Emmanuelle Jouanguy

List of Publications by Year
in descending order

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127 papers	21,549 citations	14644 66 h-index	15249 126 g-index
135 all docs	135 docs citations	135 times ranked	22087 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	TLR3 Deficiency in Patients with Herpes Simplex Encephalitis. Science, 2007, 317, 1522-1527.	6.0	970
4	Interferon-Î³ â€“Receptor Deficiency in an Infant with Fatal Bacille Calmetteâ€“GuÃ©rin Infection. New England Journal of Medicine, 1996, 335, 1956-1962.	13.9	832
5	Impairment of Mycobacterial Immunity in Human Interleukin-12 Receptor Deficiency. Science, 1998, 280, 1432-1435.	6.0	787
6	Gain-of-function human STAT1 mutations impair IL-17 immunity and underlie chronic mucocutaneous candidiasis. Journal of Experimental Medicine, 2011, 208, 1635-1648.	4.2	739
7	Impaired response to interferon-Î±/Î² and lethal viral disease in human STAT1 deficiency. Nature Genetics, 2003, 33, 388-391.	9.4	720
8	Herpes Simplex Virus Encephalitis in Human UNC-93B Deficiency. Science, 2006, 314, 308-312.	6.0	674
9	The Jak-STAT signaling pathway is required but not sufficient for the antiviral response of drosophila. Nature Immunology, 2005, 6, 946-953.	7.0	569
10	A human IFNGR1 small deletion hotspot associated with dominant susceptibility to mycobacterial infection. Nature Genetics, 1999, 21, 370-378.	9.4	458
11	Human intracellular ISG15 prevents interferon-Î±/Î² over-amplification and auto-inflammation. Nature, 2015, 517, 89-93.	13.7	432
12	Inborn errors of IL-12/23- and IFN-Î³-mediated immunity: molecular, cellular, and clinical features. Seminars in Immunology, 2006, 18, 347-361.	2.7	422
13	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
14	Human TRAF3 Adaptor Molecule Deficiency Leads to Impaired Toll-like Receptor 3 Response and Susceptibility to Herpes Simplex Encephalitis. Immunity, 2010, 33, 400-411.	6.6	304
15	IL-12 and IFN-Î³ in host defense against mycobacteria and salmonella in mice and men. Current Opinion in Immunology, 1999, 11, 346-351.	2.4	301
16	Impaired intrinsic immunity to HSV-1 in human iPSC-derived TLR3-deficient CNS cells. Nature, 2012, 491, 769-773.	13.7	288
17	Partial MCM4 deficiency in patients with growth retardation, adrenal insufficiency, and natural killer cell deficiency. Journal of Clinical Investigation, 2012, 122, 821-832.	3.9	272
18	Inborn errors of interferon (IFN)â€mediated immunity in humans: insights into the respective roles of IFNâ€Î±/Î², IFNâ€Î³, and IFNâ€» in host defense. Immunological Reviews, 2008, 226, 29-40.	2.8	271

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19	Whole-exome sequencing-based discovery of STIM1 deficiency in a child with fatal classic Kaposi sarcoma. Journal of Experimental Medicine, 2010, 207, 2307-2312.	4.2	268
20	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
21	X-linked susceptibility to mycobacteria is caused by mutations in NEMO impairing CD40-dependent IL-12 production. Journal of Experimental Medicine, 2006, 203, 1745-1759.	4.2	264
22	Herpes simplex virus encephalitis in a patient with complete TLR3 deficiency: TLR3 is otherwise redundant in protective immunity. Journal of Experimental Medicine, 2011, 208, 2083-2098.	4.2	262
23	Herpes simplex encephalitis in children with autosomal recessive and dominant TRIF deficiency. Journal of Clinical Investigation, 2011, 121, 4889-4902.	3.9	254
24	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
25	Immunological conditions of children with BCG disseminated infection. Lancet, The, 1995, 346, 581.	6.3	219
26	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	13.7	216
27	IRAK-4- and MyD88-Dependent Pathways Are Essential for the Removal of Developing Autoreactive B Cells in Humans. Immunity, 2008, 29, 746-757.	6.6	201
28	Human Complete Stat-1 Deficiency Is Associated with Defective Type I and II IFN Responses In Vitro but Immunity to Some Low Virulence Viruses In Vivo. Journal of Immunology, 2006, 176, 5078-5083.	0.4	191
29	A Global Effort to Define the Human Genetics of Protective Immunity to SARS-CoV-2 Infection. Cell, 2020, 181, 1194-1199.	13.5	185
30	Preexisting autoantibodies to type I IFNs underlie critical COVID-19 pneumonia in patients with APS-1. Journal of Experimental Medicine, 2021, 218, .	4.2	185
31	A novel immunodeficiency associated with hypomorphic RAG1 mutations and CMV infection. Journal of Clinical Investigation, 2005, 115, 3291-3299.	3.9	177
32	DOCK8 deficiency impairs CD8 T cell survival and function in humans and mice. Journal of Experimental Medicine, 2011, 208, 2305-2320.	4.2	175
33	Partial Interferonâ€Î³ Receptor Signaling Chain Deficiency in a Patient with Bacille Calmetteâ€GuÃ©rin andMycobacterium abscessusInfection. Journal of Infectious Diseases, 2000, 181, 379-384.	1.9	171
34	Novel STAT1 Alleles in Otherwise Healthy Patients with Mycobacterial Disease. PLoS Genetics, 2006, 2, e131.	1.5	171
35	Idiopathic Disseminated Bacillus Calmette-Guèrin Infection: A French National Retrospective Study. Pediatrics, 1996, 98, 774-778.	1.0	170
36	A partial form of recessive STAT1 deficiency in humans. Journal of Clinical Investigation, 2009, 119, 1502-1514.	3.9	167

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37	Recurrent Staphylococcal Cellulitis and Subcutaneous Abscesses in a Child with Autoantibodies against IL-6. Journal of Immunology, 2008, 180, 647-654.	0.4	154
38	Human interferon-g-mediated immunity is a genetically controlled continuous trait that determines the outcome of mycobacterial invasion. Immunological Reviews, 2000, 178, 129-137.	2.8	153
39	In a novel form of IFN-Î³ receptor 1 deficiency, cell surface receptors fail to bind IFN-Î³. Journal of Clinical Investigation, 2000, 105, 1429-1436.	3.9	149
40	Human Tollâ€like receptorâ€dependent induction of interferons in protective immunity to viruses. Immunological Reviews, 2007, 220, 225-236.	2.8	147
41	Genome-Wide Association Study Identifies Variants Associated With Progression of Liver Fibrosis From HCV Infection. Gastroenterology, 2012, 143, 1244-1252.e12.	0.6	142
42	Human RHOH deficiency causes T cell defects and susceptibility to EV-HPV infections. Journal of Clinical Investigation, 2012, 122, 3239-3247.	3.9	134
43	Auto-antibodies to type I IFNs can underlie adverse reactions to yellow fever live attenuated vaccine. Journal of Experimental Medicine, 2021, 218, .	4.2	130
44	Pherokine-2 and -3. Two Drosophila molecules related to pheromone/odor-binding proteins induced by viral and bacterial infections. FEBS Journal, 2003, 270, 3398-3407.	0.2	128
45	TLR3 deficiency in herpes simplex encephalitis. Neurology, 2014, 83, 1888-1897.	1.5	128
46	Novel primary immunodeficiencies revealed by the investigation of paediatric infectious diseases. Current Opinion in Immunology, 2008, 20, 39-48.	2.4	127
47	Inherited IFNAR1 deficiency in otherwise healthy patients with adverse reaction to measles and yellow fever live vaccines. Journal of Experimental Medicine, 2019, 216, 2057-2070.	4.2	127
48	Inherited MST1 Deficiency Underlies Susceptibility to EV-HPV Infections. PLoS ONE, 2012, 7, e44010.	1.1	125
49	Inherited human OX40 deficiency underlying classic Kaposi sarcoma of childhood. Journal of Experimental Medicine, 2013, 210, 1743-1759.	4.2	119
50	Dual T cellâ€“ and B cellâ€“intrinsic deficiency in humans with biallelic RLTPR mutations. Journal of Experimental Medicine, 2016, 213, 2413-2435.	4.2	117
51	CORRELATION OF GRANULOMA STRUCTURE WITH CLINICAL OUTCOME DEFINES TWO TYPES OF IDIOPATHIC DISSEMINATED BCG INFECTION. , 1997, 181, 25-30.		116
52	Inherited GINS1 deficiency underlies growth retardation along with neutropenia and NK cell deficiency. Journal of Clinical Investigation, 2017, 127, 1991-2006.	3.9	115
53	A Novel Primary Immunodeficiency with Specific Natural-Killer Cell Deficiency Maps to the Centromeric Region of Chromosome 8. American Journal of Human Genetics, 2006, 78, 721-727.	2.6	113
54	Life-Threatening COVID-19: Defective Interferons Unleash Excessive Inflammation. Med, 2020, 1, 14-20.	2.2	110

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55	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
56	Inborn errors of anti-viral interferon immunity in humans. Current Opinion in Virology, 2011, 1, 487-496.	2.6	109
57	SARS-CoV-2 induces human plasmacytoid predendritic cell diversification via UNC93B and IRAK4. Journal of Experimental Medicine, 2021, 218, .	4.2	107
58	Mendelian susceptibility to mycobacterial infection in man. Current Opinion in Immunology, 1998, 10, 413-417.	2.4	106
59	Genetic susceptibility to herpes simplex virus 1 encephalitis in mice and humans. Current Opinion in Allergy and Clinical Immunology, 2007, 7, 495-505.	1.1	101
60	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
61	A Causative Relationship between Mutant IFNgR1 Alleles and Impaired Cellular Response to IFNÎ³ in a Compound Heterozygous Child. American Journal of Human Genetics, 1998, 62, 723-727.	2.6	97
62	The human CIB1â€“EVER1â€“EVER2 complex governs keratinocyte-intrinsic immunity to Î²-papillomaviruses. Journal of Experimental Medicine, 2018, 215, 2289-2310.	4.2	92
63	Homozygous NLRP1 gain-of-function mutation in siblings with a syndromic form of recurrent respiratory papillomatosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19055-19063.	3.3	92
64	Age-Dependent Mendelian Predisposition to Herpes Simplex Virus Type 1 Encephalitis in Childhood. Journal of Pediatrics, 2010, 157, 623-629.e1.	0.9	85
65	Compound Heterozygous CORO1A Mutations in Siblings with a Mucocutaneous-Immunodeficiency Syndrome of Epidermodysplasia Verruciformis-HPV, Molluscum Contagiosum and Granulomatous Tuberculoid Leprosy. Journal of Clinical Immunology, 2014, 34, 871-890.	2.0	78
66	Osteopontin Expression Correlates with Clinical Outcome in Patients with Mycobacterial Infection. American Journal of Pathology, 2000, 157, 37-42.	1.9	73
67	Infections in IFNGR-1-Deficient Children. Journal of Interferon and Cytokine Research, 1997, 17, 583-587.	0.5	71
68	Inherited IL-18BP deficiency in human fulminant viral hepatitis. Journal of Experimental Medicine, 2019, 216, 1777-1790.	4.2	70
69	JAK Inhibitor Therapy in a Child with Inherited USP18 Deficiency. New England Journal of Medicine, 2020, 382, 256-265.	13.9	69
70	NEMO is a key component of NF-ÎºBâ€“ and IRF-3â€“dependent TLR3-mediated immunity to herpes simplex virus. Journal of Allergy and Clinical Immunology, 2011, 128, 610-617.e4.	1.5	66
71	Primary immunodeficiencies of protective immunity to primary infections. Clinical Immunology, 2010, 135, 204-209.	1.4	65
72	TLR3 controls constitutive IFN-Î² antiviral immunity in human fibroblasts and cortical neurons. Journal of Clinical Investigation, 2021, 131, .	3.9	64

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73	Human NLRP1 is a sensor of pathogenic coronavirus 3CL proteases in lung epithelial cells. Molecular Cell, 2022, 82, 2385-2400.e9.	4.5	61
74	Human inborn errors of immunity to herpes viruses. Current Opinion in Immunology, 2020, 62, 106-122.	2.4	60
75	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. Journal of Experimental Medicine, 2022, 219, .	4.2	59
76	Human primary immunodeficiencies of type I interferons. Biochimie, 2007, 89, 878-883.	1.3	57
77	A role for interleukin-12/23 in the maturation of human natural killer and CD56+ T cells in vivo. Blood, 2008, 111, 5008-5016.	0.6	57
78	TIM3+ TRBV11-2 T cells and IFNÎ³ signature in patrolling monocytes and CD16+ NK cells delineate MIS-C. Journal of Experimental Medicine, 2022, 219, .	4.2	57
79	Epidermodysplasia Verruciformis: Inborn Errors of Immunity to Human Beta-Papillomaviruses. Frontiers in Microbiology, 2018, 9, 1222.	1.5	56
80	Whole-exome sequencing to analyze population structure, parental inbreeding, and familial linkage. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6713-6718.	3.3	53
81	Humans with inherited TÂcell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy. Cell, 2021, 184, 3812-3828.e30.	13.5	53
82	RecurrentMycobacterium aviumOsteomyelitis Associated With a Novel Dominant Interferon Gamma Receptor Mutation. Pediatrics, 2001, 107, e47-e47.	1.0	51
83	Kaposi Sarcoma of Childhood: Inborn or Acquired Immunodeficiency to Oncogenic HHVâ€8. Pediatric Blood and Cancer, 2016, 63, 392-397.	0.8	50
84	Life-Threatening Infections Due to Live-Attenuated Vaccines: Early Manifestations of Inborn Errors of Immunity. Journal of Clinical Immunology, 2019, 39, 376-390.	2.0	50
85	Type I interferons and SARS-CoV-2: from cells to organisms. Current Opinion in Immunology, 2022, 74, 172-182.	2.4	49
86	Classic Kaposi Sarcoma in 3 Unrelated Turkish Children Born to Consanguineous Kindreds. Pediatrics, 2010, 125, e704-e708.	1.0	47
87	Severe COVID-19 in the young and healthy: monogenic inborn errors of immunity?. Nature Reviews Immunology, 2020, 20, 455-456.	10.6	47
88	Autoantibodies Neutralizing Type I Interferons in 20% of COVID-19 Deaths in a French Hospital. Journal of Clinical Immunology, 2022, 42, 459-470.	2.0	46
89	Surface Expression of the IFN-Î³R2 Chain Is Regulated by Intracellular Trafficking in Human T Lymphocytes. Journal of Immunology, 2000, 164, 201-207.	0.4	44
90	A Novel Developmental and Immunodeficiency Syndrome Associated With Intrauterine Growth Retardation and a Lack of Natural Killer Cells. Pediatrics, 2004, 113, 136-141.	1.0	44

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91	Human inborn errors of immunity to infection affecting cells other than leukocytes: from the immune system to the whole organism. Current Opinion in Immunology, 2019, 59, 88-100.	2.4	44
92	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
93	Distinct antibody repertoires against endemic human coronaviruses in children and adults. JCI Insight, 2021, 6, .	2.3	40
94	EVER2 Deficiency is Associated with Mild T-cell Abnormalities. Journal of Clinical Immunology, 2013, 33, 14-21.	2.0	38
95	Fatal Cytomegalovirus Infection in an Adult with Inherited NOS2 Deficiency. New England Journal of Medicine, 2020, 382, 437-445.	13.9	38
96	A homozygous mutation of RTEL1 in a child presenting with an apparently isolated natural killer cell deficiency. Journal of Allergy and Clinical Immunology, 2015, 136, 1113-1114.	1.5	37
97	Vaccine breakthrough hypoxemic COVID-19 pneumonia in patients with auto-Abs neutralizing type I IFNs. Science Immunology, 2023, 8, .	5.6	35
98	Interferon-Î³ receptor deficiency mimicking Langerhansâ€™ cell histiocytosis. Journal of Pediatrics, 2001, 139, 600-603.	0.9	33
99	Negative selection on human genes underlying inborn errors depends on disease outcome and both the mode and mechanism of inheritance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
100	Biochemically deleterious human NFKB1 variants underlie an autosomal dominant form of common variable immunodeficiency. Journal of Experimental Medicine, 2021, 218, .	4.2	32
101	Familial NK Cell Deficiency Associated with Impaired IL-2- and IL-15-Dependent Survival of Lymphocytes. Journal of Immunology, 2006, 177, 8835-8843.	0.4	31
102	Recurrent elevated liver transaminases and acute liver failure in two siblings with novel bi-allelic mutations of NBAS. European Journal of Medical Genetics, 2017, 60, 426-432.	0.7	31
103	Nonpathogenic Common Variants of IFNGR1 and IFNGR2 in Association with Total Serum IgE Levels. Biochemical and Biophysical Research Communications, 1999, 263, 425-429.	1.0	30
104	A loss-of-function IFNAR1 allele in Polynesia underlies severe viral diseases in homozygotes. Journal of Experimental Medicine, 2022, 219, .	4.2	28
105	Inborn errors of the development of human natural killer cells. Current Opinion in Allergy and Clinical Immunology, 2013, 13, 589-595.	1.1	24
106	Monoclonal antibody-mediated neutralization of SARS-CoV-2 in an IRF9-deficient child. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
107	Requirement for both IL-12 and IFN-Î³ signaling pathways in optimal IFN-Î³ production by human T cells. European Journal of Immunology, 2002, 32, 693.	1.6	23
108	Inherited Interleukin 2â€“Inducible T-Cell (ITK) Kinase Deficiency in Siblings With Epidermodysplasia Verruciformis and Hodgkin Lymphoma. Clinical Infectious Diseases, 2019, 68, 1938-1941.	2.9	22

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109	Respiratory viral infections in otherwise healthy humans with inherited IRF7 deficiency. Journal of Experimental Medicine, 2022, 219, .	4.2	21
110	Interferon Â receptor 2 gene variants are associated with liver fibrosis in patients with chronic hepatitis C infection. Gut, 2010, 59, 1120-1126.	6.1	19
111	A CIB1 Splice-Site Founder Mutation in Families withÂTypical Epidermodysplasia Verruciformis. Journal of Investigative Dermatology, 2019, 139, 1195-1198.	0.3	19
112	Epidermodysplasia Verruciformis: Genetic Heterogeneity and EVER1 and EVER2 Mutations Revealed by Genome-Wide Analysis. Journal of Investigative Dermatology, 2019, 139, 241-244.	0.3	19
113	Insufficient type I IFN immunity underlies life-threatening COVID-19 pneumonia. Comptes Rendus - Biologies, 2021, 344, 19-25.	0.1	16
114	Human genetic and immunological dissection of papillomavirus-driven diseases: new insights into their pathogenesis. Current Opinion in Virology, 2021, 51, 9-15.	2.6	16
115	Human genetic basis of fulminant viral hepatitis. Human Genetics, 2020, 139, 877-884.	1.8	10
116	Human inborn errors of immunity to oncogenic viruses. Current Opinion in Immunology, 2021, 72, 277-285.	2.4	10
117	Recalcitrant Warts, Epidermodysplasia Verruciformis, and the Tree-Man Syndrome: Phenotypic Spectrum of Cutaneous Human Papillomavirus Infections at the Intersection of Genetic Variability of Viral and Human Genomes. Journal of Investigative Dermatology, 2022, 142, 1265-1269.	0.3	10
118	Diagnosis of APS-1 in Two Siblings Following Life-Threatening COVID-19 Pneumonia. Journal of Clinical Immunology, 2022, 42, 749-752.	2.0	10
119	Dominant negative CARD11 mutations: Beyond atopy. Journal of Allergy and Clinical Immunology, 2019, 143, 1345-1347.	1.5	8
120	Identification of an Endoglin Variant Associated With HCV-Related Liver Fibrosis Progression by Next-Generation Sequencing. Frontiers in Genetics, 2019, 10, 1024.	1.1	6
121	Whole-transcriptome sequencingâ€“based concomitant detection of viral and human genetic determinants of cutaneous lesions. JCI Insight, 2022, 7, .	2.3	6
122	A virus finds its natural killer. Nature Genetics, 2001, 28, 7-9.	9.4	5
123	Candidate Predisposition Variants in Kaposi Sarcoma as Detected by Whole-Genome Sequencing. Open Forum Infectious Diseases, 2019, 6, ofz337.	0.4	5
124	Recalcitrant Cutaneous Warts in a Family with Inherited ICOS Deficiency. Journal of Investigative Dermatology, 2022, 142, 2435-2445.	0.3	4
125	Title is missing!. Nature Genetics, 2001, 28, 7-9.	9.4	2
126	Inherited disorders of IFN-Î³-, IFN-Î±/Î²/Î»-, and NF-ÎºB-mediated immunity. , 2013, , 454-464.		1

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127	Immunodeficiencies at the Interface of Innate and Adaptive Immunity. , 2019, , 509-522.e1.		0