

Aaron M Streets

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,486
citations

331670

21
h-index

434195

31
g-index

50
all docs

50
docs citations

50
times ranked

3922
citing authors

#	ARTICLE	IF	CITATIONS
1	The complete sequence of a human genome. <i>Science</i> , 2022, 376, 44-53.	12.6	1,222
2	Microfluidic single-cell whole-transcriptome sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7048-7053.	7.1	259
3	Joint probabilistic modeling of single-cell multi-omic data with totalVI. <i>Nature Methods</i> , 2021, 18, 272-282.	19.0	246
4	A Python library for probabilistic analysis of single-cell omics data. <i>Nature Biotechnology</i> , 2022, 40, 163-166.	17.5	216
5	Complete genomic and epigenetic maps of human centromeres. <i>Science</i> , 2022, 376, eabl4178.	12.6	204
6	Chip in a lab: Microfluidics for next generation life science research. <i>Biomicrofluidics</i> , 2013, 7, 11302.	2.4	142
7	High-throughput single-molecule optofluidic analysis. <i>Nature Methods</i> , 2011, 8, 242-245.	19.0	95
8	Single-Cell Transcriptional Analysis. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 439-462.	5.4	93
9	Microfluidics for biological measurements with single-molecule resolution. <i>Current Opinion in Biotechnology</i> , 2014, 25, 69-77.	6.6	83
10	Ultralarge Modulation of Fluorescence by Neuromodulators in Carbon Nanotubes Functionalized with Self-Assembled Oligonucleotide Rings. <i>Nano Letters</i> , 2018, 18, 6995-7003.	9.1	70
11	Simultaneous Measurement of Amyloid Fibril Formation by Dynamic Light Scattering and Fluorescence Reveals Complex Aggregation Kinetics. <i>PLoS ONE</i> , 2013, 8, e54541.	2.5	69
12	Vascular smooth muscle-derived Trpv1+ progenitors are a source of cold-induced thermogenic adipocytes. <i>Nature Metabolism</i> , 2021, 3, 485-495.	11.9	64
13	Ostwald Ripening of Clusters during Protein Crystallization. <i>Physical Review Letters</i> , 2010, 104, 178102.	7.8	59
14	Imaging without Fluorescence: Nonlinear Optical Microscopy for Quantitative Cellular Imaging. <i>Analytical Chemistry</i> , 2014, 86, 8506-8513.	6.5	56
15	Label-Free Digital Quantification of Lipid Droplets in Single Cells by Stimulated Raman Microscopy on a Microfluidic Platform. <i>Analytical Chemistry</i> , 2016, 88, 4931-4939.	6.5	47
16	DiMeLo-seq: a long-read, single-molecule method for mapping protein-DNA interactions genome wide. <i>Nature Methods</i> , 2022, 19, 711-723.	19.0	45
17	Characterization of transcript enrichment and detection bias in single-nucleus RNA-seq for mapping of distinct human adipocyte lineages. <i>Genome Research</i> , 2022, 32, 242-257.	5.5	39
18	How deep is enough in single-cell RNA-seq?. <i>Nature Biotechnology</i> , 2014, 32, 1005-1006.	17.5	29

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19	Controller for microfluidic large-scale integration. <i>HardwareX</i> , 2018, 3, 135-145.	2.2	29
20	Optical imaging of non-fluorescent nanodiamonds in live cells using transient absorption microscopy. <i>Nanoscale</i> , 2013, 5, 4701.	5.6	26
21	Quantitative imaging of lipid droplets in single cells. <i>Analyst</i> , 2019, 144, 753-765.	3.5	24
22	Radial variation in biochemical composition of the bovine caudal intervertebral disc. <i>JOR Spine</i> , 2019, 2, e1065.	3.2	22
23	On-ratio PDMS bonding for multilayer microfluidic device fabrication. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 107001.	2.6	21
24	H3K4me3 epigenomic landscape derived from ChIP-Seq of 1 000 mouse early embryonic cells. <i>Cell Research</i> , 2015, 25, 143-147.	12.0	19
25	T cell self-reactivity during thymic development dictates the timing of positive selection. <i>ELife</i> , 2021, 10, .	6.0	17
26	̑CB-seq: microfluidic cell barcoding and sequencing for high-resolution imaging and sequencing of single cells. <i>Lab on A Chip</i> , 2020, 20, 3899-3913.	6.0	16
27	̑DamID: A Microfluidic Approach for Joint Imaging and Sequencing of Protein-DNA Interactions in Single Cells. <i>Cell Systems</i> , 2020, 11, 354-366.e9.	6.2	15
28	CXCR3 regulates stem and proliferative CD8+ T cells during chronic infection by promoting interactions with DCs in splenic bridging channels. <i>Cell Reports</i> , 2022, 38, 110266.	6.4	14
29	Histologically resolved multiomics enables precise molecular profiling of human intratumor heterogeneity. <i>PLoS Biology</i> , 2022, 20, e3001699.	5.6	6
30	Paper-thin multilayer microfluidic devices with integrated valves. <i>Lab on A Chip</i> , 2021, 21, 1287-1298.	6.0	5
31	Single cell biologyâ€”a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 74-97.	3.8	3