

Attila Tarnok

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

3,498
citations

30
h-index

56
g-index

211
ext. papers

4,258
ext. citations

4.4
avg, IF

5.3
L-index

#	Paper	IF	Citations
94	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485
93	Increase of circulating endothelial progenitor cells in patients with coronary artery disease after exercise-induced ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 684-90	9.4	299
92	Aneuploidy and DNA replication in the normal human brain and Alzheimer's disease. <i>Journal of Neuroscience</i> , 2007 , 27, 6859-67	6.6	200
91	The axonal recognition molecule F11 is a multifunctional protein: specific domains mediate interactions with Ng-CAM and restrictin. <i>Neuron</i> , 1993 , 10, 711-27	13.9	179
90	Microfluidic impedance-based flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010 , 77, 648-66	4.6	174
89	Induction of axonal growth by heterophilic interactions between the cell surface recognition proteins F11 and Nr-CAM/Bravo. <i>Neuron</i> , 1993 , 11, 1113-22	13.9	114
88	In vivo flow cytometry: a horizon of opportunities. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011 , 79, 737-45	4.6	94
87	Approaching clinical proteomics: current state and future fields of application in fluid proteomics. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 724-44	5.9	94
86	Phenotypes of stem cells from diverse origin. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010 , 77, 6-10	4.6	92
85	Cytometric bead array to measure six cytokines in twenty-five microliters of serum. <i>Clinical Chemistry</i> , 2003 , 49, 1000-2	5.5	87
84	Clinical applications of laser scanning cytometry. <i>Cytometry</i> , 2002 , 50, 133-43		71
83	Differences in the kinetics of gamma-H2AX fluorescence decay after exposure to low and high LET radiation. <i>International Journal of Radiation Biology</i> , 2010 , 86, 682-91	2.9	66
82	Polychromatic (eight-color) slide-based cytometry for the phenotyping of leukocyte, NK, and NKT subsets. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005 , 65, 103-15	4.6	61
81	Native extracellular matrix: a new scaffolding platform for repair of damaged muscle. <i>Frontiers in Physiology</i> , 2014 , 5, 218	4.6	59
80	Dengue Fever, COVID-19 (SARS-CoV-2), and Antibody-Dependent Enhancement (ADE): A Perspective. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 662-667	4.6	54
79	Inflammation in tissue engineering: The Janus between engraftment and rejection. <i>European Journal of Immunology</i> , 2015 , 45, 3222-36	6.1	53
78	Changes in neuronal DNA content variation in the human brain during aging. <i>Aging Cell</i> , 2012 , 11, 628-33	9.9	52

77	Neuronal differentiation of P19 embryonal carcinoma cells modulates kinin B2 receptor gene expression and function. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19576-86	5.4	49
76	Comparative immunophenotyping of equine multipotent mesenchymal stromal cells: an approach toward a standardized definition. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 678-87	4.6	48
75	Chicken acidic leucine-rich EGF-like domain containing brain protein (CALEB), a neural member of the EGF family of differentiation factors, is implicated in neurite formation. <i>Journal of Cell Biology</i> , 1997 , 136, 895-906	7.3	48
74	Hyperchromatic cytometry principles for cytomics using slide based cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006 , 69, 691-703	4.6	47
73	Approaching clinical proteomics: current state and future fields of application in cellular proteomics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 816-32	4.6	41
72	Reference intervals for leukocyte subsets in adults: Results from a population-based study using 10-color flow cytometry. <i>Cytometry Part B - Clinical Cytometry</i> , 2015 , 88, 270-81	3.4	40
71	Iterative restaining as a pivotal tool for n-color immunophenotyping by slide-based cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006 , 69, 127-30	4.6	40
70	Immunophenotyping of peripheral blood leukocytes by laser scanning cytometry. <i>Journal of Immunological Methods</i> , 2000 , 246, 175-85	2.5	40
69	Cytomics goes 3D: toward tissomics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005 , 65, 1-3	4.6	36
68	Three-dimensional imaging technologies: a priority for the advancement of tissue engineering and a challenge for the imaging community. <i>Journal of Biophotonics</i> , 2017 , 10, 24-45	3.1	35
67	Assessment of immunosuppressive drug interactions: inhibition of lymphocyte function in peripheral human blood. <i>Journal of Immunological Methods</i> , 2003 , 283, 99-114	2.5	35
66	Rapid in vitro biocompatibility assay of endovascular stents by flow cytometry using platelet activation and platelet-leukocyte aggregation. <i>Cytometry</i> , 1999 , 38, 30-9		35
65	Comparison of immunophenotyping by slide-based cytometry and by flow cytometry. <i>Journal of Immunological Methods</i> , 2006 , 311, 130-8	2.5	34
64	Slide-based cytometry for cytomics--a minireview. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006 , 69, 555-62	4.6	30
63	Assay validation of phosphorylated S6 ribosomal protein for a pharmacodynamic monitoring of mTOR-inhibitors in peripheral human blood. <i>Cytometry Part B - Clinical Cytometry</i> , 2012 , 82, 151-7	3.4	27
62	Nanoparticle uptake by macrophages in vulnerable plaques for atherosclerosis diagnosis. <i>Journal of Biophotonics</i> , 2015 , 8, 871-83	3.1	25
61	Synergistic effects of sirolimus with cyclosporine and tacrolimus: analysis of immunosuppression on lymphocyte proliferation and activation in rat whole blood. <i>Transplantation</i> , 2004 , 77, 1154-62	1.8	25
60	Characterization of pressure-induced calcium response in neuronal cell lines. <i>Cytometry</i> , 2001 , 43, 175-81		21

59	Cardiopulmonary bypass-induced increase of serum interleukin-10 levels in children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 475-7	1.5	20
58	Preoperative prediction of postoperative edema and effusion in pediatric cardiac surgery by altered antigen expression patterns on granulocytes and monocytes. <i>Cytometry</i> , 2001 , 46, 247-53		20
57	OMIP-023: 10-color, 13 antibody panel for in-depth phenotyping of human peripheral blood leukocytes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 781-4	4.6	19
56	Mycophenolic acid interaction with cyclosporine and tacrolimus in vitro and in vivo: evaluation of additive effects on rat blood lymphocyte function. <i>Therapeutic Drug Monitoring</i> , 2005 , 27, 123-31	3.2	18
55	Detection of gold nanorods uptake by macrophages using scattering analyses combined with diffusion reflection measurements as a potential tool for in vivo atherosclerosis tracking. <i>International Journal of Nanomedicine</i> , 2015 , 10, 4437-46	7.3	17
54	Immune consequences of pediatric and adult cardiovascular surgery: report of the 7th Leipzig workshop 2003 , 54, 54-7		17
53	Age-Related Lymphocyte Subset Changes in the Peripheral Blood of Healthy Children: A Meta-Study. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 176-181	4.2	16
52	Deep Learning-Based Single-Cell Optical Image Studies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 226-240	4.6	15
51	Improved kinetic analysis of cytosolic free calcium in pressure-sensitive neuronal cells by fixed-time flow cytometry. <i>Cytometry</i> , 1996 , 23, 82-9		15
50	T lymphocyte-mediated antiviral immune responses in mice are diminished by treatment with monoclonal antibody directed against the interleukin-2 receptor. <i>European Journal of Immunology</i> , 1994 , 24, 3093-9	6.1	15
49	Silica induces changes in cytosolic free calcium, cytosolic pH, and plasma membrane potential in bovine alveolar macrophages. <i>Analytical Cellular Pathology</i> , 1997 , 15, 61-72		14
48	Recent advances in cytometry applications: preclinical, clinical, and cell biology. <i>Methods in Cell Biology</i> , 2011 , 103, 1-20	1.8	13
47	Flow cytometry-based pharmacodynamic monitoring after organ transplantation. <i>Methods in Cell Biology</i> , 2011 , 103, 267-84	1.8	13
46	Label-free hybridoma cell culture quality control by a chip-based impedance flow cytometer. <i>Lab on a Chip</i> , 2012 , 12, 4533-43	7.2	12
45	An innovative cascade system for simultaneous separation of multiple cell types. <i>PLoS ONE</i> , 2013 , 8, e74745	3.7	12
44	Neutrophil adhesion molecule expression and serum concentration of soluble adhesion molecules during and after pediatric cardiovascular surgery with or without cardiopulmonary bypass. <i>Anesthesiology</i> , 2002 , 96, 1078-85	4.3	12
43	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. <i>European Journal of Immunology</i> , 2021 , 51, 2708-3145	6.1	12
42	Replacement of specific markers for apoptosis and necrosis by nuclear morphology for affordable cytometry. <i>Journal of Immunological Methods</i> , 2015 , 420, 24-30	2.5	11

41	Dendritic Cells in the Context of Human Tumors: Biology and Experimental Tools. <i>International Reviews of Immunology</i> , 2016 , 35, 116-35	4.6	11
40	Cellular analysis by open-source software for affordable cytometry. <i>Scanning</i> , 2011 , 33, 33-40	1.6	11
39	Modulation of the cellular and humoral immune response to pediatric open heart surgery by methylprednisolone. <i>Cytometry Part B - Clinical Cytometry</i> , 2011 , 80, 212-20	3.4	11
38	Morphometry to identify subtypes of leukocytes. <i>Hematology/Oncology and Stem Cell Therapy</i> , 2014 , 7, 69-75	2.7	10
37	Differential modulation of cord blood and peripheral blood monocytes by intravenous immunoglobulin. <i>Cytometry Part B - Clinical Cytometry</i> , 2012 , 82, 26-34	3.4	10
36	Introduction A: recent advances in cytometry instrumentation, probes, and methods--review. <i>Methods in Cell Biology</i> , 2011 , 102, 1-21	1.8	10
35	Agonist-induced β -adrenoceptor desensitization and downregulation enhance pro-inflammatory cytokine release in human bronchial epithelial cells. <i>Pulmonary Pharmacology and Therapeutics</i> , 2015 , 30, 110-20	3.5	9
34	Inflammation and Immune Suppression following Protein Losing Enteropathy after Fontan Surgery Detected by Cytomics. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 168-175	4.2	9
33	Concepts for Absolute Immunophenotyping by Slide- Based Cytometry. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 188-195	4.2	9
32	Pharmacodynamic monitoring of the immunosuppressive therapy in patients after heart transplantation: whole blood flow cytometric analysis of lymphocyte function. <i>Computers in Biology and Medicine</i> , 2007 , 37, 1367-73	7	8
31	Rapid screening of possible cytotoxic effects of particulate air pollutants by measurement of changes in cytoplasmic free calcium, cytosolic pH, and plasma membrane potential in alveolar macrophages by flow cytometry. <i>Cytometry</i> , 2001 , 43, 204-10		8
30	Rare-event sorting by fixed-time flow cytometry based on changes in intracellular free calcium. <i>Cytometry</i> , 1997 , 27, 65-70		7
29	Trypan blue as an affordable marker for automated live-dead cell analysis in image cytometry. <i>Scanning</i> , 2016 , 38, 857-863	1.6	5
28	A novel direct co-culture assay analyzed by multicolor flow cytometry reveals context- and cell type-specific immunomodulatory effects of equine mesenchymal stromal cells. <i>PLoS ONE</i> , 2019 , 14, e0218949	3.7	5
27	Protein Losing Enteropathy after Fontan Surgery [Clinical and Diagnostical Aspects. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 164-167	4.2	5
26	Soluble endothelial adhesion molecule concentration in patients with aortic coarctation. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2006 , 13, 353-8		5
25	On the quantification of intracellular proteins in multifuorescence-labeled rat brain slices using slide-based cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011 , 79, 485-91	4.6	4
24	Expression of IGF receptors on alveolar macrophages: IGF-induced changes in InsPi formation, [Ca ²⁺] _i , and pH _i . <i>Molecular and Cellular Biochemistry</i> , 1997 , 177, 33-45	4.2	4

23	Cellular analyses in the monitoring of autoimmune diseases. <i>Autoimmunity Reviews</i> , 2016 , 15, 883-9	13.6	4
22	Fast RBC loading by fluorescent antibodies and nuclei staining dye and their potential bioanalytical applications. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018 , 73, 95-105	1.7	4
21	Role of dendritic cells in the context of acute cellular rejection: comparison between tacrolimus- or cyclosporine A-treated heart transplanted recipients. <i>Cytometry Part B - Clinical Cytometry</i> , 2014 , 86, 362-7	3.4	3
20	Advancing cytometry for immunology. <i>European Journal of Immunology</i> , 2012 , 42, 3106-9	6.1	3
19	Induction of transient immune suppression and Th1/Th2 disbalance by pediatric cardiac surgery with cardiopulmonary bypass. <i>Clinical and Applied Immunology Reviews</i> , 2001 , 1, 291-313		3
18	Soluble endothelial adhesion molecules during paediatric cardiovascular surgery with or without cardiopulmonary bypass. <i>Cardiology in the Young</i> , 2002 , 12, 130-7	1	3
17	Differentiation of populations with different fluorescence intensities with a machine-learning based classifier. <i>Comparative Clinical Pathology</i> , 2017 , 26, 385-389	0.9	2
16	Effect of confounding factors on a phospho-flow assay of ribosomal S6 protein for therapeutic drug monitoring of the mTOR-inhibitor everolimus in heart transplanted patients. <i>Biomarkers</i> , 2017 , 22, 86-92	2.6	2
15	Live and Let Dye: Visualizing the Cellular Compartments of the Malaria Parasite Plasmodium falciparum. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 694-705	4.6	2
14	Monocyte subtype counts are associated with 10-year cardiovascular disease risk as determined by the Framingham Risk Score among subjects of the LIFE-Adult study. <i>PLoS ONE</i> , 2021 , 16, e0247480	3.7	2
13	Drawing the Bow for Reproducibility. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 103-104	4.6	1
12	MicrobesTheterogeneousness - a focus issue on cytometric technologies in microbial single cell analytics. <i>Biotechnology Journal</i> , 2009 , 4, 591-2	5.6	1
11	Importance of Cytometry for Clinical Diagnostics and Therapy. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 153-154	4.2	1
10	Deep learning-based light scattering microfluidic cytometry for label-free acute lymphocytic leukemia classification. <i>Biomedical Optics Express</i> , 2020 , 11, 6674-6686	3.5	1
9	In memoriam professor Zbigniew Darzynkiewicz - Cytometry pathfinder 1936-2021. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 550-556	4.6	1
8	Two-Color Analysis of Leukocytes Labeled by Modified RBCs and Their Fragments. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 339-346	4.6	1
7	Diffraction Beam Shaper for Multiwavelength Lasers for Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 194-204	4.6	0
6	Cancer and Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 257-258	4.6	

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2017, 13, P988-P989
- 4 Dictionary of biomedical optics and biophotonics A book review **2013**, 83A, 329-329
- 3 Perspectives in Cytometry **2011**, 1-23
- 2 Comparison of Immunophenotyping and Rare Cell Detection by Slide-Based Imaging Cytometry and Flow Cytometry **2011**, 239-271
- 1 Telling one from another. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2010**, 77, 1099-100 4.6