

# David van Dijk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9053960/publications.pdf>

Version: 2024-02-01

34  
papers

5,648  
citations

304743

22  
h-index

434195

31  
g-index

44  
all docs

44  
docs citations

44  
times ranked

11682  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. <i>Nature Communications</i> , 2022, 13, 440.	12.8	100
2	Prdm6 controls heart development by regulating neural crest cell differentiation and migration. <i>JCI Insight</i> , 2022, 7, .	5.0	13
3	Single-cell multiomics reveals persistence of HIV-1 in expanded cytotoxic T cell clones. <i>Immunity</i> , 2022, 55, 1013-1031.e7.	14.3	61
4	Interspecies commensal interactions have nonlinear impacts on host immunity. <i>Cell Host and Microbe</i> , 2022, 30, 988-1002.e6.	11.0	23
5	Genome-wide CRISPR Screens Reveal Host Factors Critical for SARS-CoV-2 Infection. <i>Cell</i> , 2021, 184, 76-91.e13.	28.9	418
6	Neuroinvasion of SARS-CoV-2 in human and mouse brain. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	677
7	A neutrophil activation signature predicts critical illness and mortality in COVID-19. <i>Blood Advances</i> , 2021, 5, 1164-1177.	5.2	241
8	Quantifying the effect of experimental perturbations at single-cell resolution. <i>Nature Biotechnology</i> , 2021, 39, 619-629.	17.5	98
9	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. <i>PLoS Biology</i> , 2021, 19, e3001143.	5.6	180
10	A phenomapping-derived tool to personalize the selection of anatomical vs. functional testing in evaluating chest pain (ASSIST). <i>European Heart Journal</i> , 2021, 42, 2536-2548.	2.2	17
11	Immune dysregulation and autoreactivity correlate with disease severity in SARS-CoV-2-associated multisystem inflammatory syndrome in children. <i>Immunity</i> , 2021, 54, 1083-1095.e7.	14.3	164
12	A method for the rational selection of drug repurposing candidates from multimodal knowledge harmonization. <i>Scientific Reports</i> , 2021, 11, 11049.	3.3	12
13	Generating hard-to-obtain information from easy-to-obtain information: Applications in drug discovery and clinical inference. <i>Patterns</i> , 2021, 2, 100288.	5.9	5
14	Development and Validation of the Quick COVID-19 Severity Index: A Prognostic Tool for Early Clinical Decompensation. <i>Annals of Emergency Medicine</i> , 2020, 76, 442-453.	0.6	219
15	Learning General Transformations of Data for Out-of-Sample Extensions. , 2020, 2020, .		0
16	Transcriptomic and clonal characterization of T cells in the human central nervous system. <i>Science Immunology</i> , 2020, 5, .	11.9	73
17	Circulating markers of angiogenesis and endotheliopathy in COVID-19. <i>Pulmonary Circulation</i> , 2020, 10, 1-4.	1.7	103
18	Single cell immune profiling of dengue virus patients reveals intact immune responses to Zika virus with enrichment of innate immune signatures. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008112.	3.0	20

#	ARTICLE	IF	CITATIONS
19	Uncovering axes of variation among single-cell cancer specimens. <i>Nature Methods</i> , 2020, 17, 302-310.	19.0	39
20	TrajectoryNet: A Dynamic Optimal Transport Network for Modeling Cellular Dynamics. <i>Proceedings of Machine Learning Research</i> , 2020, 119, 9526-9536.	0.3	3
21	Coarse Graining of Data via Inhomogeneous Diffusion Condensation. , 2019, 2019, 2624-2633.		9
22	Compressed Diffusion. , 2019, , .		5
23	Exploring single-cell data with deep multitasking neural networks. <i>Nature Methods</i> , 2019, 16, 1139-1145.	19.0	222
24	Visualizing structure and transitions in high-dimensional biological data. <i>Nature Biotechnology</i> , 2019, 37, 1482-1492.	17.5	597
25	Modeling Global Dynamics from Local Snapshots with Deep Generative Neural Networks. , 2019, , .		1
26	Manifold learning-based methods for analyzing single-cell RNA-sequencing data. <i>Current Opinion in Systems Biology</i> , 2018, 7, 36-46.	2.6	103
27	Recovering Gene Interactions from Single-Cell Data Using Data Diffusion. <i>Cell</i> , 2018, 174, 716-729.e27.	28.9	1,197
28	Large-scale mapping of gene regulatory logic reveals context-dependent repression by transcriptional activators. <i>Genome Research</i> , 2017, 27, 87-94.	5.5	28
29	PD-1 marks dysfunctional regulatory T cells in malignant gliomas. <i>JCI Insight</i> , 2016, 1, .	5.0	182
30	Slow-growing cells within isogenic populations have increased RNA polymerase error rates and DNA damage. <i>Nature Communications</i> , 2015, 6, 7972.	12.8	51
31	Noise in gene expression is coupled to growth rate. <i>Genome Research</i> , 2015, 25, 1893-1902.	5.5	83
32	Probing the effect of promoters on noise in gene expression using thousands of designed sequences. <i>Genome Research</i> , 2014, 24, 1698-1706.	5.5	118
33	Publication metrics and success on the academic job market. <i>Current Biology</i> , 2014, 24, R516-R517.	3.9	168
34	Promoter Sequence Determines the Relationship between Expression Level and Noise. <i>PLoS Biology</i> , 2013, 11, e1001528.	5.6	143