David S Fischer

List of Publications by Year
in descending order

19 papers	**1,922** citations	567281 **15** h-index	794594 **19** g-index
29 all docs	**29** docs citations	**29** times ranked	**2793** citing authors

#	Article	IF	Citations
1	Squidpy: a scalable framework for spatial omics analysis. Nature Methods, 2022, 19, 171-178.	19.0	308
2	Single-cell meta-analysis of SARS-CoV-2 entry genes across tissues and demographics. Nature Medicine, 2021, 27, 546-559.	30.7	261
3	Ultra‐high sensitivity mass spectrometry quantifies single‐cell proteome changes upon perturbation. Molecular Systems Biology, 2022, 18, e10798.	7.2	261
4	Concepts and limitations for learning developmental trajectories from single cell genomics. Development (Cambridge), 2019, 146, .	2.5	177
5	Single cells make big data: New challenges and opportunities in transcriptomics. Current Opinion in Systems Biology, 2017, 4, 85-91.	2.6	171
6	Spatial components of molecular tissue biology. Nature Biotechnology, 2022, 40, 308-318.	17.5	148
7	Inferring population dynamics from single-cell RNA-sequencing time series data. Nature Biotechnology, 2019, 37, 461-468.	17.5	85
8	Impulse model-based differential expression analysis of time course sequencing data. Nucleic Acids Research, 2018, 46, e119.	14.5	81
9	Predicting antigen specificity of single T cells based on <scp>TCR CDR</scp> 3 regions. Molecular Systems Biology, 2020, 16, e9416.	7.2	68
10	EpiScanpy: integrated single-cell epigenomic analysis. Nature Communications, 2021, 12, 5228.	12.8	59
11	Cell-Type-Specific Impact of Glucocorticoid Receptor Activation on the Developing Brain: A Cerebral Organoid Study. American Journal of Psychiatry, 2022, 179, 375-387.	7.2	33
12	Toward modeling metabolic state from single-cell transcriptomics. Molecular Metabolism, 2022, 57, 101396.	6.5	27
13	Group Testing for SARS-CoV-2 Allows for Up to 10-Fold Efficiency Increase Across Realistic Scenarios and Testing Strategies. Frontiers in Public Health, 2021, 9, 583377.	2.7	25
14	Single-cell RNA sequencing reveals ex vivo signatures of SARS-CoV-2-reactive T cells through 'reverse phenotyping'. Nature Communications, 2021, 12, 4515.	12.8	23
15	Sfaira accelerates data and model reuse in single cell genomics. Genome Biology, 2021, 22, 248.	8.8	18
16	Asc-1 regulates white versus beige adipocyte fate in a subcutaneous stromal cell population. Nature Communications, 2021, 12, 1588.	12.8	17
17	Graph representation learning for single-cell biology. Current Opinion in Systems Biology, 2021, 28, 100347.	2.6	15
18	Identification and characterization of distinct brown adipocyte subtypes in C57BL/6J mice. Life Science Alliance, 2021, 4, e202000924.	2.8	14

#	Article	IF	Citations
19	Automatic identification of relevant genes from low-dimensional embeddings of single-cell RNA-seq data. Bioinformatics, 2020, 36, 4291-4295.	4.1	7