

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 15, 2026

DoubletFinder

RRID:SCR_018771

Type: Tool

Proper Citation

DoubletFinder (RRID:SCR_018771)

Resource Information

URL: <https://github.com/chris-mcginnis-ucsf/DoubletFinder>

Proper Citation: DoubletFinder (RRID:SCR_018771)

Description: Software R package that predicts doublets in single cell RNA sequencing data. Doublet detection in single cell RNA sequencing data using artificial nearest neighbors. Identifies doublets using only gene expression data.

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:30954475](#)

Keywords: Doublet detection in single cell RNA, single cell RNA, doublet detection, RNA sequencing data, gene expression data, artificial nearest neighbors

Funding: Damon Runyon Cancer Research Foundation ;
Department of Defense Breast Cancer Research Program ;
NICHD DP2 HD080351;
NSF Science and Technology Center ;
NSF MCB 1330864;
UCSF Center for Cellular Construction

Availability: Free, Available for download, Freely available

Resource Name: DoubletFinder

Resource ID: SCR_018771

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260912T195905+0000

Ratings and Alerts

No rating or validation information has been found for DoubletFinder.

No alerts have been found for DoubletFinder.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1250 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Hu W, et al. (2026) Combined single-cell profiling of chromatin-transcriptome and splicing across brain cell types, regions and disease state. Nature biotechnology, 44(6), 976.

Du L, et al. (2026) Cell-Type-Specific and Variety-Specific Responses to Salt Stress in Wheat Root Revealed by Single-Cell Transcriptomics. Plant biotechnology journal, 24(3), 1446.

Zhou P, et al. (2026) Targeting senescent EGR1+ B cells enhances immunotherapy efficacy in esophageal squamous cell carcinoma. Cell reports. Medicine, 102532.

Giannini M, et al. (2026) A human pathophysiological 3D-bone marrow model reveals immune and stromal cell heterogeneity. Communications biology, 9(1), 164.

Wang J, et al. (2026) Integrated experimental and computational workflows for single-cell transcriptomics in plants. Plant methods, 22(1), 12.

Zhu Y, et al. (2026) Single-cell RNA sequencing unveils enhanced antitumor immunity in colorectal cancer with PD-1 blockade and LINC00673 deletion. Biomarker research, 14(1), 16.

Hu H, et al. (2026) Single-cell RNA sequencing elucidates potential mechanisms of endothelial cells in lung region-specific repair and remodeling in combined pulmonary fibrosis and emphysema. Respiratory research, 27(1), 39.

Hegarty LM, et al. (2026) Tissue resident colonic macrophages persist through acute inflammation and adapt to aid tissue repair. Mucosal immunology, 19(1), 1624.

Wu C, et al. (2026) The Tumor-to-Endothelial Transfer of FTO Promotes Vascular Remodeling and Metastasis in Nasopharyngeal Carcinoma. Advanced science (Weinheim, Baden-Wurtemberg, Germany), 13(8), e09524.

Xi Y, et al. (2026) Macrophage efferocytosis mediated by the TP63-RAC2 pathway promotes immunosuppressive remodeling in esophageal cancer. Cell reports. Medicine, 7(1), 102529.

Wang J, et al. (2026) Mitochondrial pyruvate metabolism in club cells drives airway inflammation. *Stem cell reports*, 21(1), 102742.

Wen S, et al. (2026) Transcription Profiling of Potato Leaves in Response to Heat Stress at Single-Cell Resolution. *Plant biotechnology journal*, 24(5), 2970.

Huang BY, et al. (2026) Vessels encapsulating tumor clusters promote noninvasive metastasis of hepatocellular carcinoma by shaping an immunosuppressive microenvironment. *The Journal of clinical investigation*, 136(4).

Zou Y, et al. (2026) Gut microbiota dysbiosis exacerbates acute pancreatitis via *Escherichia coli*-driven neutrophil heterogeneity and NETosis. *Gut microbes*, 18(1), 2606480.

Thienger P, et al. (2026) A Double-Negative Prostate Cancer Subtype Is Vulnerable to SWI/SNF-Targeting Degradation Molecules. *Cancer research*, 86(7), 1570.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Sun S, et al. (2026) HMGB1 affects the progression of neurofibromatosis type 1-associated malignant peripheral nerve sheath tumors through E2F2. *Cancer cell international*, 26(1), 95.

Labra SR, et al. (2026) Autophagy Activators Normalize Aberrant Tau Proteostasis and Rescue Synapses in Human Familial Alzheimer's Disease iPSC-Derived Cortical Organoids. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(17), e14783.

de Menezes MN, et al. (2026) High efficiency CRISPR knock-in demonstrates that TCF1 is insufficient to reverse T cell exhaustion. *Nature communications*, 17(1).

Wang JH, et al. (2026) Peritumoural adipose tissue drives immune evasion in colorectal cancer via adipose-mesenchymal transformation. *Nature cell biology*, 28(3), 581.