

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