

Sarah Hamilton

List of Publications by Year in descending order

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papers

493
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840776

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14
docs citations

14
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep D-Bar: Real-Time Electrical Impedance Tomography Imaging With Deep Neural Networks. IEEE Transactions on Medical Imaging, 2018, 37, 2367-2377.	8.9	217
2	The ACE1 Electrical Impedance Tomography System for Thoracic Imaging. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3137-3150.	4.7	50
3	Beltrami-net: domain-independent deep D-bar learning for absolute imaging with electrical impedance tomography (a-EIT). Physiological Measurement, 2019, 40, 074002.	2.1	46
4	A direct D-bar reconstruction algorithm for recovering a complex conductivity in 2D. Inverse Problems, 2012, 28, 095005.	2.0	30
5	Direct EIT Reconstructions of Complex Admittivities on a Chest-Shaped Domain in 2-D. IEEE Transactions on Medical Imaging, 2013, 32, 757-769.	8.9	24
6	Graph Convolutional Networks for Model-Based Learning in Nonlinear Inverse Problems. IEEE Transactions on Computational Imaging, 2021, 7, 1341-1353.	4.4	22
7	Comparing D-bar and common regularization-based methods for electrical impedance tomography. Physiological Measurement, 2019, 40, 044004.	2.1	19
8	A direct reconstruction method for anisotropic electrical impedance tomography. Inverse Problems, 2014, 30, 075007.	2.0	18
9	The utility of transient sensitivity for wildlife management and conservation: Bison as a case study. Biological Conservation, 2011, 144, 1808-1815.	4.1	14
10	Robust computation in 2D absolute EIT (a-EIT) using D-bar methods with the $\tilde{\exp}$ approximation. Physiological Measurement, 2018, 39, 064005.	2.1	14
11	EIT Imaging of admittivities with a D-bar method and spatial prior: experimental results for absolute and difference imaging. Physiological Measurement, 2017, 38, 1176-1192.	2.1	13
12	Survival and Breeding Transitions for a Reintroduced Bison Population: a Multistate Approach. Journal of Wildlife Management, 2010, 74, 1463-1471.	1.8	11
13	The ACE1 thoracic Electrical Impedance Tomography system for ventilation and perfusion. , 2015, 2015, 4073-6.		9
14	3D Electrical Impedance Tomography reconstructions from simulated electrode data using direct inversion $\mathbf{t}^{\{\text{exp}\}}$ and Calder ³ n methods. Inverse Problems and Imaging, 2021, 15, 1135-1169.	1.1	6