Tomas Kalina

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Early-onset pulmonary and cutaneous vasculitis driven by constitutively active SRC-family kinase HCK. Journal of Allergy and Clinical Immunology, 2022, 149, 1464-1472.e3.	2.9	10
2	Either IL-7 activation of JAK-STAT or BEZ inhibition of PI3K-AKT-mTOR pathways dominates the single-cell phosphosignature of <i>ex vivo</i> treated pediatric T-cell acute lymphoblastic leukemia cells. Haematologica, 2022, 107, 1293-1310.	3.5	8
3	<scp>TLR8</scp> / <scp>TLR7</scp> dysregulation due to a novel <i>TLR8</i> mutation causes severe autoimmune hemolytic anemia and autoinflammation in identical twins. American Journal of Hematology, 2022, 97, 338-351.	4.1	17
4	Standardization of Workflow and Flow Cytometry Panels for Quantitative Expression Profiling of Surface Antigens on Blood Leukocyte Subsets: An HCDM CDMaps Initiative. Frontiers in Immunology, 2022, 13, 827898.	4.8	8
5	Hydrops fetalis and failure of hematopoietic stem cell transplantation – A long route to the diagnosis of SPTA1-associated hereditary spherocytosis. Blood Cells, Molecules, and Diseases, 2022, 95, 102664.	1.4	0
6	<i>DUX4r</i> , <i>ZNF384r</i> and <i>PAX5</i> -P80R mutated B-cell precursor acute lymphoblastic leukemia frequently undergo monocytic switch. Haematologica, 2021, 106, 2066-2075.	3.5	29
7	Pigmentary retinopathy can indicate the presence of pathogenic LAMP2 variants even in somatic mosaic carriers with no additional signs of Danon disease. Acta Ophthalmologica, 2021, 99, 61-68.	1.1	5
8	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
9	Immunogenicity of BNT162b2 mRNA COVID-19 vaccine and SARS-CoV-2 infection in lung transplant recipients. Journal of Heart and Lung Transplantation, 2021, 40, 754-758.	0.6	106
10	Somatic Mutations in Oncogenes Are in Chronic Myeloid Leukemia Acquired De Novo via Deregulated Base-Excision Repair and Alternative Non-Homologous End Joining. Frontiers in Oncology, 2021, 11, 744373.	2.8	2
11	A distinct CD38+CD45RA+ population of CD4+, CD8+, and double-negative T cells is controlled by FAS. Journal of Experimental Medicine, 2021, 218, .	8.5	25
12	Expert-independent classification of mature B-cell neoplasms using standardized flow cytometry: a multicentric study. Blood Advances, 2021, , .	5.2	9
13	Impaired Humoral Response to Third Dose of BNT162b2 mRNA COVID-19 Vaccine Despite Detectable Spike Protein–specific T cells in Lung Transplant Recipients. Transplantation, 2021, Publish Ahead of Print, .	1.0	26
14	Reproducibility of Flow Cytometry Through Standardization: Opportunities and Challenges. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 137-147.	1.5	39
15	Relevance of Antibody Validation for Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 126-136.	1.5	21
16	Alu â€mediated Xq24 deletion encompassing CUL4B , LAMP2 , ATP1B4 , TMEM255A , and ZBTB33 genes causes Danon disease in a female patient. American Journal of Medical Genetics, Part A, 2020, 182, 219-223.	1.2	9
17	Danon disease is an underdiagnosed cause of advanced heart failure in young female patients: a LAMP2 flow cytometric study. ESC Heart Failure, 2020, 7, 2534-2543.	3.1	8
18	A homozygous deletion in the SLC19A1 gene as a cause of folate-dependent recurrent megaloblastic anemia. Blood, 2020, 135, 2427-2431.	1.4	13

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19	Flash survey on severe acute respiratory syndrome coronavirus-2 infections in paediatric patients on anticancer treatment. European Journal of Cancer, 2020, 132, 11-16.	2.8	155
20	EuroFlow Standardized Approach to Diagnostic Immunopheneotyping of Severe PID in Newborns and Young Children. Frontiers in Immunology, 2020, 11, 371.	4.8	17
21	Editorial: Application of Cytometry in Primary Immunodeficiencies. Frontiers in Immunology, 2020, 11, 463.	4.8	4
22	Dissection of the Pre-Germinal Center B-Cell Maturation Pathway in Common Variable Immunodeficiency Based on Standardized Flow Cytometric EuroFlow Tools. Frontiers in Immunology, 2020, 11, 603972.	4.8	13
23	THU0053â€CONTRIBUTION OF DEFECTIVE NON-APOPTOTIC FAS SIGNALING TO IMMUNE DYSREGULATION IN AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME (ALPS). Annals of the Rheumatic Diseases, 2020, 79, 238.3-238.	0.9	0
24	Single-Cell Profiling of Signal Transduction Pathways in Pediatric T-Cell Acute Lymphoblastic Leukemia By Mass Cytometry:Dissecting JAK/STAT and PI3K/Akt/mTOR Active Signalling. Blood, 2020, 136, 38-39.	1.4	0
25	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
26	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
27	CD Maps—Dynamic Profiling of CD1–CD100 Surface Expression on Human Leukocyte and Lymphocyte Subsets. Frontiers in Immunology, 2019, 10, 2434.	4.8	39
28	Fluorochrome choices for multi-color flow cytometry. Journal of Immunological Methods, 2019, 475, 112618.	1.4	43
29	EuroFlow-Based Flowcytometric Diagnostic Screening and Classification of Primary Immunodeficiencies of the Lymphoid System. Frontiers in Immunology, 2019, 10, 1271.	4.8	43
30	Implementation of Mass Cytometry for Immunoprofiling of Patients with Solid Tumors. Journal of Immunology Research, 2019, 2019, 1-10.	2.2	3
31	Cytometric analysis of cell suspension generated by cavitron ultrasonic surgical aspirator in pediatric brain tumors. Journal of Neuro-Oncology, 2019, 143, 15-25.	2.9	3
32	Defects in memory B-cell and plasma cell subsets expressing different immunoglobulin-subclasses in patients with CVID and immunoglobulin subclass deficiencies. Journal of Allergy and Clinical Immunology, 2019, 144, 809-824.	2.9	55
33	Novel SAMD9 Mutation in a Patient With Immunodeficiency, Neutropenia, Impaired Anti-CMV Response, and Severe Gastrointestinal Involvement. Frontiers in Immunology, 2019, 10, 2194.	4.8	12
34	Heterologous Cytomegalovirus and Allo-Reactivity by Shared T Cell Receptor Repertoire in Kidney Transplantation. Frontiers in Immunology, 2019, 10, 2549.	4.8	20
35	Delineating Human B Cell Precursor Development With Genetically Identified PID Cases as a Model. Frontiers in Immunology, 2019, 10, 2680.	4.8	14
36	Lymphoproliferation, immunodeficiency and early-onset inflammatory bowel disease associated with a novel mutation in Caspase 8. Haematologica, 2019, 104, e32-e34.	3.5	14

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37	Frequent issues and lessons learned from EuroFlow QA. Journal of Immunological Methods, 2019, 475, 112520.	1.4	26
38	Selection and validation of antibody clones against IgG and IgA subclasses in switched memory B-cells and plasma cells. Journal of Immunological Methods, 2019, 475, 112372.	1.4	17
39	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
40	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
41	Lot-to-lot stability of antibody reagents for flow cytometry. Journal of Immunological Methods, 2019, 475, 112294.	1.4	20
42	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
43	CD Maps - Dynamic Profiling of CD1 to CD100 Surface Expression on Human Leukocyte and Lymphocyte Subsets. Blood, 2019, 134, 4878-4878.	1.4	0
44	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
45	Automated database-guided expert-supervised orientation for immunophenotypic diagnosis and classification of acute leukemia. Leukemia, 2018, 32, 874-881.	7.2	44
46	A high-throughput pipeline for validation of antibodies. Nature Methods, 2018, 15, 909-912.	19.0	52
47	<i>LAMP2</i> exon opy number variations in Danon disease heterozygote female probands: Infrequent or underdetected?. American Journal of Medical Genetics, Part A, 2018, 176, 2430-2434.	1.2	9
48	Utility of Ruxolitinib in a Child with Chronic Mucocutaneous Candidiasis Caused by a Novel STAT1 Gain-of-Function Mutation. Journal of Clinical Immunology, 2018, 38, 589-601.	3.8	70
49	CVID-Associated Tumors: Czech Nationwide Study Focused on Epidemiology, Immunology, and Genetic Background in a Cohort of Patients With CVID. Frontiers in Immunology, 2018, 9, 3135.	4.8	45
50	Switching Towards Monocytic Lineage and Discordancy between Flow Cytometric and PCR Minimal Residual Disease Results Is a Hallmark Feature of DUX4 Rearranged B-Cell Precursor Acute Lymphoblastic Leukemia. Blood, 2018, 132, 2825-2825.	1.4	2
51	Appearance of cytomegalovirusâ€specific <scp>T</scp> â€cells predicts fast resolution of viremia post hematopoietic stem cell transplantation. Cytometry Part B - Clinical Cytometry, 2017, 92, 380-388.	1.5	18
52	p19-targeted ABD-derived protein variants inhibit IL-23 binding and exert suppressive control over IL-23-stimulated expansion of primary human IL-17+ T-cells. Autoimmunity, 2017, 50, 102-113.	2.6	20
53	Genetic defects in PI3Kδaffect B-cell differentiation and maturation leading to hypogammaglobulineamia and recurrent infections. Clinical Immunology, 2017, 176, 77-86.	3.2	80
54	Common Variable Immunodeficiency patients with a phenotypic profile of immunosenescence present with thrombocytopenia. Scientific Reports, 2017, 7, 39710.	3.3	31

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55	EVI2B is a C/EBPα target gene required for granulocytic differentiation and functionality of hematopoietic progenitors. Cell Death and Differentiation, 2017, 24, 705-716.	11.2	25
56	Detailed immunophenotyping of Bâ€cell precursors in regenerating bone marrow of acute lymphoblastic leukaemia patients: implications for minimal residual disease detection. British Journal of Haematology, 2017, 178, 257-266.	2.5	37
57	Alteration of B cell subsets and the receptor for B cell activating factor (BAFF) in paediatric patients with type 1 diabetes. Immunology Letters, 2017, 189, 94-100.	2.5	19
58	Acute lymphoblastic leukemia with aleukemic prodrome: preleukemic dynamics and possible mechanisms of immunosurveillance. Haematologica, 2017, 102, e225-e228.	3.5	4
59	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
60	Lymphocyte enrichment using CD81â€ŧargeted immunoaffinity matrix. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 62-72.	1.5	9
61	Loss of B cells and their precursors is the most constant feature of GATA-2 deficiency in childhood myelodysplastic syndrome. Haematologica, 2016, 101, 707-716.	3.5	51
62	MetaMass, a tool for meta-analysis of subcellular proteomics data. Nature Methods, 2016, 13, 837-840.	19.0	30
63	High-resolution Antibody Array Analysis of Childhood Acute Leukemia Cells. Molecular and Cellular Proteomics, 2016, 15, 1246-1261.	3.8	10
64	Quantitative expression of regulatory and differentiation-related genes in the key steps of human hematopoiesis: The LeukoStage Database. Differentiation, 2016, 91, 19-28.	1.9	7
65	Polyclonal, newly derived T cells with low expression of inhibitory molecule PD-1 in tonsils define the phenotype of lymphocytes in children with Periodic Fever, Aphtous Stomatitis, Pharyngitis and Adenitis (PFAPA) syndrome. Molecular Immunology, 2015, 65, 139-147.	2.2	38
66	Quality assessment program for <scp>E</scp> uro <scp>F</scp> low protocols: Summary results of fourâ€year (2010–2013) quality assurance rounds. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 145-156.	1.5	144
67	LAMP2 flow cytometry in peripheral white blood cells is an established method that facilitates identification of heterozygous Danon disease female patients and mosaic mutation carriers. Journal of Cardiology, 2015, 66, 88-89.	1.9	6
68	Regulatory B cells in CVID patients fail to suppress multifunctional IFN-γ+TNF-α+CD4+ T cells differentiation. Clinical Immunology, 2015, 160, 292-300.	3.2	46
69	Low marginal zone-like B lymphocytes and natural antibodies characterize skewed B-lymphocyte subpopulations in del22q11 DiGeorge patients. Clinical Immunology, 2015, 161, 144-149.	3.2	11
70	The TREC/KREC Assay for the Diagnosis and Monitoring of Patients with DiGeorge Syndrome. PLoS ONE, 2014, 9, e114514.	2.5	34
71	CD2-positive B-cell precursor acute lymphoblastic leukemia with an early switch to the monocytic lineage. Leukemia, 2014, 28, 609-620.	7.2	43
72	Analyses of large flow cytometry datasets. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 203-205.	1.5	6

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73	Mosaic tissue distribution of the tandem duplication of <i>LAMP2</i> exons 4 and 5 demonstrates the limits of Danon disease cellular and molecular diagnostics. Journal of Inherited Metabolic Disease, 2014, 37, 117-124.	3.6	17
74	Flow diagnostics essential code: A simple and brief format for the summary of leukemia phenotyping. , 2014, 86, 288-291.		10
75	Human interleukinâ€23 receptor antagonists derived from an albuminâ€binding domain scaffold inhibit ILâ€23â€dependent <i>ex vivo</i> expansion of ILâ€17â€producing Tâ€cells. Proteins: Structure, Function and Bioinformatics, 2014, 82, 975-989.	2.6	31
76	Cytokines, growth, and environment factors in bone marrow plasma of acute lymphoblastic leukemia pediatric patients. European Cytokine Network, 2014, 25, 8-13.	2.0	5
77	Potential Involvement of Physiological TCR Gamma Delta Clones in Immune Surveillance of Preleukemic Cells. Blood, 2014, 124, 3775-3775.	1.4	0
78	Flow diagnostics essential (FDE) code: A simple and brief format for the summary of leukemia phenotyping. , 2013, , n/a-n/a.		5
79	Novel Flow Cytometry-Based Method Of Affinity Proteomics Revealing Expression, Post-Translational Modification and Proteolysis In Primary Childhood Acute Leukemias. Blood, 2013, 122, 2553-2553.	1.4	0
80	Flow cytometric immunobead assay for fast and easy detection of PML–RARA fusion proteins for the diagnosis of acute promyelocytic leukemia. Leukemia, 2012, 26, 1976-1985.	7.2	27
81	Danon disease: A focus on processing of the novel LAMP2 mutation and comments on the beneficial use of peripheral white blood cells in the diagnosis of LAMP2 deficiency. Gene, 2012, 498, 183-195.	2.2	27
82	EuroFlow standardization of flow cytometer instrument settings and immunophenotyping protocols. Leukemia, 2012, 26, 1986-2010.	7.2	668
83	EuroFlow antibody panels for standardized n-dimensional flow cytometric immunophenotyping of normal, reactive and malignant leukocytes. Leukemia, 2012, 26, 1908-1975.	7.2	738
84	The adaptor protein NTAL enhances proximal signaling and potentiates corticosteroid-induced apoptosis in T-ALL. Experimental Hematology, 2012, 40, 379-385.	0.4	7
85	An automated analysis of highly complex flow cytometryâ€based proteomic data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 120-129.	1.5	13
86	Characterization of the B-cell compartment in a patient with Schnitzler syndrome. Scandinavian Journal of Rheumatology, 2011, 40, 158-160.	1.1	5
87	Signature profiles of CMV-specific T-cells in patients with CMV reactivation after hematopoietic SCT. Bone Marrow Transplantation, 2011, 46, 1089-1098.	2.4	43
88	Multiplexed immunoâ€precipitation with 1725 commercially available antibodies to cellular proteins. Proteomics, 2011, 11, 4578-4582.	2.2	27
89	Regulation of Src Family Kinases Involved in T Cell Receptor Signaling by Protein-tyrosine Phosphatase CD148. Journal of Biological Chemistry, 2011, 286, 22101-22112.	3.4	46
90	Dual Production of IL-2 and IFN-Gamma by CMV-Specific CD8+ T-Cells Is a Hallmark of Their Ability to Control CMV Reactivation in Patients After Hematopoietic Stem Cell Transplantation,. Blood, 2011, 118, 4081-4081.	1.4	0

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91	Aberrantly expressed CEACAM6 is involved in the signaling leading to apoptosis of acute lymphoblastic leukemia cells. Experimental Hematology, 2010, 38, 653-660.e1.	0.4	14
92	Detection of residual B precursor lymphoblastic leukemia by uniform gating flow cytometry. Pediatric Blood and Cancer, 2010, 54, 62-70.	1.5	29
93	Interlaboratory variability of CD34+ stem cell enumeration. A pilot study to national external quality assessment within the Czech Republic. International Journal of Laboratory Hematology, 2010, 32, e229-36.	1.3	5
94	Detection of fusion genes at the protein level in leukemia patients via the flow cytometric immunobead assay. Best Practice and Research in Clinical Haematology, 2010, 23, 333-345.	1.7	23
95	Characterization of Lymphocyte Subsets in Patients with Common Variable Immunodeficiency Reveals Subsets of Naive Human B Cells Marked by CD24 Expression. Journal of Immunology, 2010, 185, 6431-6438.	0.8	23
96	Prognosis of children with mixed phenotype acute leukemia treated on the basis of consistent immunophenotypic criteria. Haematologica, 2010, 95, 928-935.	3.5	63
97	B Precursor ALL Subset with Aberrant CD2 Expression and a Specific Predisposition to Early Monocytic Transdifferentiation. Blood, 2010, 116, 1708-1708.	1.4	0
98	Kinetics of dendritic cells reconstitution and costimulatory molecules expression after myeloablative allogeneic haematopoetic stem cell transplantation: Implications for the development of acute graft-versus host disease. Clinical Immunology, 2009, 131, 60-69.	3.2	25
99	Profiling of polychromatic flow cytometry data on Bâ€cells reveals patients' clusters in common variable immunodeficiency. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 902-909.	1.5	24
100	Flow cytometric immunobead assay for the detection of BCR–ABL fusion proteins in leukemia patients. Leukemia, 2009, 23, 1106-1117.	7.2	75
101	Backtracking of ALL to cord blood. Leukemia Research, 2009, 33, e107-e108.	0.8	2
102	Adaptor molecules expression in normal lymphopoiesis and in childhood leukemia. Immunology Letters, 2009, 122, 185-192.	2.5	10
103	Selected Adaptor Proteins NTAL, LAT, PAG, LIME Function in Proximal Signaling, Corticosteroid Driven Apoptosis and Expression of IKAROS Isoforms in the T-Leukemic Cells Blood, 2009, 114, 5034-5034.	1.4	10
104	CD44 and CD27 delineate Bâ€precursor stages with different recombination status and with an uneven distribution in nonmalignant and malignant hematopoiesis. Tissue Antigens, 2008, 71, 57-66.	1.0	22
105	Flow Cytometric Detection of BCR-ABL Fusion Proteins in Leukemia Patients Via An Immunobead Assay. Blood, 2008, 112, 2533-2533.	1.4	0
106	The Identification of (ETV6)/RUNX1-Regulated Genes in Lymphopoiesis Using Histone Deacetylase Inhibitors in ETV6/RUNX1-Positive Lymphoid Leukemic Cells. Clinical Cancer Research, 2007, 13, 1726-1735.	7.0	19
107	Unrelated partially matched lymphocyte infusions in a patient with complete DiGeorge/CHARGE syndrome. Pediatric Transplantation, 2007, 11, 441-447.	1.0	26
108	CD27 expression in malignant and normal human B precursors: a confirmed phenomenon. Reply to Nilsson and colleagues Experimental Hematology, 2006, 34, 573.	0.4	1

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109	De novo generation of CD4 T cells against viruses present in the host during immune reconstitution. Blood, 2005, 105, 2410-2414.	1.4	14
110	TEL/AML1 and immunoreceptor gene rearrangements—which comes first?. Leukemia Research, 2005, 29, 633-639.	0.8	6
111	Transfer of genomics information to flow cytometry: expression of CD27 and CD44 discriminates subtypes of acute lymphoblastic leukemia. Leukemia, 2005, 19, 876-878.	7.2	36
112	Correlation of CD33 with poorer prognosis in childhood ALL implicates a potential of anti-CD33 frontline therapy. Leukemia, 2005, 19, 1092-1094.	7.2	22
113	Myeloid antigens in childhood lymphoblastic leukemia:clinical data point to regulation of CD66c distinct from other myeloid antigens. BMC Cancer, 2005, 5, 38.	2.6	40
114	Lymphoid Differentiation Pathways Can Be Traced by TCR δ Rearrangements. Journal of Immunology, 2005, 175, 2495-2500.	0.8	25
115	Interleukin-7 improves reconstitution of antiviral CD4 T cells. Biology of Blood and Marrow Transplantation, 2005, 11, 53-54.	2.0	1
116	Interleukin-7 improves reconstitution of antiviral CD4 T cells. Clinical Immunology, 2005, 114, 30-41.	3.2	30
117	Recovery from and consequences of severe iatrogenic lymphopenia (induced to treat autoimmune) Tj ETQq1 1 0	.784314 ı 3.2	gBT/Overlo
118	Microarray Guided Flow Cytometry: CD44 and CD27 Are Extremely Powerful Discriminators of ALL Subtypes Blood, 2004, 104, 168-168.	1.4	6
119	Histone Deacetylase Inhibitors Are Capable to Modify Leukaemia-Specific Phenotype of TEL/AML1-Positive Leukaemic Cells Blood, 2004, 104, 1891-1891.	1.4	1
120	Acute lymphoblastic leukemia incidence during socioeconomic transition: selective increase in children from 1 to 4 years. Leukemia, 0, 16, 720-725.	7.2	20