, 2021, , 1-4.	0.9	1
70	Challenges in understanding host genetics and severity of community-acquired pneumonia. ERJ Open Research, 2021, 7, 00745-2020.	1.1	1
71	Mannose-Binding Lectin-Associated Serine Protease-2 (MASP-2) Deficiency. , 2016, , 1-6.		0
72	Executive Summary of the Consensus Document on the Diagnosis and Management of Patients with Primary Immunodeficiencies. Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2020, 38, 438-443.	0.3	0

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73	Functional Testing of the IL-12/IFN-Î³ Circuit. , 2021, , .		0
74	Defects in Intrinsic and Innate Immunity. Rare Diseases of the Immune System, 2021, , 177-212.	0.1	0
75	Mannose-Binding Lectin-Associated Serine Protease-2 (MASP-2) Deficiency. , 2020, , 474-479.		0