Vanessa V Sochat

List of Publications by Year
in descending order

29 papers	4,271 citations	623734 14 h-index	642732 23 g-index
33 all docs	33 docs citations	33 times ranked	7697 citing authors

#	Article	IF	Citations
1	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. Scientific Data, 2016, 3, 160044.	5.3	1,038
2	Singularity: Scientific containers for mobility of compute. PLoS ONE, 2017, 12, e0177459.	2.5	941
3	Sustainable data analysis with Snakemake. F1000Research, 2021, 10, 33.	1.6	642
4	NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. Frontiers in Neuroinformatics, 2015, 9, 8.	2.5	482
5	Long-term neural and physiological phenotyping of a single human. Nature Communications, 2015, 6, 8885.	12.8	353
6	Sustainable data analysis with Snakemake. F1000Research, 2021, 10, 33.	1.6	188
7	Searching for a minimal set of behaviors for autism detection through feature selection-based machine learning. Translational Psychiatry, 2015, 5, e514-e514.	4.8	179
8	DataLad: distributed system for joint management of code, data, and their relationship. Journal of Open Source Software, 2021, 6, 3262.	4.6	71
9	NeuroVault.org: A repository for sharing unthresholded statistical maps, parcellations, and atlases of the human brain. NeuroImage, 2016, 124, 1242-1244.	4.2	70
10	Sharing brain mapping statistical results with the neuroimaging data model. Scientific Data, 2016, 3, 160102.	5.3	53
11	The Experiment Factory: Standardizing Behavioral Experiments. Frontiers in Psychology, 2016, 7, 610.	2.1	51
12	Ten simple rules for writing Dockerfiles for reproducible data science. PLoS Computational Biology, 2020, 16, e1008316.	3.2	42
13	Enhancing reproducibility in scientific computing: Metrics and registry for Singularity containers. PLoS ONE, 2017, 12, e0188511.	2.5	37
14	A Robust Classifier to Distinguish Noise from fMRI Independent Components. PLoS ONE, 2014, 9, e95493.	2.5	24
15	The Experiment Factory: Reproducible Experiment Containers. Journal of Open Source Software, 2018, 3, 521.	4.6	15
16	Containershare: Open Source Registry to build, test, deploy with CircleCI. Journal of Open Source Software, 2018, 3, 878.	4.6	7
17	Singularity Registry: Open Source Registry for Singularity Images. Journal of Open Source Software, 2017, 2, 426.	4.6	5
18	Predicting Prostate Cancer Recurrence After Radical Prostatectomy. Prostate, 2017, 77, 291-298.	2.3	4

#	Article	IF	Citations
19	The Scientific Filesystem. GigaScience, 2018, 7, .	6.4	4
20	Collaborative Container Modules with Singularity Registry HPC. Journal of Open Source Software, 2021, 6, 3311.	4.6	4
21	AuthorSynth: a collaboration network and behaviorally-based visualization tool of activation reports from the neuroscience literature. Frontiers in Neuroinformatics, 2015, 9, 6.	2.5	3
22	Effects of thresholding on correlation-based image similarity metrics. Frontiers in Neuroscience, 2015, 9, 418.	2.8	3
23	The 10 best practices for remote software engineering. Communications of the ACM, 2021, 64, 32-36.	4.5	2
24	AIM: AN ABSTRACTION FOR IMPROVING MACHINE LEARNING PREDICTION. , 2018, , .		1
25	Singularity Compose: Orchestration for Singularity Instances. Journal of Open Source Software, 2019, 4, 1578.	4.6	1
26	HelpMe Command Line Helper Utility. Journal of Open Source Software, 2018, 3, 775.	4.6	0
27	WatchMe: Software for Reproducible Monitoring and Data Collection. Journal of Open Source Software, 2019, 4, 1388.	4.6	0
28	Container Tree: Software to Model Container Filesystems, Packages, and Inheritance. Journal of Open Source Software, 2019, 4, 1418.	4.6	0
29	GridTest: testing and metrics collection for Python. Journal of Open Source Software, 2020, 5, 2284.	4.6	0