# Catalina A Vallejos

List of Publications by Year
in descending order

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|---|---|---|---|
| 16 papers | 2,352 citations | 840776<br>11 h-index | 940533<br>16 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 4113 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Eleven grand challenges in single-cell data science. Genome Biology, 2020, 21, 31. | 8.8 | 742 |
| 2 | Normalizing single-cell RNA sequencing data: challenges and opportunities. Nature Methods, 2017, 14, 565-571. | 19.0 | 405 |
| 3 | Aging increases cell-to-cell transcriptional variability upon immune stimulation. Science, 2017, 355, 1433-1436. | 12.6 | 265 |
| 4 | BASiCS: Bayesian Analysis of Single-Cell Sequencing Data. PLoS Computational Biology, 2015, 11, e1004333. | 3.2 | 264 |
| 5 | High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. Lancet, The, 2018, 392, 919-928. | 13.7 | 263 |
| 6 | High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. Circulation, 2020, 141, 161-171. | 1.6 | 124 |
| 7 | Beyond comparisons of means: understanding changes in gene expression at the single-cell level. Genome Biology, 2016, 17, 70. | 8.8 | 90 |
| 8 | Correcting the Mean-Variance Dependency for Differential Variability Testing Using Single-Cell RNA Sequencing Data. Cell Systems, 2018, 7, 284-294.e12. | 6.2 | 71 |
| 9 | Single-nucleus RNA-seq2 reveals functional crosstalk between liver zonation and ploidy. Nature Communications, 2021, 12, 4264. | 12.8 | 46 |
| 10 | Objective Bayesian Survival Analysis Using Shape Mixtures of Log-Normal Distributions. Journal of the American Statistical Association, 2015, 110, 697-710. | 3.1 | 18 |
| 11 | scMET: Bayesian modeling of DNA methylation heterogeneity at single-cell resolution. Genome Biology, 2021, 22, 114. | 8.8 | 14 |
| 12 | Exploring a world of a thousand dimensions. Nature Biotechnology, 2019, 37, 1423-1424. | 17.5 | 12 |
| 13 | High-sensitivity cardiac troponin and the diagnosis of myocardial infarction in patients with kidney impairment. Kidney International, 2022, 102, 149-159. | 5.2 | 9 |
| 14 | Incorporating unobserved heterogeneity in Weibull survival models: A Bayesian approach. Econometrics and Statistics, 2017, 3, 73-88. | 0.8 | 3 |
| 15 | SCRaPL: A Bayesian hierarchical framework for detecting technical associates in single cell multiomics data. PLoS Computational Biology, 2022, 18, e1010163. | 3.2 | 2 |
| 16 | BASiCS workflow: a step-by-step analysis of expressionÂvariability using single cell RNA sequencing data. F1000Research, 0, 11, 59. | 1.6 | 0 |