

Alistair Boyle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4527613/publications.pdf>

Version: 2024-02-01

12
papers

423
citations

1163117

8
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical Impedance Tomography: Tissue Properties to Image Measures. IEEE Transactions on Biomedical Engineering, 2017, 64, 2494-2504.	4.2	186
2	The impact of electrode area, contact impedance and boundary shape on EIT images. Physiological Measurement, 2011, 32, 745-754.	2.1	73
3	Shape Deformation in Two-Dimensional Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2012, 31, 2185-2193.	8.9	35
4	Jointly reconstructing ground motion and resistivity for ERT-based slope stability monitoring. Geophysical Journal International, 2018, 212, 1167-1182.	2.4	27
5	4D electrical resistivity tomography (ERT) for aquifer thermal energy storage monitoring. Geothermics, 2019, 77, 368-382.	3.4	25
6	Electrical resistivity imaging in transmission between surface and underground tunnel for fault characterization. Journal of Applied Geophysics, 2016, 128, 163-178.	2.1	21
7	Addressing the computational cost of large EIT solutions. Physiological Measurement, 2012, 33, 787-800.	2.1	16
8	Methods for calculating the electrode position Jacobian for impedance imaging. Physiological Measurement, 2017, 38, 555-574.	2.1	12
9	Development and Validation of a Deep Learning Algorithm and Open-Source Platform for the Automatic Labelling of Motion Capture Markers. IEEE Access, 2021, 9, 36444-36454.	4.2	8
10	Beneficial techniques for spatio-temporal imaging in electrical impedance tomography. Physiological Measurement, 2020, 41, 064003.	2.1	6
11	Comparison of bolus- and filtering-based EIT measures of lung perfusion in an animal model. Physiological Measurement, 2019, 40, 054002.	2.1	5
12	Bioimpedance Spectroscopy Processing and Applications. , 2019, , 265-279.		4