

Andrew Filby

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

8,784
citations

172457

29
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

18011
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell RNA-seq reveals new types of human blood dendritic cells, monocytes, and progenitors. Science, 2017, 356, .	12.6	1,846
2	Single-cell reconstruction of the early maternalâ€“fetal interface in humans. Nature, 2018, 563, 347-353.	27.8	1,547
3	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
4	Single-cell transcriptomes from human kidneys reveal the cellular identity of renal tumors. Science, 2018, 361, 594-599.	12.6	511
5	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
6	Decoding human fetal liver haematopoiesis. Nature, 2019, 574, 365-371.	27.8	392
7	A cell atlas of human thymic development defines T cell repertoire formation. Science, 2020, 367, .	12.6	368
8	Tâ€“cell receptor proximal signaling via the Srcâ€“family kinases, Lck and Fyn, influences Tâ€“cell activation, differentiation, and tolerance. Immunological Reviews, 2009, 228, 9-22.	6.0	326
9	Spatiotemporal immune zonation of the human kidney. Science, 2019, 365, 1461-1466.	12.6	281
10	Developmental cell programs are co-opted in inflammatory skin disease. Science, 2021, 371, .	12.6	264
11	Genetic Tracing via DNGR-1 Expression History Defines Dendritic Cells as a Hematopoietic Lineage. Cell, 2013, 154, 843-858.	28.9	253
12	Reconstructing cell cycle and disease progression using deep learning. Nature Communications, 2017, 8, 463.	12.8	210
13	The influence of the srcâ€“family kinases, Lck and Fyn, on T cell differentiation, survival and activation. Immunological Reviews, 2003, 191, 107-118.	6.0	178
14	Asymmetric Segregation of Polarized Antigen on B Cell Division Shapes Presentation Capacity. Science, 2012, 335, 475-479.	12.6	144
15	Diagnostic Potential of Imaging Flow Cytometry. Trends in Biotechnology, 2018, 36, 649-652.	9.3	130
16	Lck Regulates the Threshold of Activation in Primary T Cells, While both Lck and Fyn Contribute to the Magnitude of the Extracellular Signal-Related Kinase Response. Molecular and Cellular Biology, 2006, 26, 8655-8665.	2.3	101
17	An open-source solution for advanced imaging flow cytometry data analysis using machine learning. Methods, 2017, 112, 201-210.	3.8	82
18	Classification of Human White Blood Cells Using Machine Learning for Stainâ€“Free Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 308-319.	1.5	73

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19	Blood and immune development in human fetal bone marrow and Down syndrome. <i>Nature</i> , 2021, 598, 327-331.	27.8	73
20	An imaging flow cytometric method for measuring cell division history and molecular symmetry during mitosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 496-506.	1.5	72
21	Label-Free Identification of White Blood Cells Using Machine Learning. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 836-842.	1.5	66
22	CXCR2 inhibition enables NASH-HCC immunotherapy. <i>Gut</i> , 2022, 71, 2093-2106.	12.1	66
23	Fyn Regulates the Duration of TCR Engagement Needed for Commitment to Effector Function. <i>Journal of Immunology</i> , 2007, 179, 4635-4644.	0.8	59
24	Heterogeneous sensitivity of human acute myeloid leukemia to β -catenin down-modulation. <i>Leukemia</i> , 2011, 25, 770-780.	7.2	54
25	A human patient-derived cellular model of Joubert syndrome reveals ciliary defects which can be rescued with targeted therapies. <i>Human Molecular Genetics</i> , 2017, 26, 4657-4667.	2.9	53
26	Lipopolysaccharide inhalation recruits monocytes and dendritic cell subsets to the alveolar airspace. <i>Nature Communications</i> , 2019, 10, 1999.	12.8	52
27	A method for evaluating the use of fluorescent dyes to track proliferation in cell lines by dye dilution. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83, 1085-1095.	1.5	46
28	Label-Free Leukemia Monitoring by Computer Vision. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 407-414.	1.5	38
29	Race between Retroviral Spread and CD4 ⁺ T-Cell Response Determines the Outcome of Acute Friend Virus Infection. <i>Journal of Virology</i> , 2009, 83, 11211-11222.	3.4	33
30	Regulation and Role of β 7 Integrin and Gut Homing Integrins in Migration and Retention of Intestinal Lymphocytes during Inflammatory Bowel Disease. <i>Journal of Immunology</i> , 2021, 207, 2245-2254.	0.8	29
31	Frequency and Dynamics of Leukemia-Initiating Cells during Short-term <i>Ex Vivo</i> Culture Informs Outcomes in Acute Myeloid Leukemia Patients. <i>Cancer Research</i> , 2016, 76, 2082-2086.	0.9	24
32	An imaging flow cytometry-based approach to measuring the spatiotemporal calcium mobilisation in activated T cells. <i>Journal of Immunological Methods</i> , 2015, 423, 120-130.	1.4	17
33	Global phenotypic characterisation of human platelet lysate expanded MSCs by high-throughput flow cytometry. <i>Scientific Reports</i> , 2018, 8, 3907.	3.3	17
34	Telomerase Activation to Reverse Immunosenescence in Elderly Patients With Acute Coronary Syndrome: Protocol for a Randomized Pilot Trial. <i>JMIR Research Protocols</i> , 2020, 9, e19456.	1.0	15
35	Inter-laboratory automation of the in vitro micronucleus assay using imaging flow cytometry and deep learning. <i>Archives of Toxicology</i> , 2021, 95, 3101-3115.	4.2	14
36	In Flow Cytometry, Image Is Everything. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 475-477.	1.5	11

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37	Mislocalization of Lck impairs thymocyte differentiation and can promote development of thymomas. <i>Blood</i> , 2011, 117, 108-117.	1.4	10
38	A New Image for Cell Sorting. <i>New England Journal of Medicine</i> , 2022, 386, 1755-1758.	27.0	9
39	Detecting respiratory chain defects in osteoblasts from osteoarthritic patients using imaging mass cytometry. <i>Bone</i> , 2022, 158, 116371.	2.9	8
40	Caveolin-1 Influences LFA-1 Redistribution upon TCR Stimulation in CD8 T Cells. <i>Journal of Immunology</i> , 2017, 199, 874-884.	0.8	7
41	Biosafety during a pandemic: shared resource laboratories rise to the challenge. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 68-80.	1.5	7
42	Differential Polarization of C-Terminal Src Kinase between Naive and Antigen-Experienced CD8+ T Cells. <i>Journal of Immunology</i> , 2013, 190, 3089-3099.	0.8	6
43	Sample preparation for flow cytometry benefits from some lateral thinking. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 1054-1056.	1.5	4
44	Imaging cytometry: Automated morphology and feature extraction. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 851-853.	1.5	4
45	Shared Resource Laboratory (SRL) Communications—A New Journal Type. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 141-143.	1.5	4
46	Modifying Regulatory Practices to Create a Safe and Effective Working Environment Within a Shared Resource Laboratory During a Global Pandemic. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 33-41.	1.5	3
47	A Cytometrist's Guide to Coordinating and Performing Effective COVID-19 Research. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 11-18.	1.5	2
48	“Mega”-cytometry for a “mega”-challenging cell type. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 289-291.	1.5	1
49	New, clear fusion from the cellular perspective: Measuring cellular fusion in <i>Saccharomyces cerevisiae</i> by flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 797-799.	1.5	1
50	CYTO Virtual. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 127-128.	1.5	1
51	Multiple Immunostainings with Different Epitope Retrievals—The FOLGAS Protocol. <i>International Journal of Molecular Sciences</i> , 2022, 23, 223.	4.1	1