Charlotte Cunningham-Rundles

List of Publications by Year in descending order

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363 papers 32,993 citations

85 h-index 168 g-index

377 all docs

377 docs citations

377 times ranked

25621 citing authors

#	Article	IF	Citations
1	A serological assay to detect SARS-CoV-2 seroconversion in humans. Nature Medicine, 2020, 26, 1033-1036.	15.2	1,678
2	Chronic Fatigue Syndrome: A Working Case Definition. Annals of Internal Medicine, 1988, 108, 387.	2.0	1,512
3	Common Variable Immunodeficiency: Clinical and Immunological Features of 248 Patients. Clinical Immunology, 1999, 92, 34-48.	1.4	1,325
4	Severe Acquired Immunodeficiency in Male Homosexuals, Manifested by Chronic Perianal Ulcerative Herpes Simplex Lesions. New England Journal of Medicine, 1981, 305, 1439-1444.	13.9	1,224
5	Human Inborn Errors of Immunity: 2019 Update on the Classification from the International Union of Immunological Societies Expert Committee. Journal of Clinical Immunology, 2020, 40, 24-64.	2.0	881
6	International Union of Immunological Societies: 2017 Primary Immunodeficiency Diseases Committee Report on Inborn Errors of Immunity. Journal of Clinical Immunology, 2018, 38, 96-128.	2.0	732
7	Morbidity and mortality in common variable immune deficiency over 4 decades. Blood, 2012, 119, 1650-1657.	0.6	685
8	International Consensus Document (ICON): Common Variable Immunodeficiency Disorders. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 38-59.	2.0	669
9	Primary Immunodeficiency Diseases: an Update on the Classification from the International Union of Immunological Societies Expert Committee for Primary Immunodeficiency 2015. Journal of Clinical Immunology, 2015, 35, 696-726.	2.0	621
10	Newborn Screening for Severe Combined Immunodeficiency in 11 Screening Programs in the United States. JAMA - Journal of the American Medical Association, 2014, 312, 729.	3.8	586
11	Use of intravenous immunoglobulin in human disease: A review of evidence by members of the Primary Immunodeficiency Committee of the American Academy of Allergy, Asthma and Immunology. Journal of Allergy and Clinical Immunology, 2006, 117, S525-S553.	1.5	574
12	Expansion of the Human Phenotype Ontology (HPO) knowledge base and resources. Nucleic Acids Research, 2019, 47, D1018-D1027.	6.5	539
13	Human Inborn Errors of Immunity: 2019 Update of the IUIS Phenotypical Classification. Journal of Clinical Immunology, 2020, 40, 66-81.	2.0	525
14	X-Linked Agammaglobulinemia. Medicine (United States), 2006, 85, 193-202.	0.4	516
15	The 2017 IUIS Phenotypic Classification for Primary Immunodeficiencies. Journal of Clinical Immunology, 2018, 38, 129-143.	2.0	488
16	Primary Immunodeficiency Diseases: An Update on the Classification from the International Union of Immunological Societies Expert Committee for Primary Immunodeficiency. Frontiers in Immunology, 2014, 5, 162.	2.2	466
17	Primary immunodeficiencies: 2009 update. Journal of Allergy and Clinical Immunology, 2009, 124, 1161-1178.	1.5	416
18	Complement receptor $2/\text{CD}21\hat{a}^{2}$ human naive B cells contain mostly autoreactive unresponsive clones. Blood, 2010, 115, 5026-5036.	0.6	399

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19	Immunoglobulin D enhances immune surveillance by activating antimicrobial, proinflammatory and B cell–stimulating programs in basophils. Nature Immunology, 2009, 10, 889-898.	7.0	362
20	Phenotype, penetrance, and treatment of 133 cytotoxic T-lymphocyte antigen 4–insufficient subjects. Journal of Allergy and Clinical Immunology, 2018, 142, 1932-1946.	1.5	344
21	Clinical and immunologic analyses of 103 patients with common variable immunodeficiency. Journal of Clinical Immunology, 1989, 9, 22-33.	2.0	334
22	Update in understanding common variable immunodeficiency disorders (CVIDs) and the management of patients with these conditions. British Journal of Haematology, 2009, 145, 709-727.	1,2	333
23	Efficacy of intravenous immunoglobulin in the prevention of pneumonia in patients with common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2002, 109, 1001-1004.	1.5	309
24	Physiology of IgA and IgA deficiency. , 2001, 21, 303-309.		305
25	The transmembrane activator TACI triggers immunoglobulin class switching by activating B cells through the adaptor MyD88. Nature Immunology, 2010, 11, 836-845. Journal Info Home About the Journal Editorial Board Archive Research Topics View Some Authors	7.0	295
26	Review Guidelines Subscribe to Alerts Search Article Type Publication Date Go Author Info Why Submit? Fees Article Types Author Guidelines Submission Checklist Contact Editorial Office Submit Manuscript Review ARTICLE Abstract Full Text PDF 0 Write a Comment Primary immunodeficiency diseases: an update on the classification from the International Union of Immunological Societies	2.2	294
27	Expert Committee for Primary. Frontiers in Immunology, 2011, 2, 54. Coronavirus disease 2019 in patients with inborn errors of immunity: An international study. Journal of Allergy and Clinical Immunology, 2021, 147, 520-531.	1.5	278
28	How I treat common variable immune deficiency. Blood, 2010, 116, 7-15.	0.6	264
29	High-Throughput GoMiner, an 'industrial-strength' integrative gene ontology tool for interpretation of multiple-microarray experiments, with application to studies of Common Variable Immune Deficiency (CVID). BMC Bioinformatics, 2005, 6, 168.	1.2	253
30	Genetic Diagnosis Using Whole Exome Sequencing in Common Variable Immunodeficiency. Frontiers in Immunology, 2016, 7, 220.	2.2	247
31	Granulomatous Disease in Common Variable Immunodeficiency. Annals of Internal Medicine, 1997, 127, 613.	2.0	227
32	Loss of B Cells in Patients with Heterozygous Mutations in IKAROS. New England Journal of Medicine, 2016, 374, 1032-1043.	13.9	217
33	Meta-analysis of shared genetic architecture across ten pediatric autoimmune diseases. Nature Medicine, 2015, 21, 1018-1027.	15.2	212
34	Reexamining the role of TACI coding variants in common variable immunodeficiency and selective IgA deficiency. Nature Genetics, 2007, 39, 429-430.	9.4	210
35	The 2015 IUIS Phenotypic Classification for Primary Immunodeficiencies. Journal of Clinical Immunology, 2015, 35, 727-738.	2.0	199
36	Jakinibs for the treatment of immune dysregulation in patients with gain-of-function signal transducer and activator of transcription 1 (STAT1) or STAT3 mutations. Journal of Allergy and Clinical Immunology, 2018, 142, 1665-1669.	1,5	196

#	Article	IF	Citations
37	Incidence of cancer in 98 patients with common varied immunodeficiency. Journal of Clinical Immunology, 1987, 7, 294-299.	2.0	190
38	Genome-wide association identifies diverse causes of common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2011, 127, 1360-1367.e6.	1.5	179
39	New Insights into Common Variable Immunodeficiency. Annals of Internal Medicine, 1993, 118, 720.	2.0	178
40	Granulomatous disease in common variable immunodeficiency. Clinical Immunology, 2009, 133, 198-207.	1.4	178
41	ICOS deficiency in patients with common variable immunodeficiency. Clinical Immunology, 2004, 113, 234-240.	1.4	175
42	Efficacy of Intravenous Immunoglobulin in Primary Humoral Immunodeficiency Disease. Annals of Internal Medicine, 1984, 101, 435.	2.0	174
43	Cancer in primary immunodeficiency diseases: Cancer incidence in the United States Immune Deficiency Network Registry. Journal of Allergy and Clinical Immunology, 2018, 141, 1028-1035.	1.5	172
44	Treatment and outcome of autoimmune hematologic disease in common variable immunodeficiency (CVID). Journal of Autoimmunity, 2005, 25, 57-62.	3.0	170
45	Intravenous immunoglobulin prophylaxis causing liver damage in 16 of 77 patients with hypogammaglobulinemia or IgG subclass deficiency. American Journal of Medicine, 1988, 84, 107-111.	0.6	169
46	Autoimmunity in common variable immunodeficiency. Current Allergy and Asthma Reports, 2009, 9, 347-352.	2.4	165
47	The Ever-Increasing Array of Novel Inborn Errors of Immunity: an Interim Update by the IUIS Committee. Journal of Clinical Immunology, 2021, 41, 666-679.	2.0	165
48	Transmembrane activator and calcium-modulating cyclophilin ligand interactor mutations in common variable immunodeficiency: Clinical and immunologic outcomes in heterozygotes. Journal of Allergy and Clinical Immunology, 2007, 120, 1178-1185.	1.5	158
49	CVID-associated TACI mutations affect autoreactive B cell selection and activation. Journal of Clinical Investigation, 2013, 123, 4283-4293.	3.9	153
50	Efficacy of intravenous immunoglobulin in the treatment of autoimmune hemolytic anemia: Results in 73 patients. American Journal of Hematology, 1993, 44, 237-242.	2.0	150
51	Milk precipitins, circulating immune complexes, and IgA deficiency Proceedings of the National Academy of Sciences of the United States of America, 1978, 75, 3387-3389.	3.3	149
52	Molecular defects in T- and B-cell primary immunodeficiency diseases. Nature Reviews Immunology, 2005, 5, 880-892.	10.6	146
53	Role for Msh5 in the regulation of Ig class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7193-7198.	3.3	142
54	Inflammatory and autoimmune complications of common variable immune deficiency. Autoimmunity Reviews, 2006, 5, 156-159.	2.5	141

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55	Hematologic complications of primary immune deficiencies. Blood Reviews, 2002, 16, 61-64.	2.8	134
56	Bruton's Tyrosine Kinase Is Essential for Human B Cell Tolerance. Journal of Experimental Medicine, 2004, 200, 927-934.	4.2	131
57	lgA deficiency: clinical correlates and responses to pneumococcal vaccine. Clinical Immunology, 2004, 111, 93-97.	1.4	130
58	Memory B cells in common variable immunodeficiency: Clinical associations and sex differences. Clinical Immunology, 2008, 128, 314-321.	1.4	129
59	Confirmation and improvement of criteria for clinical phenotyping in common variable immunodeficiency disorders in replicate cohorts. Journal of Allergy and Clinical Immunology, 2012, 130, 1197-1198.e9.	1.5	129
60	Recommendations for live viral and bacterial vaccines inÂimmunodeficient patients and their close contacts. Journal of Allergy and Clinical Immunology, 2014, 133, 961-966.	1.5	128
61	Utility of Intravenous Immune Globulin in Kidney Transplantation: Efficacy, Safety, and Cost Implications. American Journal of Transplantation, 2003, 3, 653-664.	2.6	126
62	Mutations in Activation-Induced Cytidine Deaminase in Patients with Hyper IgM Syndrome. Clinical Immunology, 2000, 97, 203-210.	1.4	125
63	Efficacy and safety of rituximab in common variable immunodeficiencyâ€associated immune cytopenias: a retrospective multicentre study on 33 patients. British Journal of Haematology, 2011, 155, 498-508.	1.2	125
64	Characterization of immunologic defects in patients with common variable immunodeficiency (CVID) with intestinal disease. Inflammatory Bowel Diseases, 2011, 17, 251-259.	0.9	124
65	Autoimmune Manifestations in Common Variable Immunodeficiency. Journal of Clinical Immunology, 2008, 28, 42-45.	2.0	123
66	The many faces of common variable immunodeficiency. Hematology American Society of Hematology Education Program, 2012, 2012, 301-5.	0.9	122
67	Activation-induced cytidine deaminase (AID) is required for B-cell tolerance in humans. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11554-11559.	3.3	118
68	Non-infectious Complications of Common Variable Immunodeficiency: Updated Clinical Spectrum, Sequelae, and Insights to Pathogenesis. Frontiers in Immunology, 2020, 11, 149.	2.2	118
69	Common variable immunodeficiency. Current Allergy and Asthma Reports, 2001, 1, 421-429.	2.4	117
70	CD40 ligand and MHC class II expression are essential for human peripheral B cell tolerance. Journal of Experimental Medicine, 2007, 204, 1583-1593.	4.2	117
71	Bovine Antigens and the Formation of Circulating Immune Complexes in Selective Immunoglobulin A Deficiency. Journal of Clinical Investigation, 1979, 64, 272-279.	3.9	116
72	Three distinct stages of B-cell defects in common varied immunodeficiency Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 6008-6012.	3.3	115

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73	TLR9 Activation Is Defective in Common Variable Immune Deficiency. Journal of Immunology, 2006, 176, 1978-1987.	0.4	112
74	Circulating human B cells that express surrogate light chains and edited receptors. Nature Immunology, 2000, $1, 207-213$.	7.0	109
75	Immune competence and switched memory B cells in common variable immunodeficiency. Clinical Immunology, 2005, 116, 37-41.	1.4	109
76	Current genetic landscape in common variable immune deficiency. Blood, 2020, 135, 656-667.	0.6	109
77	Long-term outcomes of 176 patients with X-linked hyper-lgM syndrome treated with or without hematopoietic cell transplantation. Journal of Allergy and Clinical Immunology, 2017, 139, 1282-1292.	1.5	107
78	Newborn Screening for SCID in New York State: Experience from the First Two Years. Journal of Clinical Immunology, 2014, 34, 289-303.	2.0	104
79	Gastrointestinal Disorders Associated with Common Variable Immune Deficiency (CVID) and Chronic Granulomatous Disease (CGD). Current Gastroenterology Reports, 2016, 18, 17.	1.1	104
80	Assessment and clinical interpretation of reduced IgG values. Annals of Allergy, Asthma and Immunology, 2007, 99, 281-283.	0.5	103
81	Lymphomas of mucosal-associated lymphoid tissue in common variable immunodeficiency. American Journal of Hematology, 2002, 69, 171-178.	2.0	102
82	Immunoglobulin prophylaxis in patients with antibody deficiency syndromes and anti-IgA antibodies. Journal of Clinical Immunology, 1987, 7, 8-15.	2.0	100
83	Toll-like receptor 7 and 9 defects in common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2009, 124, 349-356.e3.	1.5	97
84	Insights into leukocyte adhesion deficiency type 2 from a novel mutation in the GDP-fucose transporter gene. Blood, 2003, 101, 1705-1712.	0.6	95
85	Microbiota regulate the ability of lung dendritic cells to induce IgA class-switch recombination and generate protective gastrointestinal immune responses. Journal of Experimental Medicine, 2016, 213, 53-73.	4.2	94
86	Hyper IgM Syndrome: a Report from the USIDNET Registry. Journal of Clinical Immunology, 2016, 36, 490-501.	2.0	92
87	Long-term use of IgA-depleted intravenous immunoglobulin in immunodeficient subjects with anti-IgA antibodies. Journal of Clinical Immunology, 1993, 13, 272-278.	2.0	88
88	Autoimmunity and Inflammation in X-linked Agammaglobulinemia. Journal of Clinical Immunology, 2014, 34, 627-632.	2.0	88
89	TACI mutations and impaired B-cell function in subjects with CVID and healthy heterozygotes. Journal of Allergy and Clinical Immunology, 2013, 131, 468-476.	1.5	86
90	Pulmonary radiologic findings in common variable immunodeficiency: clinical and immunological correlations. Annals of Allergy, Asthma and Immunology, 2014, 113, 452-459.	0.5	86

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91	Interleukin-2 correction of defectivein vitro T-cell mitogenesis in patients with common varied immunodeficiency. Journal of Clinical Immunology, 1984, 4, 295-303.	2.0	85
92	Non-hodgkin lymphoma in common variable immunodeficiency. American Journal of Hematology, 1991, 37, 69-74.	2.0	81
93	Deficient IL-12 and dendritic cell function in common variable immune deficiency. Clinical Immunology, 2005, 115, 147-153.	1.4	79
94	Ruxolitinib partially reverses functional natural killer cell deficiency in patients with signal transducer and activator of transcription 1 (STAT1) gain-of-function mutations. Journal of Allergy and Clinical Immunology, 2018, 141, 2142-2155.e5.	1. 5	79
95	Autoimmune Cytopenias and Associated Conditions in CVID: a Report From the USIDNET Registry. Journal of Clinical Immunology, 2018, 38, 28-34.	2.0	79
96	Characterization of the clinical and immunologic phenotype and management of 157 individuals with 56 distinct heterozygous NFKB1 mutations. Journal of Allergy and Clinical Immunology, 2020, 146, 901-911.	1.5	78
97	IgH sequences in common variable immune deficiency reveal altered B cell development and selection. Science Translational Medicine, 2015, 7, 302ra135.	5.8	77
98	High serum levels of BAFF, APRIL, and TACI in common variable immunodeficiency. Clinical Immunology, 2007, 124, 182-189.	1.4	73
99	The many faces of the clinical picture of common variable immune deficiency. Current Opinion in Allergy and Clinical Immunology, 2012, 12, 595-601.	1.1	72
100	Three patients with X-linked agammaglobulinemia hospitalized for COVID-19 improved with convalescent plasma. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 3594-3596.e3.	2.0	72
101	Clinical outcomes and features of COVID-19 in patients with primary immunodeficiencies in New York City. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 490-493.e2.	2.0	72
102	Tollâ€like receptor signaling in primary immune deficiencies. Annals of the New York Academy of Sciences, 2015, 1356, 1-21.	1.8	71
103	Intravenous Treatment of Autoimmune Hemolytic Anemia with Very High Dose Gammaglobulin ¹ . Vox Sanguinis, 1986, 51, 264-269.	0.7	70
104	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of High-Dose Intravenous Immunoglobulin for Oral Corticosteroid-Dependent Asthma. Clinical Immunology, 1999, 91, 126-133.	1.4	70
105	Progressive Neurodegeneration in Patients with Primary Immunodeficiency Disease on IVIG Treatment. Clinical Immunology, 2002, 102, 19-24.	1.4	70
106	Pulmonary complications of common variable immunodeficiency. Annals of Allergy, Asthma and Immunology, 2007, 98, 1-9.	0.5	70
107	Memory B Cells and Pneumococcal Antibody After Splenectomy. Journal of Immunology, 2008, 181, 3684-3689.	0.4	70
108	Common Variable Immunodeficiency Non-Infectious Disease Endotypes Redefined Using Unbiased Network Clustering in Large Electronic Datasets. Frontiers in Immunology, 2017, 8, 1740.	2.2	70

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109	Expansion of inflammatory innate lymphoid cells in patients with common variable immune deficiency. Journal of Allergy and Clinical Immunology, 2016, 137, 1206-1215.e6.	1.5	69
110	Zinc-induced activation of human B lymphocytes. Clinical Immunology and Immunopathology, 1980, 16, 115-122.	2.1	68
111	Patients with common variable immunodeficiency with autoimmune cytopenias exhibit hyperplastic yet inefficient germinal center responses. Journal of Allergy and Clinical Immunology, 2019, 143, 258-265.	1.5	68
112	B Lymphocyte Antigen D8/17 and Repetitive Behaviors in Autism. American Journal of Psychiatry, 1999, 156, 317-320.	4.0	67
113	Circulating thymic hormone activity in patients with primary and secondary immunodeficiency diseases. American Journal of Medicine, 1981, 71, 385-394.	0.6	66
114	High levels of Crohn's disease-associated anti-microbial antibodies are present and independent of colitis in chronic granulomatous disease. Clinical Immunology, 2011, 138, 14-22.	1.4	65
115	Primary Immune Deficiency Treatment Consortium (PIDTC) report. Journal of Allergy and Clinical Immunology, 2014, 133, 335-347.e11.	1.5	65
116	Progression of Common Variable Immunodeficiency Interstitial Lung Disease Accompanies Distinct Pulmonary and Laboratory Findings. Journal of Allergy and Clinical Immunology: in Practice, 2015, 3, 941-950.	2.0	65
117	mTOR intersects antibody-inducing signals from TACI in marginal zone B cells. Nature Communications, 2017, 8, 1462.	5.8	65
118	AIRE expression controls the peripheral selection of autoreactive B cells. Science Immunology, 2019, 4,	5.6	65
119	Regulation of immunoglobulin (Ig)E synthesis in the hyper-IgE syndrome Journal of Clinical Investigation, 1990, 85, 1666-1671.	3.9	65
120	Interferon Signature in the Blood in Inflammatory Common Variable Immune Deficiency. PLoS ONE, 2013, 8, e74893.	1.1	64
121	Autoimmunity in common variable immunodeficiency. Annals of Allergy, Asthma and Immunology, 2019, 123, 454-460.	0.5	64
122	Brief report: a pilot open clinical trial of intravenous immunoglobulin in childhood autism. Journal of Autism and Developmental Disorders, 1999, 29, 157-160.	1.7	63
123	Immunodeficiencies. Clinical and Experimental Immunology, 2009, 158, 14-22.	1.1	63
124	Autoimmunity in primary immune deficiency: taking lessons from our patients. Clinical and Experimental Immunology, 2011, 164, 6-11.	1.1	63
125	Association of CLEC16A with human common variable immunodeficiency disorder and role in murine B cells. Nature Communications, 2015, 6, 6804.	5.8	63
126	Sensitization to Aspergillus species in the congenital neutrophil disorders chronic granulomatous disease and hyper-lgE syndromea †a †a †a … Journal of Allergy and Clinical Immunology, 1999, 104, 1265-1272.	1.5	62

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127	Thymoma and immunodeficiency (Good syndrome): a report of 2 unusual cases and review of the literature. Annals of Allergy, Asthma and Immunology, 2007, 98, 185-190.	0.5	62
128	Common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2012, 129, 1425-1426.e3.	1.5	62
129	Autosomal Dominant Hyper-IgE Syndrome in the USIDNET Registry. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 996-1001.	2.0	62
130	Defective cellular immune responsein vitro in common variable immunodeficiency. Journal of Clinical Immunology, 1981, 1, 65-72.	2.0	60
131	Outcome of Intravenous Immunoglobulin-Transmitted Hepatitis C Virus Infection in Primary Immunodeficiency. Clinical Immunology, 2001, 101, 284-288.	1.4	59
132	Common variable immune deficiency: Dissection of the variable. Immunological Reviews, 2019, 287, 145-161.	2.8	59
133	IRAK-4 and MyD88 deficiencies impair IgM responses against T-independent bacterial antigens. Blood, 2014, 124, 3561-3571.	0.6	58
134	Genetic sharing and heritability of paediatric age of onset autoimmune diseases. Nature Communications, 2015, 6, 8442.	5.8	58
135	Treatment of idiopathic CD4 T lymphocytopenia with IL-2. Clinical and Experimental Immunology, 1999, 116, 322-325.	1.1	56
136	Perspectives on common variable immune deficiency. Annals of the New York Academy of Sciences, 2011, 1246, 41-49.	1.8	56
137	Recognizing Primary Immune Deficiency in Clinical Practice. Vaccine Journal, 2006, 13, 329-332.	3.2	55
138	Role of B cells in common variable immune deficiency. Expert Review of Clinical Immunology, 2009, 5, 557-564.	1.3	55
139	Tertiary lymphoid neogenesis is a component of pulmonary lymphoid hyperplasia in patients with common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2014, 133, 535-542.	1.5	55
140	BAFF-driven B cell hyperplasia underlies lung disease in common variable immunodeficiency. JCI Insight, 2019, 4, .	2.3	54
141	Identifying undiagnosed primary immunodeficiency diseases in minority subjects by using computer sorting of diagnosis codes. Journal of Allergy and Clinical Immunology, 2004, 113, 747-755.	1.5	53
142	Practical guidance for the diagnosis and management of secondary hypogammaglobulinemia: AÂWork Group Report of the AAAAI Primary Immunodeficiency and Altered Immune Response Committees. Journal of Allergy and Clinical Immunology, 2022, 149, 1525-1560.	1.5	53
143	Oligoclonality, impaired class switch and B-cell memory responses in WHIM syndrome. Clinical Immunology, 2010, 135, 412-421.	1.4	52
144	Blacklisting variants common in private cohorts but not in public databases optimizes human exome analysis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 950-959.	3.3	52

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145	Targeting FcRn for immunomodulation: Benefits, risks, and practical considerations. Journal of Allergy and Clinical Immunology, 2020, 146, 479-491.e5.	1.5	52
146	Naturally occurring autologous anti-idiotypic antibodies. Participation in immune complex formation in selective IgA deficiency Journal of Experimental Medicine, 1982, 155, 711-719.	4.2	51
147	Pulmonary Cell Populations in the Immunosuppressed Patient. Chest, 1985, 88, 352-359.	0.4	51
148	Enhanced apoptosis of T cells in common variable immunodeficiency (CVID): role of defective CD28 co-stimulation. Clinical and Experimental Immunology, 2000, 120, 503-511.	1.1	51
149	An update on the use of immunoglobulin for the treatment of immunodeficiency disorders. Immunotherapy, 2014, 6, 1113-1126.	1.0	51
150	CD19 controls Toll-like receptor 9 responses in human BÂcells. Journal of Allergy and Clinical Immunology, 2016, 137, 889-898.e6.	1.5	50
151	Autoimmunity in selective IgA deficiency: relationship to anti-bovine protein antibodies, circulating immune complexes and clinical disease. Clinical and Experimental Immunology, 1981, 45, 299-304.	1.1	50
152	Long-Term Low-Dose IL-2 Enhances Immune Function in Common Variable Immunodeficiency. Clinical Immunology, 2001, 100, 181-190.	1.4	49
153	Low Serum IgE Is a Sensitive and Specific Marker for Common Variable Immunodeficiency (CVID). Journal of Clinical Immunology, 2018, 38, 225-233.	2.0	48
154	Polyclonal immunoglobulin secretion in patients with common variable immunodeficiency using monoclonal B cell differentiation factors Journal of Clinical Investigation, 1984, 74, 2115-2120.	3.9	48
155	Toll-like receptor 4–, 7–, and 8–activated myeloid cells from patients with X-linked agammaglobulinemia produce enhanced inflammatory cytokines. Journal of Allergy and Clinical Immunology, 2012, 129, 184-190.e4.	1.5	47
156	Key aspects for successful immunoglobulin therapy of primary immunodeficiencies. Clinical and Experimental Immunology, 2011, 164, 16-19.	1.1	46
157	Decreased somatic hypermutation induces an impaired peripheral B cell tolerance checkpoint. Journal of Clinical Investigation, 2016, 126, 4289-4302.	3.9	46
158	Food allergy in patients with primary immunodeficiency diseases: Prevalence within the US Immunodeficiency Network (USIDNET). Journal of Allergy and Clinical Immunology, 2015, 135, 273-275.	1.5	45
159	Differential induction of plasma cells by isoforms of human TACI. Blood, 2015, 125, 1749-1758.	0.6	45
160	TLR7- and TLR9-Responsive Human B Cells Share Phenotypic and Genetic Characteristics. Journal of Immunology, 2015, 194, 3035-3044.	0.4	43
161	Differentiation of Common Variable Immunodeficiency From IgG Deficiency. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1277-1284.	2.0	43
162	Primary B-cell immunodeficiencies. Human Immunology, 2019, 80, 351-362.	1.2	42

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163	Osteoarticular infectious complications in patients with primary immunodeficiencies. Current Opinion in Rheumatology, 2008, 20, 480-485.	2.0	41
164	Lymphoid Proliferations of Indeterminate Malignant Potential arising in Adults with Common Variable Immunodeficiency Disorders: Unusual Case Studies and Immunohistological Review in the Light of Possible Causative Events. Journal of Clinical Immunology, 2011, 31, 784-791.	2.0	40
165	Idiopathic CD4 lymphocytopenia. Annals of Allergy, Asthma and Immunology, 2017, 119, 374-378.	0.5	40
166	Gut T cell–independent IgA responses to commensal bacteria require engagement of the TACI receptor on B cells. Science Immunology, 2020, 5, .	5.6	40
167	Dietary protein antigenemia in humoral immunodeficiency. American Journal of Medicine, 1984, 76, 181-185.	0.6	39
168	Characterization of the T Cell Receptor Repertoire in Patients with Common Variable Immunodeficiency: Oligoclonal Expansion of CD8+ T Cells. Clinical Immunology, 2000, 97, 248-258.	1.4	39
169	Enhanced T cell apoptosis in common variable immunodeficiency: negative role of the fas/fasligand system and of the Bcl-2 family proteins and possible role of TNF-RS. Clinical and Experimental Immunology, 2001, 125, 117-122.	1.1	39
170	Enhanced Humoral Immunity in Common Variable Immunodeficiency after Long-Term Treatment with Polyethylene Glycol-Conjugated Interleukin-2. New England Journal of Medicine, 1994, 331, 918-921.	13.9	38
171	TNF receptor superfamily member 13b (TNFRSF13B) hemizygosity reveals transmembrane activator and CAML interactor haploinsufficiency at later stages of B-cell development. Journal of Allergy and Clinical Immunology, 2015, 136, 1315-1325.	1.5	38
172	Zinc deficiency, depressed thymic hormones, and T lymphocyte dysfunction in patients with hypogammaglobulinemia. Clinical Immunology and Immunopathology, 1981, 21, 387-396.	2.1	37
173	T-cell activation defect in common variable immunodeficiency: Restoration by phorbol myristate acetate (PMA) or allogeneic macrophages. Clinical Immunology and Immunopathology, 1987, 44, 206-218.	2.1	37
174	Gastrointestinal Manifestations and Complications of Primary Immunodeficiency Disorders. Immunology and Allergy Clinics of North America, 2019, 39, 81-94.	0.7	37
175	Update on primary immunodeficiency: defects of lymphocytes. Clinical Immunology, 2003, 109, 109-118.	1.4	36
176	Treatment of hypogammaglobulinemia in adults: A scoring system to guide decisions on immunoglobulin replacement. Journal of Allergy and Clinical Immunology, 2013, 131, 1699-1701.e3.	1.5	36
177	Clonal and constricted T cell repertoire in Common Variable Immune Deficiency. Clinical Immunology, 2017, 178, 1-9.	1.4	36
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