

# Linus Mazutis

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

12,103  
citations

159358

30  
h-index

189595

50  
g-index

65  
all docs

65  
docs citations

65  
times ranked

19436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Transcriptional Profiling Reveals Signatures of Helper, Effector, and Regulatory MAIT Cells during Homeostasis and Activation. <i>Journal of Immunology</i> , 2022, 208, 1042-1056.	0.4	26
2	High-throughput single-cell antibody secretion quantification and enrichment using droplet microfluidics-based FRET assay. <i>IScience</i> , 2022, 25, 104515.	1.9	14
3	Microfluidics for Cancer Biomarker Discovery, Research, and Clinical Application. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 499-524.	0.8	5
4	A geneâ€“environment-induced epigenetic program initiates tumorigenesis. <i>Nature</i> , 2021, 590, 642-648.	13.7	133
5	Fully defined human pluripotent stem cell-derived microglia and tri-culture system model C3 production in Alzheimerâ€™s disease. <i>Nature Neuroscience</i> , 2021, 24, 343-354.	7.1	118
6	A unified atlas of CD8 T cell dysfunctional states in cancer and infection. <i>Molecular Cell</i> , 2021, 81, 2477-2493.e10.	4.5	57
7	Signatures of plasticity, metastasis, and immunosuppression in an atlas of human small cell lung cancer. <i>Cancer Cell</i> , 2021, 39, 1479-1496.e18.	7.7	155
8	Inhibition of Carbonic Anhydrase IX Suppresses Breast Cancer Cell Motility at the Single-Cell Level. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11571.	1.8	4
9	AD-linked R47H- <i>TREM2</i> mutation induces disease-enhancing microglial states via AKT hyperactivation. <i>Science Translational Medicine</i> , 2021, 13, eabe3947.	5.8	55
10	Rapid non-uniform adaptation to conformation-specific KRAS(G12C) inhibition. <i>Nature</i> , 2020, 577, 421-425.	13.7	321
11	Molecular Fingerprint and Developmental Regulation of the Tegmental GABAergic and Glutamatergic Neurons Derived from the Anterior Hindbrain. <i>Cell Reports</i> , 2020, 33, 108268.	2.9	11
12	Multi-step processing of single cells using semi-permeable capsules. <i>Lab on A Chip</i> , 2020, 20, 4052-4062.	3.1	18
13	Cancer cells deploy lipocalin-2 to collect limiting iron in leptomeningeal metastasis. <i>Science</i> , 2020, 369, 276-282.	6.0	146
14	Rapid isolation of antigen-specific B-cells using droplet microfluidics. <i>RSC Advances</i> , 2020, 10, 27006-27013.	1.7	30
15	Emergence of a High-Plasticity Cell State during Lung Cancer Evolution. <i>Cancer Cell</i> , 2020, 38, 229-246.e13.	7.7	210
16	Regenerative lineages and immune-mediated pruning in lung cancer metastasis. <i>Nature Medicine</i> , 2020, 26, 259-269.	15.2	274
17	Regenerative potential of prostate luminal cells revealed by single-cell analysis. <i>Science</i> , 2020, 368, 497-505.	6.0	165
18	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020, 181, 236-249.	13.5	334

#	ARTICLE	IF	CITATIONS
19	Abstract 622: Rapid non-uniform adaptation to conformation-specific KRAS G12C inhibition. , 2020, , .		1
20	Abstract 5722: Acquired stemness by luminal cells. , 2020, , .		0
21	Transcriptional Basis of Mouse and Human Dendritic Cell Heterogeneity. Cell, 2019, 179, 846-863.e24.	13.5	359
22	Natural Genetic Variation Reveals Key Features of Epigenetic and Transcriptional Memory in Virus-Specific CD8 <sup>+</sup> T Cells. Immunity, 2019, 50, 1202-1217.e7.	6.6	51
23	Characterization of cell fate probabilities in single-cell data with Palantir. Nature Biotechnology, 2019, 37, 451-460.	9.4	393
24	Editorial overview: Current advances in analytical biotechnology: from single molecules to whole organisms. Current Opinion in Biotechnology, 2019, 55, iii-vi.	3.3	1
25	Multi-omics at single-cell resolution: comparison of experimental and data fusion approaches. Current Opinion in Biotechnology, 2019, 55, 159-166.	3.3	25
26	Single-cell screening using microfluidic systems. , 2019, , 353-367.		2
27	Antibody discovery using microfluidic systems. , 2019, , 337-351.		2
28	A chemical probe of CARM1 alters epigenetic plasticity against breast cancer cell invasion. ELife, 2019, 8, .	2.8	32
29	Abstract LB-A04: Rapid non-uniform adaptation to conformation-specific KRAS G12C inhibition. , 2019, , .		1
30	CD49b defines functionally mature Treg cells that survey skin and vascular tissues. Journal of Experimental Medicine, 2018, 215, 2796-2814.	4.2	37
31	Single-Cell Map of Diverse Immune Phenotypes in the Breast Tumor Microenvironment. Cell, 2018, 174, 1293-1308.e36.	13.5	1,361
32	Recovering Gene Interactions from Single-Cell Data Using Data Diffusion. Cell, 2018, 174, 716-729.e27.	13.5	1,197
33	Comprehensive Single-Cell RNA-Sequencing Mapping of Primary Acute Myeloid Leukemias and Profiling of NPM1-Mutated Cells. Blood, 2018, 132, 995-995.	0.6	1
34	Single-cell barcoding and sequencing using droplet microfluidics. Nature Protocols, 2017, 12, 44-73.	5.5	589
35	Droplet Microfluidics Approach for Single-DNA Molecule Amplification and Condensation into DNA-Magnesium-Pyrophosphate Particles. Micromachines, 2017, 8, 62.	1.4	12
36	Tumor progression effects on drug vector access to tumor-associated capillary bed. Journal of Controlled Release, 2017, 261, 216-222.	4.8	11

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37	DNA Nanoparticles for Improved Protein Synthesis In Vitro. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3120-3123.	7.2	19
38	DNA Nanoparticles for Improved Protein Synthesis In Vitro. <i>Angewandte Chemie</i> , 2016, 128, 3172-3175.	1.6	8
39	Statistical Mechanics of Allosteric Enzymes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6021-6037.	1.2	15
40	Biocompatible fluorinated polyglycerols for droplet microfluidics as an alternative to PEG-based copolymer surfactants. <i>Lab on A Chip</i> , 2016, 16, 65-69.	3.1	74
41	Back Cover: <i>Macromol. Biosci.</i> 12/2015. <i>Macromolecular Bioscience</i> , 2015, 15, 1764-1764.	2.1	0
42	Microfluidic Production of Alginate Hydrogel Particles for Antibody Encapsulation and Release. <i>Macromolecular Bioscience</i> , 2015, 15, 1641-1646.	2.1	72
43	Droplet Barcoding for Single-Cell Transcriptomics Applied to Embryonic Stem Cells. <i>Cell</i> , 2015, 161, 1187-1201.	13.5	2,857
44	Microtubule sliding drives proplatelet elongation and is dependent on cytoplasmic dynein. <i>Blood</i> , 2015, 125, 860-868.	0.6	87
45	Simple Microfluidic Approach to Fabricate Monodisperse Hollow Microparticles for Multidrug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14822-14832.	4.0	66
46	Quantitative biology: where modern biology meets physical sciences. <i>Molecular Biology of the Cell</i> , 2014, 25, 3482-3485.	0.9	6
47	Platelet bioreactor-on-a-chip. <i>Blood</i> , 2014, 124, 1857-1867.	0.6	177
48	Single-cell analysis and sorting using droplet-based microfluidics. <i>Nature Protocols</i> , 2013, 8, 870-891.	5.5	1,146
49	Dynamics of molecular transport by surfactants in emulsions. <i>Soft Matter</i> , 2012, 8, 10618.	1.2	133
50	Selective droplet coalescence using microfluidic systems. <i>Lab on A Chip</i> , 2012, 12, 1800.	3.1	124
51	Quantitative and sensitive detection of rare mutations using droplet-based microfluidics. <i>Lab on A Chip</i> , 2011, 11, 2156.	3.1	461
52	Preparation of monodisperse emulsions by hydrodynamic size fractionation. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	31
53	Droplet-Based Microfluidic Systems for High-Throughput Single DNA Molecule Isothermal Amplification and Analysis. <i>Analytical Chemistry</i> , 2009, 81, 4813-4821.	3.2	235
54	Multi-step microfluidic droplet processing: kinetic analysis of an in vitro translated enzyme. <i>Lab on A Chip</i> , 2009, 9, 2902.	3.1	182

#	ARTICLE	IF	CITATIONS
55	A fast and efficient microfluidic system for highly selective one-to-one droplet fusion. Lab on A Chip, 2009, 9, 2665.	3.1	134
56	Recovering Gene Interactions from Single-Cell Data Using Data Diffusion. SSRN Electronic Journal, 0, , .	0.4	11