John M Routes

List of Publications by Year
in descending order

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129 papers	7,435 citations	94433 37 h-index	54911 84 g-index
151 all docs	151 docs citations	151 times ranked	7670 citing authors

#	Article	IF	Citations
1	International Consensus Document (ICON): Common Variable Immunodeficiency Disorders. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 38-59.	3.8	669
2	Making a definitive diagnosis: Successful clinical application of whole exome sequencing in a child with intractable inflammatory bowel disease. Genetics in Medicine, 2011, 13, 255-262.	2.4	651
3	Newborn Screening for Severe Combined Immunodeficiency in 11 Screening Programs in the United States. JAMA - Journal of the American Medical Association, 2014, 312, 729.	7.4	586
4	Practice parameter for the diagnosis and management of primary immunodeficiency. Journal of Allergy and Clinical Immunology, 2015, 136, 1186-1205.e78.	2.9	564
5	Practice parameter for the diagnosis and management of primary immunodeficiency. Annals of Allergy, Asthma and Immunology, 2005, 94, S1-S63.	1.0	452
6	Granulomatous-lymphocytic lung disease shortens survival in common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2004, 114, 415-421.	2.9	312
7	Expression of Human Herpesvirus 8 in Primary Pulmonary Hypertension. New England Journal of Medicine, 2003, 349, 1113-1122.	27.0	278
8	Statewide Newborn Screening for Severe T-Cell Lymphopenia. JAMA - Journal of the American Medical Association, 2009, 302, 2465.	7.4	193
9	Use of Combination Chemotherapy for Treatment of Granulomatous and Lymphocytic Interstitial Lung Disease (GLILD) in Patients with Common Variable Immunodeficiency (CVID). Journal of Clinical Immunology, 2013, 33, 30-39.	3.8	183
10	Heterogeneity of human bone marrow and blood natural killer cells defined by single-cell transcriptome. Nature Communications, 2019, 10, 3931.	12.8	178
11	Development of a routine newborn screening protocol for severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2009, 124, 522-527.	2.9	173
12	Possible role of human herpesvirus 8 in the lymphoproliferative disorders in common variable immunodeficiency. Journal of Experimental Medicine, 2005, 202, 479-484.	8.5	147
13	Global study of primary immunodeficiency diseases (PI)â€”diagnosis, treatment, and economic impact: an updated report from the Jeffrey Modell Foundation. Immunologic Research, 2011, 51, 61-70.	2.9	135
14	Dose dependence and time course of the immunologic response to administration of standardized cat allergen extract. Journal of Allergy and Clinical Immunology, 2004, 114, 1339-1344.	2.9	133
15	Recommendations for live viral and bacterial vaccines inÂimmunodeficient patients and their close contacts. Journal of Allergy and Clinical Immunology, 2014, 133, 961-966.	2.9	128
16	Granulomatous disease in common variable immunodeficiency. Current Allergy and Asthma Reports, 2005, 5, 370-375.	5.3	117
17	Newborn Screening for Severe Combined Immunodeficiency; The Wisconsin Experience (2008â€“2011). Journal of Clinical Immunology, 2012, 32, 82-88.	3.8	115
18	Long-term outcomes of 176 patients with X-linked hyper-IgM syndrome treated with or without hematopoietic cell transplantation. Journal of Allergy and Clinical Immunology, 2017, 139, 1282-1292.	2.9	107

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19	Characterization of Crohn disease in X-linked inhibitor of apoptosisâ€“deficient male patients and female symptomatic carriers. Journal of Allergy and Clinical Immunology, 2014, 134, 1131-1141.e9.	2.9	101
20	All together to Fight COVID-19. American Journal of Tropical Medicine and Hygiene, 2020, 102, 1181-1183.	1.4	90
21	Granulomatous and lymphocytic interstitial lung disease: a spectrum of pulmonary histopathologic lesions in common variable immunodeficiencyâ€”histologic and immunohistochemical analyses of 16 cases. Human Pathology, 2015, 46, 1306-1314.	2.0	89
22	X-linked agammaglobulinemia (XLA): Phenotype, diagnosis, and therapeutic challenges around the world. World Allergy Organization Journal, 2019, 12, 100018.	3.5	83
23	The Wisconsin approach to newborn screening for severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2012, 129, 622-627.	2.9	81
24	Human phagocyte defect caused by a Rac2 mutation detected by means of neonatal screening for T-cell lymphopenia. Journal of Allergy and Clinical Immunology, 2011, 127, 535-538.e2.	2.9	76
25	Rubella persistence in epidermal keratinocytes and granuloma M2 macrophages in patients with primary immunodeficiencies. Journal of Allergy and Clinical Immunology, 2016, 138, 1436-1439.e11.	2.9	73
26	The Lung in Primary Immunodeficiencies: New Concepts in Infection and Inflammation. Frontiers in Immunology, 2018, 9, 1837.	4.8	72
27	Adenovirus E1A Oncogene Expression in Tumor Cells Enhances Killing by TNF-Related Apoptosis-Inducing Ligand (TRAIL). Journal of Immunology, 2000, 165, 4522-4527.	0.8	68
28	Implementing Routine Testing for Severe Combined Immunodeficiency within Wisconsin's Newborn Screening Program. Public Health Reports, 2010, 125, 88-95.	2.5	65
29	Primary Immune Deficiency Treatment Consortium (PIDTC) report. Journal of Allergy and Clinical Immunology, 2014, 133, 335-347.e11.	2.9	65
30	Adenovirus serotype 5 E1A sensitizes tumor cells to NKG2D-dependent NK cell lysis and tumor rejection. Journal of Experimental Medicine, 2005, 202, 1477-1482.	8.5	62
31	Sarcoidosis and Common Variable Immunodeficiency: Similarities and Differences. Seminars in Respiratory and Critical Care Medicine, 2014, 35, 330-335.	2.1	62
32	Autosomal Dominant Hyper-IgE Syndrome in the USIDNET Registry. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 996-1001.	3.8	62
33	Gain of Function Mutations of PIK3CD as a Cause of Primary Sclerosing Cholangitis. Journal of Clinical Immunology, 2015, 35, 11-14.	3.8	58
34	Common Variable Immunodeficiency. American Journal of Rhinology and Allergy, 2013, 27, 260-265.	2.0	57
35	Low Serum IgE Is a Sensitive and Specific Marker for Common Variable Immunodeficiency (CVID). Journal of Clinical Immunology, 2018, 38, 225-233.	3.8	48
36	Antibiotic Use After Removal of Penicillin Allergy Label. Pediatrics, 2018, 141, .	2.1	44

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37	Rituximab and antimetabolite treatment of granulomatous and lymphocytic interstitial lung disease in common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2021, 147, 704-712.e17.	2.9	42
38	Chronic Granulomatous Disease-Associated IBD Resolves and Does Not Adversely Impact Survival Following Allogeneic HCT. Journal of Clinical Immunology, 2019, 39, 653-667.	3.8	41
39	Activities of superoxide dismutases and NADPH oxidase in neutrophils obtained from asthmatic and normal donors. Inflammation, 1993, 17, 361-370.	3.8	36
40	Newborn screening for SCID: three years of experience. Annals of the New York Academy of Sciences, 2011, 1238, 99-105.	3.8	35
41	Multiplexed quantitative real-time PCR to detect 22q11.2 deletion in patients with congenital heart disease. Physiological Genomics, 2010, 42A, 52-60.	2.3	34
42	ICON: The Early Diagnosis of Congenital Immunodeficiencies. Journal of Clinical Immunology, 2014, 34, 398-424.	3.8	34
43	Macrophages Kill Human Papillomavirus Type 16 E6-Expressing Tumor Cells by Tumor Necrosis Factor Alpha- and Nitric Oxide-Dependent Mechanisms. Journal of Virology, 2005, 79, 116-123.	3.4	32
44	A Practical Approach to Newborn Screening for Severe Combined Immunodeficiency Using the T Cell Receptor Excision Circle Assay. Frontiers in Immunology, 2017, 8, 1470.	4.8	32
45	Germline IKAROS dimerization haploinsufficiency causes hematologic cytopenias and malignancies. Blood, 2021, 137, 349-363.	1.4	32
46	Constrained chromatin accessibility in PU.1-mutated agammaglobulinemia patients. Journal of Experimental Medicine, 2021, 218, .	8.5	31
47	E1A Gene Expression Induces Susceptibility to Killing by NK Cells Following Immortalization but Not Adenovirus Infection of Human Cells. Virology, 1995, 210, 421-428.	2.4	28
48	Newborn screening for T-cell deficiency. Current Opinion in Allergy and Clinical Immunology, 2010, 10, 521-525.	2.3	28
49	The Use of Salmonella Typhim Vaccine to Diagnose Antibody Deficiency. Journal of Clinical Immunology, 2017, 37, 427-433.	3.8	28
50	Screening for severe combined immunodeficiency in neonates. Clinical Epidemiology, 2013, 5, 363.	3.0	26
51	Oral amoxicillin challenges in low-risk children during a pediatric emergency department visit. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1126-1128.e1.	3.8	26
52	Anti-adenovirus type 5 cytotoxic T lymphocytes: immunodominant epitopes are encoded by the E1A gene. Journal of Virology, 1991, 65, 1450-1457.	3.4	25
53	Endogenous expression of E1A in human cells enhances the effect of adenovirus E3 on class I major histocompatibility complex antigen expression. Journal of Virology, 1993, 67, 3176-3181.	3.4	25
54	Lack of correlation between Chlamydia pneumoniae antibody titers and adult-onset asthma. Journal of Allergy and Clinical Immunology, 2000, 105, 391-392.	2.9	24

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55	Health-Related Quality of Life and Health Resource Utilization in Patients with Primary Immunodeficiency Disease Prior to and Following 12ÂMonths of Immunoglobulin G Treatment. Journal of Clinical Immunology, 2016, 36, 450-461.	3.8	24
56	IRAK4 Deficiency in a Patient with Recurrent Pneumococcal Infections: Case Report and Review of the Literature. Frontiers in Pediatrics, 2017, 5, 83.	1.9	24
57	Newborn Screening for Severe Combined Immunodeficiency. Current Allergy and Asthma Reports, 2018, 18, 34.	5.3	24
58	E1A Oncogene Induction of Cellular Susceptibility to Killing by Cytolytic Lymphocytes Through Target Cell Sensitization to Apoptotic Injury. Experimental Cell Research, 1999, 251, 414-423.	2.6	20
59	Pulmonary infection with Mycobacterium neoaurum identified by 16S ribosomal DNA sequence. Journal of Infection, 2007, 54, e227-e231.	3.3	20
60	Dissimilar Immunogenicities of Human Papillomavirus E7 and Adenovirus E1A Proteins Influence Primary Tumor Development. Virology, 2000, 277, 48-57.	2.4	19
61	Adenovirus E1A, Not Human Papillomavirus E7, Sensitizes Tumor Cells to Lysis by Macrophages Through Nitric Oxide- and TNF-Î±-Dependent Mechanisms Despite Up-Regulation of 70-kDa Heat Shock Protein. Journal of Immunology, 2003, 170, 4119-4126.	0.8	18
62	Inflammatory Signals Direct Expression of Human IL12RB1 into Multiple Distinct Isoforms. Journal of Immunology, 2012, 189, 4684-4694.	0.8	17
63	Cause of Death in Neonates with Inconclusive or Abnormal T-cell Receptor Excision Circle Assays on Newborn Screening. Journal of Clinical Immunology, 2011, 31, 962-967.	3.8	16
64	Corticosteroids in Inflammatory Bowel Disease. Journal of Clinical Gastroenterology, 1987, 9, 529-535.	2.2	14
65	Possible Role of Arginase-1 in Concomitant Tumor Immunity. PLoS ONE, 2014, 9, e91370.	2.5	14
66	E1A oncogene-induced sensitization of human tumor cells to innate immune defenses and chemotherapy-induced apoptosis in vitro and in vivo. Cancer Research, 2003, 63, 3435-43.	0.9	14
67	Association of Persistent Rubella Virus With Idiopathic Skin Granulomas in Clinically Immunocompetent Adults. JAMA Dermatology, 2022, 158, 626.	4.1	14
68	Immunodeficiency Overview. Primary Care - Clinics in Office Practice, 2008, 35, 159-173.	1.6	13
69	E1A Oncogene Enhancement of Caspase-2-Mediated Mitochondrial Injury Sensitizes Cells to Macrophage Nitric Oxide-Induced Apoptosis. Journal of Immunology, 2008, 180, 8272-8279.	0.8	12
70	Newborn screening for SCID: lessons learned. Expert Review of Hematology, 2016, 9, 579-584.	2.2	12
71	X-linked Hyper IgM Syndrome Presenting as Pulmonary Alveolar Proteinosis. Journal of Clinical Immunology, 2016, 36, 564-570.	3.8	12
72	Lack of Clinical Hypersensitivity to Penicillin Antibiotics in Common Variable Immunodeficiency. Journal of Clinical Immunology, 2017, 37, 22-24.	3.8	11

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73	CTLA4 Message Reflects Pathway Disruption in Monogenic Disorders and Under Therapeutic Blockade. Frontiers in Immunology, 2019, 10, 998.	4.8	11
74	Human IL12RB1 expression is allele-biased and produces a novel IL12 response regulator. Genes and Immunity, 2019, 20, 181-197.	4.1	11
75	Novel Hemizygous IL2RG p.(Pro58Ser) Mutation Impairs IL-2 Receptor Complex Expression on Lymphocytes Causing X-Linked Combined Immunodeficiency. Journal of Clinical Immunology, 2020, 40, 503-514.	3.8	11
76	Adenovirus E1A Proteins Regulate Phosphoenolpyruvate Carboxykinase Gene Transcription through Multiple Mechanisms. Journal of Biological Chemistry, 1996, 271, 8082-8088.	3.4	10
77	Adenovirus E1A gene-induced tumor rejection through cellular sensitization to immune and nonimmune apoptotic injuries. Frontiers in Bioscience - Landmark, 2005, 10, 1396.	3.0	10
78	Screening newborns for primary T-cell immunodeficiencies: consensus and controversy. Expert Review of Clinical Immunology, 2011, 7, 761-768.	3.0	9
79	Newborn Screening for Severe Combined Immunodeficiency. NeoReviews, 2013, 14, e448-e455.	0.8	9
80	Immunodeficiency Presenting as an Undiagnosed Disease. Pediatric Clinics of North America, 2017, 64, 27-37.	1.8	9
81	Newborn Screening for Severe Combined Immunodeficiency-A History of the TREC Assay. International Journal of Neonatal Screening, 2017, 3, 14.	3.2	9
82	Oncogenicity of human papillomavirus- or adenovirus-transformed cells correlates with resistance to lysis by natural killer cells. Journal of Virology, 1995, 69, 7639-7647.	3.4	9
83	Allergic manifestations of inborn errors of immunity and their impact on the diagnosis: A worldwide study. World Allergy Organization Journal, 2022, 15, 100657.	3.5	9
84	Hypersensitivity pneumonitis in a patient with hypogammaglobulinemiaâ˜†, â˜†â˜†, â˜…. Journal of Allergy and Clinical Immunology, 1996, 98, 710-712.	2.9	8
85	MHC class I molecules on adenovirus E1A-expressing tumor cells inhibit NK cell killing but not NK cell-mediated tumor rejection. International Immunology, 2001, 13, 1301-1307.	4.0	8
86	Expression of an E1A/E7 Chimeric Protein Sensitizes Tumor Cells to Killing by Activated Macrophages but Not NK Cells. Journal of Virology, 2004, 78, 4646-4654.	3.4	8
87	Newborn screening for SCID: where are we now?. Expert Review of Clinical Immunology, 2014, 10, 1649-1657.	3.0	7
88	The introduction of RNA-DNA differences underlies interindividual variation in the human IL12RB1 mRNA repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15414-15419.	7.1	7
89	The interaction of adenovirus E1A with p300 family members modulates cellular gene expression to reduce tumorigenicity. Journal of Cellular Biochemistry, 2007, 100, 929-940.	2.6	6
90	Screening for and Treatments of Congenital Immunodeficiency Diseases. Clinics in Perinatology, 2014, 41, 1001-1015.	2.1	6

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91	Uncommon conundrum in common variable immunodeficiency. Clinical Immunology, 2005, 116, 208-210.	3.2	5
92	PIDD-dependent activation of caspase-2-mediated mitochondrial injury in E1A-induced cellular sensitivity to macrophage nitric oxide-induced apoptosis. Cell Death Discovery, 2018, 4, 35.	4.7	5
93	Pre-event smallpox vaccination and postevent exposure and disease: a report of the Joint Task Force on Smallpox Vaccination for Allergists. Annals of Allergy, Asthma and Immunology, 2005, 94, 4-7.	1.0	4
94	A172: Metaphyseal Chondrodysplasia, Ectodermal Dysplasia, Short Stature, Hypergammaglobulinemia, and Spontaneous Inflammation Without Infections in an Extended Family Due to Mutation in NFKB1A. Arthritis and Rheumatology, 2014, 66, S224.	5.6	4
95	Omenn Syndrome Identified by Newborn Screening. Clinics in Perinatology, 2020, 47, 77-86.	2.1	4
96	Safety and Tolerability of Subcutaneous IgPro20 at High Infusion Parameters in Patients with Primary Immunodeficiency: Findings from the Pump-Assisted Administration Cohorts of the HILO Study. Journal of Clinical Immunology, 2021, 41, 458-469.	3.8	4
97	Salmonella Cervical Lymphadenitis in an Immunocompetent Child Exposed to a Snake at an Educational Exhibit. Infectious Diseases in Clinical Practice, 2012, 20, 289-290.	0.3	3
98	CREB (cAMP response element binding protein) and C/EBPÎ± (CCAAT/enhancer binding protein) are required for the superstimulation of phosphoenolpyruvate carboxykinase gene transcription by adenoviral E1a and cAMP. Biochemical Journal, 2000, 352, 335.	3.7	2
99	Granulomatous-lymphocytic Interstitial Lung Disease in a Patient with Common Variable Immunodeficiency. Journal of Allergy and Clinical Immunology: in Practice, 2014, 2, 824.	3.8	2
100	Granulomatous and lymphocytic interstitial lung disease diagnosed by transbronchial lung cryobiopsy. Cryobiology, 2020, 97, 231-234.	0.7	2
101	Pulmonary disease associated with common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2002, 109, S188-S188.	2.9	1
102	Measurement of Natural-Killer Cell Lytic Activity of Adenovirus-Infected or Adenovirus-Transformed Cells. Methods in Molecular Medicine, 2007, 131, 213-219.	0.8	1
103	Adenovirus serotype 5 E1A expressing tumor cells elicit a tumor-specific CD8+ T cell response independent of NKG2D. Results in Immunology, 2015, 5, 1-5.	2.2	1
104	Granulomatous and Lymphocytic Interstitial Lung Disease (GLILD) Associated with KMT2D Gene Mutation in Kabuki Syndrome. Journal of Allergy and Clinical Immunology, 2016, 137, AB118.	2.9	1
105	Bronchiectasis. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 315-316.	3.8	1
106	The HILO Study: High Volumes and Flow Rates of Subcutaneous IgPro20 Pump-assisted Infusions in Patients with Primary Immunodeficiency. Journal of Allergy and Clinical Immunology, 2020, 145, AB216.	2.9	1
107	Statewide Newborn Screening Program for Severe Combined Immunodeficiency (SCID) by Quantitating T-cell Receptor Excision Circles (TRECs). Journal of Allergy and Clinical Immunology, 2008, 121, 798.	2.9	0
108	A Novel XIAP Mutation Detected by Genome Wide Sequencing Causes Early Onset Inflammatory Bowel Disease. Clinical Immunology, 2010, 135, S105.	3.2	0

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109	Splenomegaly is a Useful Screening Tool for Secondary Complications in Patients With Common Variable Immunodeficiency (CVID). Journal of Allergy and Clinical Immunology, 2011, 127, AB12-AB12.	2.9	0
110	Utility of Double-Negative T-Cells As a Marker for Autoimmunity in 22q11 Deletion Syndrome Patients. Journal of Allergy and Clinical Immunology, 2013, 131, AB67.	2.9	0
111	Management of Autoimmunity and Inflammation. , 2014, , 931-942.		0
112	Assessment Of The Quality Of Life and Health Resource Utilization Burden Among Patients With Primary Immunodeficiency Disorder (PIDD) Prior To Treatment. Journal of Allergy and Clinical Immunology, 2014, 133, AB44.	2.9	0
113	Undetectable Serum IgE Is a Sensitive and Specific Marker of Common Variable Immunodeficiency (CVID). Journal of Allergy and Clinical Immunology, 2015, 135, AB275.	2.9	0
114	Changes in Health-Related Quality of Life in Patients with Primary Immunodeficiency Disorder (PIDD) Between Time of Diagnosis and 12 Months after Initiation of Immunoglobulin (Ig) Therapy. Journal of Allergy and Clinical Immunology, 2015, 135, AB137.	2.9	0
115	Defining the Percentage of T Helper 17 Cells in Patients with Eczema and Allergic Disease. Journal of Allergy and Clinical Immunology, 2016, 137, AB26.	2.9	0
116	Title: Hypersensitivity Pneumonitis in an Autosomal Recessive Chronic Granulomatous Disease Carrier. Journal of Allergy and Clinical Immunology, 2016, 137, AB116.	2.9	0
117	Reply. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 1019-1020.	3.8	0
118	Pulmonary Complications of Primary Immunodeficiencies. , 2016, , 1624-1638.e4.		0
119	Amicrobial pustolosis associated with autoimmune disease (APAD) responsive to mycophenolate and dapsone. Journal of Allergy and Clinical Immunology, 2017, 139, AB215.	2.9	0
120	Abnormal T-Cell Receptor Excision Circle Newborn Screen: What Next?. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 318-319.	3.8	0
121	E1A oncogene induced sensitization to NK cell induced apoptosis requires PIDD and Caspase-2. Cell Death Discovery, 2019, 5, 110.	4.7	0
122	Damaging BTK Variant Demonstrated by Carrier, Allele-Specific BTK Expression in B Cells and Monocytes. Journal of Clinical Immunology, 2019, 39, 23-25.	3.8	0
123	Safety Profile of High IgPro20 Infusion Parameters in Patients with Primary Immunodeficiency (PID): Results from The Forced Upward Titration HILO Study. Journal of Allergy and Clinical Immunology, 2020, 145, AB32.	2.9	0
124	Primary Immunodeficiency Diagnoses seen in Patients with Chronic Lung Disease: Findings from the USIDNET Registry. Journal of Allergy and Clinical Immunology, 2020, 145, AB178.	2.9	0
125	NKG2D dependent killing of Adenovirus serotype 5 E1A expressing tumor cells by bone marrow derived murine macrophages. FASEB Journal, 2008, 22, 1078.13.	0.5	0
126	Pulmonary Complications of Primary Immunodeficiencies. , 2010, , 1963-1981.		0

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127	Severe Combined Immune Deficiency:Newborn Screening. , 0, , 715-720.		0
128	Granulomatous Disease and Lymphoma in a Cohort of 1395 Patients with CVID in the USIDNET Registry. Journal of Scientific Innovation in Medicine, 2019, 2, .	0.1	0
129	Morbidity, Mortality, and Therapeutics in Combined Immunodeficiency: Data from the USIDNET Registry. Journal of Allergy and Clinical Immunology: in Practice, 2022, , .	3.8	0