

Spyros Darmanis

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

8,702
citations

186209

28
h-index

276775

41
g-index

56
all docs

56
docs citations

56
times ranked

16229
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris. <i>Nature</i> , 2018, 562, 367-372.	13.7	2,061
2	A survey of human brain transcriptome diversity at the single cell level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7285-7290.	3.3	1,194
3	Single-Cell RNA-Seq Analysis of Infiltrating Neoplastic Cells at the Migrating Front of Human Glioblastoma. <i>Cell Reports</i> , 2017, 21, 1399-1410.	2.9	701
4	Developmental Heterogeneity of Microglia and Brain Myeloid Cells Revealed by Deep Single-Cell RNA Sequencing. <i>Neuron</i> , 2019, 101, 207-223.e10.	3.8	695
5	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. <i>Nature</i> , 2020, 583, 590-595.	13.7	683
6	Human Astrocyte Maturation Captured in 3D Cerebral Cortical Spheroids Derived from Pluripotent Stem Cells. <i>Neuron</i> , 2017, 95, 779-790.e6.	3.8	436
7	Therapy-Induced Evolution of Human Lung Cancer Revealed by Single-Cell RNA Sequencing. <i>Cell</i> , 2020, 182, 1232-1251.e22.	13.5	371
8	Ageing hallmarks exhibit organ-specific temporal signatures. <i>Nature</i> , 2020, 583, 596-602.	13.7	317
9	Multiple recognition assay reveals prostasomes as promising plasma biomarkers for prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8809-8814.	3.3	200
10	Simultaneous Multiplexed Measurement of RNA and Proteins in Single Cells. <i>Cell Reports</i> , 2016, 14, 380-389.	2.9	200
11	High-affinity allergen-specific human antibodies cloned from single IgE B cell transcriptomes. <i>Science</i> , 2018, 362, 1306-1309.	6.0	173
12	Mapping transcriptomic vector fields of single cells. <i>Cell</i> , 2022, 185, 690-711.e45.	13.5	167
13	Single-cell RNAseq reveals cell adhesion molecule profiles in electrophysiologically defined neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5222-31.	3.3	162
14	Multiplexed, targeted profiling of single-cell proteomes and transcriptomes in a single reaction. <i>Genome Biology</i> , 2016, 17, 188.	3.8	143
15	Sensitive Plasma Protein Analysis by Microparticle-based Proximity Ligation Assays. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 327-335.	2.5	101
16	Ageing compromises mouse thymus function and remodels epithelial cell differentiation. <i>ELife</i> , 2020, 9, .	2.8	92
17	Growth differentiation factor 15: a prognostic marker for recurrence in colorectal cancer. <i>British Journal of Cancer</i> , 2011, 104, 1619-1627.	2.9	90
18	MARS: discovering novel cell types across heterogeneous single-cell experiments. <i>Nature Methods</i> , 2020, 17, 1200-1206.	9.0	90

#	ARTICLE	IF	CITATIONS
19	Single cell analysis of human foetal liver captures the transcriptional profile of hepatobiliary hybrid progenitors. <i>Nature Communications</i> , 2019, 10, 3350.	5.8	82
20	ProteinSeq: High-Performance Proteomic Analyses by Proximity Ligation and Next Generation Sequencing. <i>PLoS ONE</i> , 2011, 6, e25583.	1.1	80
21	Mouse aging cell atlas analysis reveals global and cell type-specific aging signatures. <i>ELife</i> , 2021, 10, .	2.8	64
22	Human melanocyte development and melanoma dedifferentiation at single-cell resolution. <i>Nature Cell Biology</i> , 2021, 23, 1035-1047.	4.6	59
23	Differential encoding in prefrontal cortex projection neuron classes across cognitive tasks. <i>Cell</i> , 2021, 184, 489-506.e26.	13.5	58
24	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. <i>Nature</i> , 2022, 603, 309-314.	13.7	51
25	Solid-phase proximity ligation assays for individual or parallel protein analyses with readout via real-time PCR or sequencing. <i>Nature Protocols</i> , 2013, 8, 1234-1248.	5.5	47
26	Tracheal aspirate RNA sequencing identifies distinct immunological features of COVID-19 ARDS. <i>Nature Communications</i> , 2021, 12, 5152.	5.8	47
27	Sensitive detection of A β 2 protofibrils by proximity ligation - relevance for Alzheimer's disease. <i>BMC Neuroscience</i> , 2010, 11, 124.	0.8	33
28	DNA-assisted protein detection technologies. <i>Expert Review of Proteomics</i> , 2012, 9, 21-32.	1.3	30
29	Circulating Carnosine Dipeptidase 1 Associates with Weight Loss and Poor Prognosis in Gastrointestinal Cancer. <i>PLoS ONE</i> , 2015, 10, e0123566.	1.1	25
30	Tuning MPL signaling to influence hematopoietic stem cell differentiation and inhibit essential thrombocythemia progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
31	Leveraging the Cell Ontology to classify unseen cell types. <i>Nature Communications</i> , 2021, 12, 5556.	5.8	21
32	Chloride channels regulate differentiation and barrier functions of the mammalian airway. <i>ELife</i> , 2020, 9, .	2.8	20
33	Rapid deployment of SARS-CoV-2 testing: The CLIAHUB. <i>PLoS Pathogens</i> , 2020, 16, e1008966.	2.1	18
34	Identification of Candidate Serum Proteins for Classifying Well-Differentiated Small Intestinal Neuroendocrine Tumors. <i>PLoS ONE</i> , 2013, 8, e81712.	1.1	14
35	Adversarial domain translation networks for integrating large-scale atlas-level single-cell datasets. <i>Nature Computational Science</i> , 2022, 2, 317-330.	3.8	13
36	Self-assembly of proximity probes for flexible and modular proximity ligation assays. <i>BioTechniques</i> , 2007, 43, 443-450.	0.8	11

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37	Detection of Biomarkers with Solid-Phase Proximity Ligation Assay in Patients with Colorectal Cancer. <i>Translational Oncology</i> , 2016, 9, 251-255.	1.7	5
38	PS1 FAD mutants decrease ephrinB2-regulated angiogenic functions, ischemia-induced brain neovascularization and neuronal survival. <i>Molecular Psychiatry</i> , 2021, 26, 1996-2012.	4.1	4
39	PCR-Based Multiparametric Assays in Single Cells. <i>Clinical Chemistry</i> , 2012, 58, 1618-1619.	1.5	1
40	Persistent features of intermittent transcription. <i>Scientific Reports</i> , 2020, 10, 3138.	1.6	1
41	Detection of brain neovascularization induced by focal ischemia. <i>Molecular Psychiatry</i> , 2021, 26, 1719-1719.	4.1	0
42	cerebra: A tool for fast and accurate summarizing of variant calling format (VCF) files. <i>Journal of Open Source Software</i> , 2020, 5, 2432.	2.0	0