

Pratip K Chattopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

6,811
citations

147801

31
h-index

243625

44
g-index

47
all docs

47
docs citations

47
times ranked

12255
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous epitope and transcriptome measurement in single cells. <i>Nature Methods</i> , 2017, 14, 865-868.	19.0	2,124
2	A deep profiler's guide to cytometry. <i>Trends in Immunology</i> , 2012, 33, 323-332.	6.8	596
3	Quantum dot semiconductor nanocrystals for immunophenotyping by polychromatic flow cytometry. <i>Nature Medicine</i> , 2006, 12, 972-977.	30.7	349
4	Single-cell technologies for monitoring immune systems. <i>Nature Immunology</i> , 2014, 15, 128-135.	14.5	337
5	A live-cell assay to detect antigen-specific CD4+ T cells with diverse cytokine profiles. <i>Nature Medicine</i> , 2005, 11, 1113-1117.	30.7	293
6	Superior T memory stem cell persistence supports long-lived T cell memory. <i>Journal of Clinical Investigation</i> , 2013, 123, 594-9.	8.2	287
7	The Size of the Viral Inoculum Contributes to the Outcome of Hepatitis B Virus Infection. <i>Journal of Virology</i> , 2009, 83, 9652-9662.	3.4	282
8	The cytolytic enzymes granzyme A, granzyme B, and perforin: expression patterns, cell distribution, and their relationship to cell maturity and bright CD57 expression. <i>Journal of Leukocyte Biology</i> , 2009, 85, 88-97.	3.3	221
9	Live-cell assay to detect antigen-specific CD4+ T-cell responses by CD154 expression. <i>Nature Protocols</i> , 2006, 1, 1-6.	12.0	197
10	Surface expression patterns of negative regulatory molecules identify determinants of virus-specific CD8+ T-cell exhaustion in HIV infection. <i>Blood</i> , 2011, 117, 4805-4815.	1.4	193
11	Amine reactive dyes: An effective tool to discriminate live and dead cells in polychromatic flow cytometry. <i>Journal of Immunological Methods</i> , 2006, 313, 199-208.	1.4	190
12	A chromatic explosion: the development and future of multiparameter flow cytometry. <i>Immunology</i> , 2008, 125, 441-449.	4.4	154
13	Public clonotype usage identifies protective Gag-specific CD8+ T cell responses in SIV infection. <i>Journal of Experimental Medicine</i> , 2009, 206, 923-936.	8.5	140
14	Cytometry: Today's technology and tomorrow's horizons. <i>Methods</i> , 2012, 57, 251-258.	3.8	115
15	Phenotypic and Functional Profile of HIV-Inhibitory CD8 T Cells Elicited by Natural Infection and Heterologous Prime/Boost Vaccination. <i>Journal of Virology</i> , 2010, 84, 4998-5006.	3.4	110
16	Differential Association of Programmed Death-1 and CD57 with Ex Vivo Survival of CD8+ T Cells in HIV Infection. <i>Journal of Immunology</i> , 2009, 183, 1120-1132.	0.8	105
17	Brilliant violet fluorophores: A new class of ultrabright fluorescent compounds for immunofluorescence experiments. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 456-466.	1.5	92
18	The transfer of adaptive immunity to CMV during hematopoietic stem cell transplantation is dependent on the specificity and phenotype of CMV-specific T cells in the donor. <i>Blood</i> , 2009, 114, 5071-5080.	1.4	82

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19	Immunologic and Virologic Events in Early HIV Infection Predict Subsequent Rate of Progression. <i>Journal of Infectious Diseases</i> , 2010, 201, 272-284.	4.0	72
20	Highly multiplexed quantitation of gene expression on single cells. <i>Journal of Immunological Methods</i> , 2013, 391, 133-145.	1.4	72
21	Amine-Responsive Dyes for Dead Cell Discrimination in Fixed Samples. <i>Current Protocols in Cytometry</i> , 2010, 53, Unit 9.34.	3.7	71
22	Early immunologic correlates of HIV protection can be identified from computational analysis of complex multivariate T-cell flow cytometry assays. <i>Bioinformatics</i> , 2012, 28, 1009-1016.	4.1	70
23	Thinking Outside the Gate: Single-Cell Assessments in Multiple Dimensions. <i>Immunity</i> , 2015, 42, 591-592.	14.3	67
24	Good cell, bad cell: Flow cytometry reveals T cell subsets important in HIV disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 614-622.	1.5	63
25	High avidity myeloid leukemia-associated antigen-specific CD8 ⁺ T cells preferentially reside in the bone marrow. <i>Blood</i> , 2009, 113, 2238-2244.	1.4	57
26	RchOptimyx: Cellular hierarchy optimization for flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 1022-1030.	1.5	53
27	flowClean: Automated identification and removal of fluorescence anomalies in flow cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 461-471.	1.5	52
28	Techniques to improve the direct ex vivo detection of low frequency antigen-specific CD8 ⁺ T cells with peptide-major histocompatibility complex class I tetramers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 1001-1009.	1.5	49
29	Holoendemic Malaria Exposure Is Associated with Altered Epstein-Barr Virus-Specific CD8 ⁺ T-Cell Differentiation. <i>Journal of Virology</i> , 2013, 87, 1779-1788.	3.4	39
30	The use of quantum dot nanocrystals in multicolor flow cytometry. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2010, 2, 334-348.	6.1	34
31	A deadly dance: the choreography of host-pathogen interactions, as revealed by single-cell technologies. <i>Nature Communications</i> , 2018, 9, 4638.	12.8	34
32	OMIP050: A 28-color/30-parameter Fluorescence Flow Cytometry Panel to Enumerate and Characterize Cells Expressing a Wide Array of Immune Checkpoint Molecules. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 1094-1096.	1.5	33
33	Detection of low avidity CD8 ⁺ T cell populations with coreceptor-enhanced peptide-major histocompatibility complex class I tetramers. <i>Journal of Immunological Methods</i> , 2008, 338, 31-39.	1.4	32
34	Q and B values are critical measurements required for inter-instrument standardization and development of multicolor flow cytometry staining panels. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 1037-1048.	1.5	31
35	High-Parameter Single-Cell Analysis. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 411-430.	5.4	23
36	Quantum Dot Technology in Flow Cytometry. <i>Methods in Cell Biology</i> , 2011, 102, 463-477.	1.1	20

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37	Longitudinal Assessment of de Novo T Cell Production in Relation to HIV-Associated T Cell Homeostasis Failure. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 501-507.	1.1	18
38	Application of Quantum Dots to Multicolor Flow Cytometry. , 2007, 374, 175-184.		13
39	A simple tube adapter to expedite and automate thawing of viably frozen cells. <i>Journal of Immunological Methods</i> , 2016, 439, 74-78.	1.4	13
40	Nivolumab and ipilimumab are associated with distinct immune landscape changes and response-associated immunophenotypes. <i>JCI Insight</i> , 2020, 5, .	5.0	11
41	Single cell multiomic analysis of T cell exhaustion in vitro. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 27-44.	1.5	10
42	Highly Multiplexed, Single Cell Transcriptomic Analysis of T-Cells by Microfluidic PCR. <i>Methods in Molecular Biology</i> , 2017, 1514, 187-202.	0.9	2
43	The next frontier in single cell analysis: multimodal studies and clinical translation. <i>Lab on A Chip</i> , 2019, 19, 3573-3574.	6.0	2
44	A Cytometrist's Guide to Coordinating and Performing Effective COVID â€“19 Research. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 11-18.	1.5	2
45	Reâ€“visiting <sc>F</sc>â€“receptor blocking maneuvers in man. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 975-977.	1.5	1
46	What to expect when youâ€™re expecting. <i>Science Immunology</i> , 2017, 2, .	11.9	0