Dmitry Kobak

List of Publications by Year
in descending order

24	2,862	623734	580821
papers	citations	14	25
		h-index	g-index
43	43	43	3913
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	The art of using t-SNE for single-cell transcriptomics. Nature Communications, 2019, 10, 5416.	12.8	601
2	Demixed principal component analysis of neural population data. ELife, 2016, 5, .	6.0	397
3	Tracking excess mortality across countries during the COVID-19 pandemic with the World Mortality Dataset. ELife, 2021, 10, .	6.0	348
4	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	27.8	316
5	Phenotypic variation of transcriptomic cell types in mouse motor cortex. Nature, 2021, 598, 144-150.	27.8	196
6	Distributed and Mixed Information in Monosynaptic Inputs to Dopamine Neurons. Neuron, 2016, 91, 1374-1389.	8.1	195
7	Initialization is critical for preserving global data structure in both t-SNE and UMAP. Nature Biotechnology, 2021, 39, 156-157.	17.5	140
8	Layer 4 of mouse neocortex differs in cell types and circuit organization between sensory areas. Nature Communications, 2019, 10, 4174.	12.8	101
9	Patch-seq: Past, Present, and Future. Journal of Neuroscience, 2021, 41, 937-946.	3.6	60
10	Analytic Pearson residuals for normalization of single-cell RNA-seq UMI data. Genome Biology, 2021, 22, 258.	8.8	44
11	Excess Mortality Reveals Covid's True Toll in Russia. Significance, 2021, 18, 16-19.	0.4	38
12	Cell type composition and circuit organization of clonally related excitatory neurons in the juvenile mouse neocortex. ELife, 2020, 9, .	6.0	37
13	Integer percentages as electoral falsification fingerprints. Annals of Applied Statistics, 2016, 10, .	1.1	25
14	A Systematic Evaluation of Interneuron Morphology Representations for Cell Type Discrimination. Neuroinformatics, 2020, 18, 591-609.	2.8	20
15	Sparse Reduced-Rank Regression for Exploratory Visualisation of Paired Multivariate Data. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 980-1000.	1.0	18
16	Adaptation Paths to Novel Motor Tasks Are Shaped by Prior Structure Learning. Journal of Neuroscience, 2012, 32, 9898-9908.	3.6	14
17	State-dependent geometry of population activity in rat auditory cortex. ELife, 2019, 8, .	6.0	14
18	Heavy-Tailed Kernels Reveal a Finer Cluster Structure in t-SNE Visualisations. Lecture Notes in Computer Science, 2020, 11906, 124-139.	1.3	13

#	Article	IF	Citations
19	Statistical fingerprints of electoral fraud?. Significance, 2016, 13, 20-23.	0.4	11
20	Interpretable Gender Classification fromÂRetinal Fundus Images Using BagNets. Lecture Notes in Computer Science, 2021, , 477-487.	1.3	11
21	Suspect Peaks in Russia's â€œReferendumâ€•Results. Significance, 2020, 17, 8-9.	0.4	9
22	Motor skill learning decreases movement variability and increases planning horizon. Journal of Neurophysiology, 2022, 127, 995-1006.	1.8	9
23	Putin's peaks: Russian election data revisited. Significance, 2018, 15, 8-9.	0.4	6
24	Underdispersion: A Statistical Anomaly in Reported Covid Data. Significance, 2022, 19, 10-13.	0.4	4