Jacques J M Van Dongen

List of Publications by Year
in descending order

128 papers	10,100 citations	36303 51 h-index	37204 96 g-index
141 all docs	141 docs citations	141 times ranked	9682 citing authors

#	Article	IF	Citations
1	Standardized RT-PCR analysis of fusion gene transcripts from chromosome aberrations in acute leukemia for detection of minimal residual disease. Leukemia, 1999, 13, 1901-1928.	7.2	1,038
2	Immunophenotyping of blood lymphocytes in childhoodReference values for lymphocyte subpopulations. Journal of Pediatrics, 1997, 130, 388-393.	1.8	661
3	Increased cell division but not thymic dysfunction rapidly affects the T-cell receptor excision circle content of the naive T cell population in HIV-1 infection. Nature Medicine, 2000, 6, 1036-1042.	30.7	384
4	Primers and protocols for standardized detection of minimal residual disease in acute lymphoblastic leukemia using immunoglobulin and T cell receptor gene rearrangements and TAL1 deletions as PCR targets Report of the BIOMED-1 CONCERTED ACTION: Investigation of minimal residual disease in acute leukemia. Leukemia, 1999, 13, 110-118.	7.2	328
5	Standardized flow cytometry for highly sensitive MRD measurements in B-cell acute lymphoblastic leukemia. Blood, 2017, 129, 347-357.	1.4	323
6	New insights on human T cell development by quantitative T cell receptor gene rearrangement studies and gene expression profiling. Journal of Experimental Medicine, 2005, 201, 1715-1723.	8.5	318
7	Real-time quantitative PCR for the detection of minimal residual disease in acute lymphoblastic leukemia using junctional region specific TaqMan probes. Leukemia, 1998, 12, 2006-2014.	7.2	306
8	Immunophenotypic differentiation patterns of normal hematopoiesis in human bone marrow: Reference patterns for age-related changes and disease-induced shifts. Cytometry, 2004, 60B, 1-13.	1.8	266
9	Molecular and flow cytometric analysis of the Vβ repertoire for clonality assessment in mature TCR$\alpha\beta$ T-cell proliferations. Blood, 2001, 98, 165-173.	1.4	230
10	Age-associated distribution of normal B-cell and plasma cell subsets in peripheral blood. Journal of Allergy and Clinical Immunology, 2018, 141, 2208-2219.e16.	2.9	217
11	Flow cytometric analysis of normal B cell differentiation: a frame of reference for the detection of minimal residual disease in precursor-B-ALL. Leukemia, 1999, 13, 419-427.	7.2	205
12	The Bruton's tyrosine kinase gene is expressed throughout B cell differentiation, from early precursor B cell stages preceding immunoglobulin gene rearrangement up to mature B cell stages. European Journal of Immunology, 1993, 23, 3109-3114.	2.9	199
13	Heteroduplex PCR analysis of rearranged T cell receptor genes for clonality assessment in suspect T cell proliferations. Leukemia, 1997, 11, 2192-2199.	7.2	196
14	Immunophenotype of normal vs. myeloma plasma cells: Toward antibody panel specifications for <scp>MRD</scp> detection in multiple myeloma. Cytometry Part B - Clinical Cytometry, 2016, 90, 61-72.	1.5	177
15	Standardized next-generation sequencing of immunoglobulin and T-cell receptor gene recombinations for MRD marker identification in acute lymphoblastic leukaemia; a EuroClonality-NGS validation study. Leukemia, 2019, 33, 2241-2253.	7.2	177
16	Measurable Residual Disease by Next-Generation Flow Cytometry in Multiple Myeloma. Journal of Clinical Oncology, 2020, 38, 784-792.	1.6	175
17	Flow cytometric analysis of the V? repertoire in healthy controls. Cytometry, 2000, 40, 336-345.	1.8	174
18	Early stages in the development of human T, natural killer and thymic dendritic cells. Immunological Reviews, 1998, 165, 75-86.	6.0	168

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19	Quality assessment program for <scp>E</scp>uro<scp>F</scp>low protocols: Summary results of fourâ€year (2010â€"2013) quality assurance rounds. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 145-156.	1.5	144
20	Minimal residual disease levels in bone marrow and peripheral blood are comparable in children with T cell acute lymphoblastic leukemia (ALL), but not in precursor-B-ALL. Leukemia, 2002, 16, 1432-1436.	7.2	129
21	BIOMED-1 concerted action report: flow cytometric immunophenotyping of precursor B-ALL with standardized triple-stainings. Leukemia, 2001, 15, 1185-1192.	7.2	128
22	Ig Heavy Chain Gene Rearrangements in T-Cell Acute Lymphoblastic Leukemia Exhibit Predominant Dh6-19 and Dh7-27 Gene Usage, Can Result in Complete V-D-J Rearrangements, and Are Rare in T-Cell Receptor îœ€Î² Lineage. Blood, 1999, 93, 4079-4085.	1.4	124
23	Immunoglobulin kappa deleting element rearrangements in precursor-B acute lymphoblastic leukemia are stable targets for detection of minimal residual disease by real-time quantitative PCR. Leukemia, 2002, 16, 928-936.	7.2	120
24	Overview of clinical flow cytometry data analysis: recent advances and future challenges. Trends in Biotechnology, 2013, 31, 415-425.	9.3	119
25	Consensus guidelines for myeloma minimal residual disease sample staining and data acquisition. Cytometry Part B - Clinical Cytometry, 2016, 90, 26-30.	1.5	108
26	T cell receptor gamma gene rearrangements as targets for detection of minimal residual disease in acute lymphoblastic leukemia by real-time quantitative PCR analysis. Leukemia, 2002, 16, 1372-1380.	7.2	107
27	Wnt signaling in the thymus is regulated by differential expression of intracellular signaling molecules. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3322-3326.	7.1	105
28	BIOMED-1 Concerted Action report: Flow cytometric characterization of CD7+ cell subsets in normal bone marrow as a basis for the diagnosis and follow-up of T cell acute lymphoblastic leukemia (T-ALL). Leukemia, 2000, 14, 816-825.	7.2	104
29	Longitudinal Survey of Lymphocyte Subpopulations in the First Year of Life. Pediatric Research, 2000, 47, 528-537.	2.3	103
30	The EuroFlow PID Orientation Tube for Flow Cytometric Diagnostic Screening of Primary Immunodeficiencies of the Lymphoid System. Frontiers in Immunology, 2019, 10, 246.	4.8	100
31	Circulating Human CD27â^'IgA+ Memory B Cells Recognize Bacteria with Polyreactive Igs. Journal of Immunology, 2015, 195, 1417-1426.	0.8	99
32	Regenerating normal B-cell precursors during and after treatment of acute lymphoblastic leukaemia: implications for monitoring of minimal residual disease. British Journal of Haematology, 2000, 110, 139-146.	2.5	95
33	Human thymus contains multipotent progenitors with T/B lymphoid, myeloid, and erythroid lineage potential. Blood, 2006, 107, 3131-3137.	1.4	94
34	Non-random expression of T cell receptor Î³ and Î´ variable gene segments in functional T lymphocyte clones from human peripheral blood. European Journal of Immunology, 1989, 19, 1559-1568.	2.9	91
35	Real-time quantitative PCR for detection of minimal residual disease before allogeneic stem cell transplantation predicts outcome in children with acute lymphoblastic leukemia. Leukemia, 2001, 15, 1485-1487.	7.2	91
36	Immunoglobulin and T cell receptor gene rearrangement patterns in acute lymphoblastic leukemia are less mature in adults than in children: implications for selection of PCR targets for detection of minimal residual disease. Leukemia, 1998, 12, 1081-1088.	7.2	89

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37	Precursor-B-ALL with DH–JH gene rearrangements have an immature immunogenotype with a high frequency of oligoclonality and hyperdiploidy of chromosome 14. Leukemia, 2001, 15, 1415-1423.	7.2	86
38	CD123 expression levels in 846 acute leukemia patients based on standardized immunophenotyping. Cytometry Part B - Clinical Cytometry, 2019, 96, 134-142.	1.5	82
39	Heterogeneity in junctional regions of immunoglobulin kappa deleting element rearrangements in B cell leukemias: a new molecular target for detection of minimal residual disease. Leukemia, 1997, 11, 2200-2207.	7.2	81
40	Generation of flow cytometry data files with a potentially infinite number of dimensions. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 834-846.	1.5	81
41	Prolonged activation of nasal immune cell populations and development of tissue-resident SARS-CoV-2-specific CD8+ T cell responses following COVID-19. Nature Immunology, 2022, 23, 23-32.	14.5	74
42	Regeneration pattern of precursor-B-cells in bone marrow of acute lymphoblastic leukemia patients depends on the type of preceding chemotherapy. Leukemia, 2000, 14, 688-695.	7.2	73
43	Age-related changes in the cellular composition of the thymus in children. Journal of Allergy and Clinical Immunology, 2005, 115, 834-840.	2.9	71
44	Quality control and quantification in IG/TR next-generation sequencing marker identification: protocols and bioinformatic functionalities by EuroClonality-NGS. Leukemia, 2019, 33, 2254-2265.	7.2	70
45	Impact of blood storage and sample handling on quality of high dimensional flow cytometric data in multicenter clinical research. Journal of Immunological Methods, 2019, 475, 112616.	1.4	67
46	PERISCOPE: road towards effective control of pertussis. Lancet Infectious Diseases, The, 2019, 19, e179-e186.	9.1	67
47	Blood monitoring of circulating tumor plasma cells by next generation flow in multiple myeloma after therapy. Blood, 2019, 134, 2218-2222.	1.4	66
48	A model for predicting effect of treatment on progression-free survival using MRD as a surrogate end point in CLL. Blood, 2018, 131, 955-962.	1.4	61
49	A probabilistic approach for the evaluation of minimal residual disease by multiparameter flow cytometry in leukemic B-cell chronic lymphoproliferative disorders. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 1141-1150.	1.5	60
50	Fusion gene transcripts and Ig/TCR gene rearrangements are complementary but infrequent targets for PCR-based detection of minimal residual disease in acute myeloid leukemia. Leukemia, 2002, 16, 368-375.	7.2	58
51	Detection of T cell receptor beta (TCRB) gene rearrangement patterns in T cell malignancies by Southern blot analysis. Leukemia, 1999, 13, 965-974.	7.2	56
52	Immunophenotypic and immunogenotypic characteristics of TCRγδ+ T cell acute lymphoblastic leukemia. Leukemia, 1999, 13, 206-214.	7.2	53
53	Rapid and sensitive detection of all types of MLL gene translocations with a single FISH probe set. Leukemia, 1999, 13, 2107-2113.	7.2	52
54	T cell receptor gamma (TCRG) gene rearrangements in T cell acute lymphoblastic leukemia reflect 'end-stage' recombinations: implications for minimal residual disease monitoring. Leukemia, 2000, 14, 1208-1214.	7.2	52

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55	Antigen Receptors on T and B Lymphocytes: Parallels in Organization and Function. Immunological Reviews, 1993, 132, 49-84.	6.0	48
56	Cranial irradiation is the major cause of learning problems in children treated for leukemia and lymphoma: a comparative study. Leukemia, 1997, 11, 1197-1200.	7.2	47
57	Unique morphological spectrum of lymphomas in Nijmegen breakage syndrome (NBS) patients with high frequency of consecutive lymphoma formation. Journal of Pathology, 2008, 216, 337-344.	4.5	44
58	EuroFlow-Based Flowcytometric Diagnostic Screening and Classification of Primary Immunodeficiencies of the Lymphoid System. Frontiers in Immunology, 2019, 10, 1271.	4.8	43
59	Blocking of the High-Affinity Interaction-Synapse Between SARS-CoV-2 Spike and Human ACE2 Proteins Likely Requires Multiple High-Affinity Antibodies: An Immune Perspective. Frontiers in Immunology, 2020, 11, 570018.	4.8	43
60	From big flow cytometry datasets to smart diagnostic strategies: The EuroFlow approach. Journal of Immunological Methods, 2019, 475, 112631.	1.4	42
61	Two types of gamma T cell receptors expressed by T cell acute lymphoblastic leukemias. European Journal of Immunology, 1987, 17, 1719-1728.	2.9	39
62	Age Distribution of Multiple Functionally Relevant Subsets of CD4+ T Cells in Human Blood Using a Standardized and Validated 14-Color EuroFlow Immune Monitoring Tube. Frontiers in Immunology, 2020, 11, 166.	4.8	39
63	EuroFlow Lymphoid Screening Tube (LST) data base for automated identification of blood lymphocyte subsets. Journal of Immunological Methods, 2019, 475, 112662.	1.4	35
64	Multiple clonal Ig/TCR products: implications for interpretation of clonality findings. Journal of Hematopathology, 2012, 5, 35-43.	0.4	33
65	Molecular discrimination between relapsed and secondary acute lymphoblastic leukemia: Proposal for an easy strategy. Medical and Pediatric Oncology, 2001, 36, 352-358.	1.0	32
66	Prognostic value of MRD in CLL patients with comorbidities receiving chlorambucil plus obinutuzumab or rituximab. Blood, 2019, 133, 494-497.	1.4	32
67	Induction of clinical remission in T-large granular lymphocyte leukemia with cyclosporin A, monitored by use of immunophenotyping with Vβ^2 antibodies. Leukemia, 1998, 12, 150-154.	7.2	29
68	Easy detection of all T cell receptor gamma (TCRG) gene rearrangements by Southern blot analysis: recommendations for optimal results. Leukemia, 1999, 13, 1620-1626.	7.2	29
69	Optimization and testing of dried antibody tube: The EuroFlow LST and PIDOT tubes as examples. Journal of Immunological Methods, 2019, 475, 112287.	1.4	29
70	Improved Sézary cell detection and novel insights into immunophenotypic and molecular heterogeneity in Sézary syndrome. Blood, 2021, 138, 2539-2554.	1.4	28
71	Identification of checkpoints in human T-cell development using severe combined immunodeficiency stem cells. Journal of Allergy and Clinical Immunology, 2016, 137, 517-526.e3.	2.9	26
72	Frequent issues and lessons learned from EuroFlow QA. Journal of Immunological Methods, 2019, 475, 112520.	1.4	26

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73	The Cellular Immune Response to Rabies Vaccination: A Systematic Review. Vaccines, 2019, 7, 110.	4.4	25
74	Comments on EuroFlow standard operating procedures for instrument setup and compensation for BD FACS Canto II, Navios and BD FACS Lyric instruments. Journal of Immunological Methods, 2019, 475, 112680.	1.4	24
75	How to make usage of the standardized EuroFlow 8-color protocols possible for instruments of different manufacturers. Journal of Immunological Methods, 2019, 475, 112388.	1.4	23
76	Immunoglobulin light chain gene rearrangements display hierarchy in absence of selection for functionality in precursor-B-ALL. Leukemia, 2002, 16, 1448-1453.	7.2	22
77	MRD Detection in B-Cell Non-Hodgkin Lymphomas Using Ig Gene Rearrangements and Chromosomal Translocations as Targets for Real-Time Quantitative PCR. Methods in Molecular Biology, 2019, 1956, 199-228.	0.9	22
78	Four aged siblings with B cell chronic lymphocytic leukemia. Leukemia, 1997, 11, 2060-2065.	7.2	21
79	Immunoglobulin lambda isotype gene rearrangements in B cell malignancies. Leukemia, 2001, 15, 121-127.	7.2	20
80	The peripheral blood compartment in patient with Graves' disease: activated T lymphocytes and increased transitional and pre-naive mature B lymphocytes. Clinical and Experimental Immunology, 2013, 174, n/a-n/a.	2.6	20
81	Lot-to-lot stability of antibody reagents for flow cytometry. Journal of Immunological Methods, 2019, 475, 112294.	1.4	20
82	Expression profile of novel cell surface molecules on different subsets of human peripheral blood antigen-presenting cells. Clinical and Translational Immunology, 2016, 5, e100.	3.8	19
83	Residual normal B-cell profiles in monoclonal B-cell lymphocytosis versus chronic lymphocytic leukemia. Leukemia, 2018, 32, 2701-2705.	7.2	19
84	CD38 expression in paediatric leukaemia and lymphoma: implications for antibody targeted therapy. British Journal of Haematology, 2018, 180, 292-296.	2.5	18
85	Highly Sensitive Flow Cytometry Allows Monitoring of Changes in Circulating Immune Cells in Blood After Tdap Booster Vaccination. Frontiers in Immunology, 2021, 12, 666953.	4.8	17
86	Anti-TRBC1 Antibody-Based Flow Cytometric Detection of T-Cell Clonality: Standardization of Sample Preparation and Diagnostic Implementation. Cancers, 2021, 13, 4379.	3.7	17
87	Complete Multilineage CD4 Expression Defect Associated With Warts Due to an Inherited Homozygous CD4 Gene Mutation. Frontiers in Immunology, 2019, 10, 2502.	4.8	15
88	Quantification of T-Cell and B-Cell Replication History in Aging, Immunodeficiency, and Newborn Screening. Frontiers in Immunology, 2019, 10, 2084.	4.8	15
89	Automated identification of leukocyte subsets improves standardization of database-guided expert-supervised diagnostic orientation in acute leukemia: a EuroFlow study. Modern Pathology, 2021, 34, 59-69.	5.5	15
90	Flow cytometric detection of intracellular antigens for immunophenotyping of normal and malignant leukocytes: testing of a new fixation-permeabilization solution. Leukemia, 1997, 11, 2208-2210.	7.2	14

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91	The presence of somatic mutations in immunoglobulin genes of B cell acute lymphoblastic leukemia (ALL-L3) supports assignment as Burkitt's leukemia–lymphoma rather than B-lineage ALL. Leukemia, 2001, 15, 1141-1143.	7.2	14
92	Delineating Human B Cell Precursor Development With Genetically Identified PID Cases as a Model. Frontiers in Immunology, 2019, 10, 2680.	4.8	14
93	Population matched (pm) germline allelic variants of immunoglobulin (IG) loci: Relevance in infectious diseases and vaccination studies in human populations. Genes and Immunity, 2021, 22, 172-186.	4.1	14
94	Highly Sensitive Flow Cytometric Detection of Residual B-Cells After Rituximab in Anti-Neutrophil Cytoplasmic Antibodies-Associated Vasculitis Patients. Frontiers in Immunology, 2020, 11, 566732.	4.8	13
95	Biased Igλ expression in hypermutated IgD multiple myelomas does not result from receptor revision. Leukemia, 2002, 16, 1358-1361.	7.2	12
96	B-Cell Immunophenotyping to Predict Vaccination Outcome in the Immunocompromised - A Systematic Review. Frontiers in Immunology, 2021, 12, 690328.	4.8	12
97	Lymphoma with multi-gene rearrangement on the level of immunoglobulin heavy chain, light chain, and T-cell receptor β chain. , 1998, 59, 99-100.		11
98	Detection of clonal EBV episomes in lymphoproliferations as a diagnostic tool. Leukemia, 2002, 16, 1572-1573.	7.2	11
99	Flow cytometric assessment of leukocyte kinetics for the monitoring of tissue damage. Clinical Immunology, 2018, 197, 224-230.	3.2	11
100	Improved Standardization of Flow Cytometry Diagnostic Screening of Primary Immunodeficiency by Software-Based Automated Gating. Frontiers in Immunology, 2020, 11, 584646.	4.8	11
101	Monocytes carrying GFAP detect glioma, brain metastasis and ischaemic stroke, and predict glioblastoma survival. Brain Communications, 2021, 3, fcaa215.	3.3	11
102	Age and Primary Vaccination Background Influence the Plasma Cell Response to Pertussis Booster Vaccination. Vaccines, 2022, 10, 136.	4.4	11
103	Immunophenotypic Analysis of Acute Megakaryoblastic Leukemia: A EuroFlow Study. Cancers, 2022, 14, 1583.	3.7	11
104	Abnormal Signal Transduction in a Patient with Severe Combined Immunodeficiency Disease. Pediatric Research, 1991, 29, 306-309.	2.3	10
105	A single split-signal FISH probe set allows detection of TAL1 translocations as well as SIL-TAL1 fusion genes in a single test. Leukemia, 2002, 16, 755-761.	7.2	10
106	Monocyte Subsets and Serum Inflammatory and Bone-Associated Markers in Monoclonal Gammopathy of Undetermined Significance and Multiple Myeloma. Cancers, 2021, 13, 1454.	3.7	10
107	High-Sensitive TRBC1-Based Flow Cytometric Assessment of T-Cell Clonality in Tαβ-Large Granular Lymphocytic Leukemia. Cancers, 2022, 14, 408.	3.7	10
108	Basophil-lineage commitment in acute promyelocytic leukemia predicts for severe bleeding after starting therapy. Modern Pathology, 2018, 31, 1318-1331.	5.5	9

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109	Expert-independent classification of mature B-cell neoplasms using standardized flow cytometry: a multicentric study. Blood Advances, 2021, , .	5.2	9
110	The scid mouse environment causes immunophenotypic changes in human immature T-cell lines. International Journal of Cancer, 1994, 56, 546-551.	5.1	8
111	Understanding the reconstitution of the Bâ€cell compartment in bone marrow and blood after treatment for Bâ€cell precursor acute lymphoblastic leukaemia. British Journal of Haematology, 2017, 178, 267-278.	2.5	8
112	Standardised immunophenotypic analysis of myeloperoxidase in acute leukaemia. British Journal of Haematology, 2021, 193, 922-927.	2.5	6
113	B-Cell Regeneration Profile and Minimal Residual Disease Status in Bone Marrow of Treated Multiple Myeloma Patients. Cancers, 2021, 13, 1704.	3.7	6
114	Low frequency of reverse transcription polymerase chain reaction-detectable chromosome aberrations in relapsed acute myeloid leukaemia: implications for detection of minimal residual disease. British Journal of Haematology, 2001, 113, 1076-1089.	2.5	5
115	Consistent B Cell Receptor Immunoglobulin Features Between Siblings in Familial Chronic Lymphocytic Leukemia. Frontiers in Oncology, 2021, 11, 740083.	2.8	5
116	Flow Cytometry Immunophenotyping for Diagnostic Orientation and Classification of Pediatric Cancer Based on the EuroFlow Solid Tumor Orientation Tube (STOT). Cancers, 2021, 13, 4945.	3.7	5
117	Intensified therapy for infants with acute lymphoblastic leukemia. Cancer, 1998, 83, 1055-1057.	4.1	3
118	Detailed immune monitoring of a pregnant woman with critical Covid-19. Journal of Reproductive Immunology, 2021, 143, 103243.	1.9	3
119	Impact of Pre-Analytical and Analytical Variables Associated with Sample Preparation on Flow Cytometric Stainings Obtained with EuroFlow Panels. Cancers, 2022, 14, 473.	3.7	3
120	Quality Assessment of a Large Multi-Center Flow Cytometric Dataset of Acute Myeloid Leukemia Patientsâ€"A EuroFlow Study. Cancers, 2022, 14, 2011.	3.7	3
121	Immunoglobulin and T-cell receptor gene rearrangements. , 2006, , 210-234.		2
122	EuroFlow and its activities: Introduction to the special EuroFlow issue of The Journal of Immunological Methods. Journal of Immunological Methods, 2019, 475, 112704.	1.4	2
123	Longitudinal Dynamics of Human B-Cell Response at the Single-Cell Level in Response to Tdap Vaccination. Vaccines, 2021, 9, 1352.	4.4	2
124	pmTR database: population matched (pm) germline allelic variants of T-cell receptor (TR) loci. Genes and Immunity, 2022, 23, 99-110.	4.1	2
125	Flow cytometric analysis of the VÎ² repertoire in healthy controls. , 0, .		1
126	Minimal residual disease. , 2006, , 679-706.		1

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127	A NOTCH1-Independant Pathway of c-Myc Oncogenesis in TAL1+ Human T-ALL.. Blood, 2007, 110, 4162-4162.	1.4	0
128	Reply to the Commentary on population matched (pm) germline allelic variants of immunoglobulin (IG) loci: relevance in infectious diseases and vaccination studies in human populations. Genes and Immunity, 2021, 22, 339-342.	4.1	0