

Travis E Oliphant

List of Publications by Year in descending order

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13
papers

30,720
citations

1306789

7
h-index

1281420

11
g-index

13
all docs

13
docs citations

13
times ranked

36567
citing authors

#	ARTICLE	IF	CITATIONS
1	SciPy 1.0: fundamental algorithms for scientific computing in Python. Nature Methods, 2020, 17, 261-272.	9.0	17,539
2	Array programming with NumPy. Nature, 2020, 585, 357-362.	13.7	10,143
3	Python for Scientific Computing. Computing in Science and Engineering, 2007, 9, 10-20.	1.2	2,607
4	Complex-valued stiffness reconstruction for magnetic resonance elastography by algebraic inversion of the differential equation. Magnetic Resonance in Medicine, 2001, 45, 299-310.	1.9	313
5	Acoustic shear-wave imaging using echo ultrasound compared to magnetic resonance elastography. Ultrasound in Medicine and Biology, 2000, 26, 397-403.	0.7	76
6	Simple Linear Models of Scanning Impedance Imaging for Fast Reconstruction of Relative Conductivity of Biological Samples. IEEE Transactions on Biomedical Engineering, 2006, 53, 2323-2332.	2.5	10
7	Noncontact scanning impedance imaging in an aqueous solution. Applied Physics Letters, 2004, 85, 1080-1082.	1.5	8
8	Estimation of Complex-Valued Stiffness Using Acoustic Waves Measured with Magnetic Resonance. , 2002, , 277-295.		6
9	Resolution scaling in noncontact scanning impedance imaging. Review of Scientific Instruments, 2004, 75, 4610-4614.	0.6	6
10	Quantifying resistivity using scanning impedance imaging. Sensors and Actuators A: Physical, 2007, 137, 338-344.	2.0	5
11	On Parameter Estimates of the Lossy Wave Equation. IEEE Transactions on Signal Processing, 2008, 56, 49-60.	3.2	5
12	Verification and application of a finite-difference model for quasi-electrostatic scanning impedance imaging. Journal of Electrostatics, 2007, 65, 244-250.	1.0	2
13	A Fast Linear Reconstruction Method for Scanning Impedance Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0