

StÃ©fan Van Der Walt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10916630/publications.pdf>

Version: 2024-02-01

13
papers

12,729
citations

932766

10
h-index

1125271

13
g-index

14
all docs

14
docs citations

14
times ranked

24163
citing authors

#	ARTICLE	IF	CITATIONS
1	The NumPy Array: A Structure for Efficient Numerical Computation. Computing in Science and Engineering, 2011, 13, 22-30.	1.2	7,797
2	scikit-image: image processing in Python. PeerJ, 2014, 2, e453.	0.9	3,711
3	Dipy, a library for the analysis of diffusion MRI data. Frontiers in Neuroinformatics, 2014, 8, 8.	1.3	891
4	A recurrent neural network for classification of unevenly sampled variable stars. Nature Astronomy, 2018, 2, 151-155.	4.2	94
5	Evaluating the Accuracy of Diffusion MRI Models in White Matter. PLoS ONE, 2015, 10, e0123272.	1.1	67
6	Insect: Automating the Digitization of Natural History Collections. PLoS ONE, 2015, 10, e0143402.	1.1	43
7	Revealing ferroelectric switching character using deep recurrent neural networks. Nature Communications, 2019, 10, 4809.	5.8	34
8	SkyPortal: An Astronomical Data Platform. Journal of Open Source Software, 2019, 4, 1247.	2.0	29
9	Analyzing microtomography data with Python and the scikit-image library. Advanced Structural and Chemical Imaging, 2016, 2, 18.	4.0	25
10	Machine Detection of Enhanced Electromechanical Energy Conversion in $\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ Thin Films. Advanced Materials, 2018, 30, e1800701.	11.1	23
11	cesium: Open-Source Platform for Time-Series Inference. , 2016, , .		5
12	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. Astronomical Journal, 2022, 163, 209.	1.9	2
13	Scientific Python: A Mature Computational Ecosystem for Microscopy. Microscopy and Microanalysis, 2019, 25, 132-133.	0.2	1