Kimberly C Gilmour

List of Publications by Year
in descending order

135 papers	10,735 citations	44069 48 h-index	33894 99 g-index
144 all docs	144 docs citations	144 times ranked	14037 citing authors

#	Article	IF	Citations
1	Insertional mutagenesis combined with acquired somatic mutations causes leukemogenesis following gene therapy of SCID-X1 patients. Journal of Clinical Investigation, 2008, 118, 3143-3150.	8.2	1,069
2	Engineered bacteriophages for treatment of a patient with a disseminated drug-resistant Mycobacterium abscessus. Nature Medicine, 2019, 25, 730-733.	30.7	907
3	Molecular remission of infant B-ALL after infusion of universal TALEN gene-edited CAR T cells. Science Translational Medicine, 2017, 9, .	12.4	707
4	Gene therapy of X-linked severe combined immunodeficiency by use of a pseudotyped gammaretroviral vector. Lancet, The, 2004, 364, 2181-2187.	13.7	636
5	Enhanced CAR T cell expansion and prolonged persistence in pediatric patients with ALL treated with a low-affinity CD19 CAR. Nature Medicine, 2019, 25, 1408-1414.	30.7	394
6	Whole-genome sequencing of patients with rare diseases in a national health system. Nature, 2020, 583, 96-102.	27.8	338
7	Outcomes Following Gene Therapy in Patients With Severe Wiskott-Aldrich Syndrome. JAMA - Journal of the American Medical Association, 2015, 313, 1550.	7.4	327
8	X-linked lymphoproliferative disease due to SAP/SH2D1A deficiency: a multicenter study on the manifestations, management and outcome of the disease. Blood, 2011, 117, 53-62.	1.4	268
9	A prospective evaluation of degranulation assays in the rapid diagnosis of familial hemophagocytic syndromes. Blood, 2012, 119, 2754-2763.	1.4	263
10	Hematopoietic Stem Cell Gene Therapy for Adenosine Deaminaseâ€“Deficient Severe Combined Immunodeficiency Leads to Long-Term Immunological Recovery and Metabolic Correction. Science Translational Medicine, 2011, 3, 97ra80.	12.4	257
11	Long-Term Persistence of a Polyclonal T Cell Repertoire After Gene Therapy for X-Linked Severe Combined Immunodeficiency. Science Translational Medicine, 2011, 3, 97ra79.	12.4	208
12	Successful Reconstitution of Immunity in ADA-SCID by Stem Cell Gene Therapy Following Cessation of PEG-ADA and Use of Mild Preconditioning. Molecular Therapy, 2006, 14, 505-513.	8.2	200
13	Gammaretrovirus-mediated correction of SCID-X1 is associated with skewed vector integration site distribution in vivo. Journal of Clinical Investigation, 2007, 117, 2241-2249.	8.2	185
14	Stem cell transplantation with reduced-intensity conditioning for hemophagocytic lymphohistiocytosis. Blood, 2006, 107, 1233-1236.	1.4	176
15	Lentiviral gene therapy for X-linked chronic granulomatous disease. Nature Medicine, 2020, 26, 200-206.	30.7	175
16	The syndrome of hemophagocytic lymphohistiocytosis in primary immunodeficiencies: implications for differential diagnosis and pathogenesis. Haematologica, 2015, 100, 978-988.	3.5	161
17	Immunotherapy of HCC metastases with autologous T cell receptor redirected T cells, targeting HBsAg in a liver transplant patient. Journal of Hepatology, 2015, 62, 486-491.	3.7	160
18	Impact of thymoglobulin prior to pediatric unrelated umbilical cord blood transplantation on immune reconstitution and clinical outcome. Blood, 2014, 123, 126-132.	1.4	149

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19	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. Nature, 2020, 583, 90-95.	27.8	148
20	Phenotypic and Genotypic Characterisation of Inflammatory Bowel Disease Presenting Before the Age of 2 years. Journal of Crohn's and Colitis, 2017, 11, 60-69.	1.3	146
21	Deficiency of Adenosine Deaminase Type 2: A Description of Phenotype and Genotype in Fifteen Cases. Arthritis and Rheumatology, 2016, 68, 2314-2322.	5.6	139
22	Failure of SCID-X1 gene therapy in older patients. Blood, 2005, 105, 4255-4257.	1.4	128
23	Comparison of primary human cytotoxic T-cell and natural killer cell responses reveal similar molecular requirements for lytic granule exocytosis but differences in cytokine production. Blood, 2013, 121, 1345-1356.	1.4	122
24	Autologous Ex Vivo Lentiviral Gene Therapy for Adenosine Deaminase Deficiency. New England Journal of Medicine, 2021, 384, 2002-2013.	27.0	122
25	Autoinflammatory periodic fever, immunodeficiency, and thrombocytopenia (PFIT) caused by mutation in actin-regulatory gene WDR1 . Journal of Experimental Medicine, 2017, 214, 59-71.	8.5	117
26	â€˜The long tail of Covid-19â€™ - The detection of a prolonged inflammatory response after a SARS-CoV-2 infection in asymptomatic and mildly affected patients. F1000Research, 2020, 9, 1349.	1.6	116
27	Omission of in vivo Tâ€cell depletion promotes rapid expansion of naÃ¯ve CD4⁺ cord blood lymphocytes and restores adaptive immunity within 2â€ƒmonths after unrelated cord blood transplant. British Journal of Haematology, 2012, 156, 656-666.	2.5	112
28	Thymus transplantation for complete DiGeorge syndrome: European experience. Journal of Allergy and Clinical Immunology, 2017, 140, 1660-1670.e16.	2.9	108
29	Antitumor activity without on-target off-tumor toxicity of GD2â€“chimeric antigen receptor T cells in patients with neuroblastoma. Science Translational Medicine, 2020, 12, .	12.4	108
30	Myelin oligodendrocyte glycoprotein and aquaporinâ€4 antibodies are highly specific in children with acquired demyelinating syndromes. Developmental Medicine and Child Neurology, 2018, 60, 958-962.	2.1	105
31	Point-of-care serological assays for delayed SARS-CoV-2 case identification among health-care workers in the UK: a prospective multicentre cohort study. Lancet Respiratory Medicine,the, 2020, 8, 885-894.	10.7	105
32	SAP mediates specific cytotoxic T-cell functions in X-linked lymphoproliferative disease. Blood, 2004, 103, 3821-3827.	1.4	104
33	Biallelic JAK1 mutations in immunodeficient patient with mycobacterial infection. Nature Communications, 2016, 7, 13992.	12.8	104
34	Evaluation of a novel multiplexed assay for determining IgG levels and functional activity to SARS-CoV-2. Journal of Clinical Virology, 2020, 130, 104572.	3.1	97
35	â€˜The long tail of Covid-19â€™ - The detection of a prolonged inflammatory response after a SARS-CoV-2 infection in asymptomatic and mildly affected patients. F1000Research, 2020, 9, 1349.	1.6	95
36	Gene therapy for Wiskott-Aldrich syndrome in a severely affected adult. Blood, 2017, 130, 1327-1335.	1.4	83

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37	The expansion of human T-bet ^{high} CD21 ^{low} B cells is T cell dependent. Science Immunology, 2021, 6, eabh0891.	11.9	82
38	Cord blood T cells mediate enhanced antitumor effects compared with adult peripheral blood T cells. Blood, 2015, 126, 2882-2891.	1.4	81
39	Signal transducer and activator of transcription 2 deficiency is a novel disorder of mitochondrial fission. Brain, 2015, 138, 2834-2846.	7.6	78
40	First Clinical Application of Talen Engineered Universal CAR19 T Cells in B-ALL. Blood, 2015, 126, 2046-2046.	1.4	75
41	The impact of telomere erosion on memory CD8+ T cells in patients with X-linked lymphoproliferative syndrome. Mechanisms of Ageing and Development, 2005, 126, 855-865.	4.6	72
42	A prospective study on the natural history of patients with profound combined immunodeficiency: An interim analysis. Journal of Allergy and Clinical Immunology, 2017, 139, 1302-1310.e4.	2.9	71
43	Clinical impact of a targeted next-generation sequencing gene panel for autoinflammation and vasculitis. PLoS ONE, 2017, 12, e0181874.	2.5	69
44	Lack of T-cell responses following autologous tumour lysate pulsed dendritic cell vaccination, in patients with relapsed osteosarcoma. Clinical and Translational Oncology, 2012, 14, 271-279.	2.4	60
45	X-linked lymphoproliferative disease: clinical, diagnostic and molecular perspective. British Journal of Haematology, 2002, 119, 585-595.	2.5	59
46	Clinical and immunologic consequences of a somatic reversion in a patient with X-linked severe combined immunodeficiency. Blood, 2008, 112, 4090-4097.	1.4	59
47	Coordinated oncogenic transformation and inhibition of host immune responses by the PAX3-FKHR fusion oncoprotein. Journal of Experimental Medicine, 2005, 202, 1399-1410.	8.5	53
48	Age-Related Seroprevalence of Antibodies Against AAV-LK03 in a UK Population Cohort. Human Gene Therapy, 2019, 30, 79-87.	2.7	51
49	STXBP2 mutations in children with familial haemophagocytic lymphohistiocytosis type 5. Journal of Medical Genetics, 2010, 47, 595-600.	3.2	48
50	Thirdâ€party virusâ€specific T cells eradicate adenoviraemia but trigger bystander graftâ€versusâ€host disease. British Journal of Haematology, 2011, 154, 150-153.	2.5	48
51	Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes. American Journal of Human Genetics, 2018, 103, 3-18.	6.2	46
52	Long-Term Persistence of Spike Protein Antibody and Predictive Modeling of Antibody Dynamics After Infection With Severe Acute Respiratory Syndrome Coronavirus 2. Clinical Infectious Diseases, 2022, 74, 1220-1229.	5.8	45
53	A case of XMEN syndrome presented with severe auto-immune disorders mimicking autoimmune lymphoproliferative disease. Clinical Immunology, 2015, 159, 58-62.	3.2	41
54	Deep sequencing reveals persistence of cell-associated mumps vaccine virus in chronic encephalitis. Acta Neuropathologica, 2017, 133, 139-147.	7.7	41

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55	Patients with Griscelli syndrome and normal pigmentation identify RAB27A mutations that selectively disrupt MUNC13-4 binding. Journal of Allergy and Clinical Immunology, 2015, 135, 1310-1318.e1.	2.9	40
56	One hundred percent survival after transplantation of 34 patients with Wiskott-Aldrich syndrome over 20Âyears. Journal of Allergy and Clinical Immunology, 2018, 142, 1654-1656.e7.	2.9	39
57	Clinical and immunological features in a cohort of patients with partial DiGeorge syndrome followed at a single center. Blood, 2019, 133, 2586-2596.	1.4	39
58	Capture and generation of adenovirus specific T cells for adoptive immunotherapy. British Journal of Haematology, 2007, 136, 117-126.	2.5	38
59	Mutations in linker for activation of TÂcells (LAT) lead to a novel form of severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2017, 139, 634-642.e5.	2.9	38
60	Somatic mosaicism and common genetic variation contribute to the risk of very-early-onset inflammatory bowel disease. Nature Communications, 2020, 11, 995.	12.8	37
61	New graft manipulation strategies improve the outcome of mismatched stem cell transplantation in children with primary immunodeficiencies. Journal of Allergy and Clinical Immunology, 2019, 144, 280-293.	2.9	35
62	Disruption of AP3B1by a chromosome 5 inversion: a new disease mechanism in Hermansky-Pudlak syndrome type 2. BMC Medical Genetics, 2013, 14, 42.	2.1	32
63	Cord blood transplantation recapitulates fetal ontogeny with a distinct molecular signature that supports CD4+ T-cell reconstitution. Blood Advances, 2017, 1, 2206-2216.	5.2	32
64	Norovirus Infections Occur in B-Cellâ€“Deficient Patients: Table 1.. Clinical Infectious Diseases, 2016, 62, 1136-1138.	5.8	31
65	Interferonâ€Î³ capture <scp>T</scp> cell therapy for persistent <scp>A</scp>denoviraemia following allogeneic haematopoietic stem cell transplantation. British Journal of Haematology, 2013, 161, 449-452.	2.5	30
66	Comparability of six different immunoassays measuring SARSâ€CoV â€2 antibodies with neutralizing antibody levels in convalescent plasma: From utility to prediction. Transfusion, 2021, 61, 2837-2843.	1.6	29
67	Pathogenesis and diagnosis of X-linked lymphoproliferative disease. Expert Review of Molecular Diagnostics, 2003, 3, 549-561.	3.1	25
68	A novel FOXP3 mutation causing fetal akinesia and recurrent male miscarriages. Clinical Immunology, 2015, 161, 284-285.	3.2	25
69	X-linked Inhibitor of Apoptosis Complicated by Granulomatous Lymphocytic Interstitial Lung Disease (GLILD) and Granulomatous Hepatitis. Journal of Clinical Immunology, 2016, 36, 733-738.	3.8	25
70	Key diagnostic markers for autoimmune lymphoproliferative syndrome with molecular genetic diagnosis. Blood, 2020, 136, 1933-1945.	1.4	24
71	Consequences of Identifying XIAP Deficiency in an Adult Patient With Inflammatory Bowel Disease. Gastroenterology, 2018, 155, 231-234.	1.3	22
72	Novel Gain-of-Function Mutation in Stat1 Sumoylation Site Leads to CMC/CID Phenotype Responsive to Ruxolitinib. Journal of Clinical Immunology, 2019, 39, 776-785.	3.8	21

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73	correspondence: A novel assay for investigation of suspected familial haemophagocytic lymphohistiocytosis. British Journal of Haematology, 2010, 150, 727-730.	2.5	20
74	Identification of Heterozygous Single- and Multi-exon Deletions in IL7R by Whole Exome Sequencing. Journal of Clinical Immunology, 2017, 37, 42-50.	3.8	20
75	Multicenter phase 1/2 application of adenovirus-specific T cells in high-risk pediatric patients after allogeneic stem cell transplantation. Cytotherapy, 2018, 20, 830-838.	0.7	20
76	Recommendations for uniform definitions used in newborn screening for severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2022, 149, 1428-1436.	2.9	19
77	Missense mutations in the perforin (PRF1) gene as a cause of hereditary cancer predisposition. OncoImmunology, 2016, 5, e1179415.	4.6	18
78	Combined immunodeficiency due to JAK3 mutation in a child presenting with skin granuloma. Journal of Allergy and Clinical Immunology, 2016, 137, 948-951.e5.	2.9	17
79	Cutaneous Vasculitis and Recurrent Infection Caused by Deficiency in Complement Factor I. Frontiers in Immunology, 2018, 9, 735.	4.8	17
80	Treatment dilemmas in asymptomatic children with primary hemophagocytic lymphohistiocytosis. Blood, 2018, 132, 2088-2096.	1.4	17
81	Curation and expansion of Human Phenotype Ontology for defined groups of inborn errors of immunity. Journal of Allergy and Clinical Immunology, 2022, 149, 369-378.	2.9	16
82	Rapid protein-based assays for the diagnosis of T- B+ severe combined immunodeficiency. British Journal of Haematology, 2001, 112, 671-676.	2.5	15
83	Protein assays for diagnosis of Wiskott-Aldrich syndrome and X-linked thrombocytopenia. British Journal of Haematology, 2001, 113, 861-865.	2.5	14
84	Common variable immunodeficiency and natural killer cell lymphopenia caused by Ets-binding site mutation in the IL-2 receptor Î³ (IL2RG) gene promoter. Journal of Allergy and Clinical Immunology, 2016, 137, 940-942.e4.	2.9	14
85	Progressive neurologic disorder: Initial manifestation of hemophagocytic lymphohistiocytosis. Neurology, 2016, 86, 2109-2111.	1.1	14
86	Development and Validation of a Targeted Next-Generation Sequencing Gene Panel for Children With Neuroinflammation. JAMA Network Open, 2019, 2, e1914274.	5.9	14
87	Screening assays for primary haemophagocytic lymphohistiocytosis in children presenting with suspected macrophage activation syndrome. Pediatric Rheumatology, 2015, 13, 48.	2.1	12
88	Development of anti-PAX3 immune responses; a target for cancer immunotherapy. Cancer Immunology, Immunotherapy, 2007, 56, 1381-1395.	4.2	11
89	Signal transducer and activator of transcription 5 tyrosine phosphorylation for the diagnosis and monitoring of patients with severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2009, 123, 505-508.	2.9	11
90	22q11.2 Deletion Syndrome with Life-Threatening Adenovirus Infection. Journal of Pediatrics, 2013, 163, 908-910.	1.8	11

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91	Cord blood CD8+ T-cell expansion following granulocyte transfusions eradicates refractory leukemia. Blood Advances, 2020, 4, 4165-4174.	5.2	11
92	MRI Patterns in Pediatric CNS Hemophagocytic Lymphohistiocytosis. American Journal of Neuroradiology, 2021, 42, 2077-2085.	2.4	11
93	Optimization of methodology for production of CD25/CD71 allodepleted donor T cells for clinical use. Cytotherapy, 2013, 15, 109-121.	0.7	10
94	Long-term outcomes for adults with chronic granulomatous disease in the United Kingdom. Journal of Allergy and Clinical Immunology, 2021, 147, 1104-1107.	2.9	10
95	Cutaneous Vasculitis and Digital Ischaemia Caused by Heterozygous Gain-of-Function Mutation in C3. Frontiers in Immunology, 2018, 9, 2524.	4.8	8
96	Secondary C1q Deficiency in Activated PI3KÎ´ Syndrome Type 2. Frontiers in Immunology, 2019, 10, 2589.	4.8	7
97	Novel IL2RG Mutation Causes Leaky TLOWB+NK+ SCID With Nodular Regenerative Hyperplasia and Normal IL-15 STAT5 Phosphorylation. Journal of Pediatric Hematology/Oncology, 2019, 41, 328-333.	0.6	6
98	Increased proportions of Î³Î´ T lymphocytes in atypical SCID associate with disease manifestations. Clinical Immunology, 2019, 201, 30-34.	3.2	6
99	T cell phenotype in paediatric heart transplant recipients. Pediatric Transplantation, 2021, 25, e13930.	1.0	6
100	Janus kinase inhibition for autoinflammation in patients with DNASE2 deficiency. Journal of Allergy and Clinical Immunology, 2020, 145, 701-705.e8.	2.9	5
101	TT52CAR19: Phase 1 Trial of CRISPR/Cas9 Edited Allogeneic CAR19 T Cells for Paediatric Relapsed/Refractory B-ALL. Blood, 2021, 138, 4838-4838.	1.4	4
102	T-cell responses to SARS-CoV-2 in healthy controls and primary immunodeficiency patients. Clinical and Experimental Immunology, 2022, 207, 336-339.	2.6	4
103	Haemophagocytic lymphohistiocytosis complicating visceral leishmaniasis in the UK: a case for detailed travel history, a high index of suspicion and timely diagnostics. BMJ Case Reports, 2019, 12, e228307.	0.5	3
104	Therapy of Paediatric B-ALL with a Fast Off Rate CD19 CAR Leads to Enhanced Expansion and Prolonged CAR T Cell Persistence in Patients with Low Bone Marrow Tumour Burden, and Is Associated with a Favourable Toxicity Profile. Blood, 2019, 134, 225-225.	1.4	3
105	Use of MRP8/14 in clinical practice as a predictor of outcome after methotrexate withdrawal in patients with juvenile idiopathic arthritis. Clinical Rheumatology, 2022, 41, 2825-2830.	2.2	3
106	High Prevalence of Hemophagocytic Lymphohistiocytosis in Acute Liver Failure of Infancy. Journal of Pediatrics, 2022, 250, 67-74.e1.	1.8	3
107	Male X-chromosome mosaicism leading to carrier phenotype and inheritance of chronic granulomatous disease. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 1775-1777.e1.	3.8	2
108	Different Phenotypic Presentations of X-Linked Lymphoproliferative Disease in Siblings with Identical Mutations. Journal of Clinical Immunology, 2019, 39, 523-526.	3.8	2

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109	88â€...Validation of controlled rate freezing of T-Cells for KYMRIAHÂ® production. , 2019, , .		2
110	Naive B Cell Output in HIV-Infected and HIV-Uninfected Children. AIDS Research and Human Retroviruses, 2019, 35, 33-39.	1.1	2
111	Haematopoietic Stem Cell Transplantation for DNA Ligase 1 Deficiency. Journal of Clinical Immunology, 2021, 41, 238-242.	3.8	2
112	Long-term lymphoid progenitors independently sustain naÃ¯ve T and NK cell production in humans. Nature Communications, 2021, 12, 1622.	12.8	2
113	COVID-19 Infection of HSCT Recipients Is Associated with High Mortality but No Detectable Cytokine Storm at Presentation. Blood, 2021, 138, 1788-1788.	1.4	2
114	SARS-CoV-2-specific T-cell responses to recurrent COVID-19 pneumonitis in a patient with post-CART B cell aplasia. Blood Advances, 2022, , .	5.2	1
115	Patients with <scp>XLP</scp> type 1 have variable numbers of <scp>NKT</scp> cells. British Journal of Haematology, 2022, , .	2.5	1
116	Diagnosis of HLH: two siblings, two distinct genetic causes. Clinical and Experimental Immunology, 2022, 207, 205-207.	2.6	1
117	R08â€ƒReal-life use of MRP8/14 serum level measurement in clinical practice as a predictor of outcome after stopping methotrexate in patients with juvenile idiopathic arthritis. Rheumatology, 2018, 57, .	1.9	0
118	P24â€ƒCan high ANA titre combined with clinical features predict developing autoimmune conditions in children?. Rheumatology, 2019, 58, .	1.9	0
119	26â€...What tests are useful for ALPS?. , 2019, , .		0
120	P82â€ƒMulti-centre cross-specialty recommendations for the investigation of suspected adult onset secondary haemophagocytic lymphohistiocytosis (HLH). Rheumatology, 2020, 59, .	1.9	0
121	P14â€...Clinical genomics for the diagnosis of monogenic forms of inflammatory bowel disease: The 2020 ESPGHAN position paper and its implications for UK service provision in 2021. , 2021, , .		0
122	Rapid Expansion of Naive CD4+ Cord Blood Lymphocytes Restores Adaptive Immunity within 2 Months After Unrelated Cord Blood Transplantation. Blood, 2010, 116, 2337-2337.	1.4	0
123	Antibody Deficiencies. , 0, , 737-748.		0
124	83â€...Immune reconstitution of patients with unrelated allogeneic haematopoietic transplants. , 2019, , .		0
125	31â€...Cyopreservation and recovery of thymus tissue prior to transplantation into paediatric patients with DiGeorge syndrome. , 2019, , .		0
126	85â€...Cultured thymus tissue is a rich source of immune cells for MHC restriction studies. , 2019, , .		0

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127	T-Cell Reconstitution after Unrelated Donor HSCT Using Immunotherapy with CD25/71 Allodepleted Donor T Cells: Results of the Randomised Icat Study. Blood, 2019, 134, 1995-1995.	1.4	0
128	34â€...Can high ANA titre combined with clinical features predict developing autoimmune conditions in children?. , 2019, , .		0
129	Long-Term Persistence of Spike Antibody and Predictive Modeling of Antibody Dynamics Following Infection with SARS-CoV-2. SSRN Electronic Journal, 0, , .	0.4	0
130	Bipotent Lymphoid Progenitors Independently Maintain Long-Term Genetically Engineered T and NK Cell Production in Humans. Blood, 2020, 136, 50-50.	1.4	0
131	Investigating suspected immune deficiency in children. Paediatrics and Child Health (United Kingdom), 2022, , .	0.4	0
132	59â€...A functional assay to measure the t cell response to SARS-COV-2 in primary immunodeficiency patients. , 2021, , .		0
133	Flow Cytometry Confirmation Post Newborn Screening for SCID in England. International Journal of Neonatal Screening, 2022, 8, 1.	3.2	0
134	71â€...Establishment of an assay for the determination of ADA2 activity. , 2021, , .		0
135	Longevity and neutralisation activity of secretory IgA following SARS-CoV-2 infection. Access Microbiology, 2022, 4, .	0.5	0