

Andrea Duggento

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,529
citations

448610

19
h-index

388640

36
g-index

67
all docs

67
docs citations

67
times ranked

2272
citing authors

#	ARTICLE	IF	CITATIONS
1	Patient-â€œclinician brain concordance underlies causal dynamics in nonverbal communication and negative affective expressivity. <i>Translational Psychiatry</i> , 2022, 12, 44.	2.4	10
2	Radiomics in breast cancer classification and prediction. <i>Seminars in Cancer Biology</i> , 2021, 72, 238-250.	4.3	165
3	Deep computational pathology in breast cancer. <i>Seminars in Cancer Biology</i> , 2021, 72, 226-237.	4.3	30
4	Editorial: Magnetic Resonance-Guided Focused Ultrasound: Physical Principles and Biomedical Applications. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
5	Thalamic neuroinflammation as a reproducible and discriminating signature for chronic low back pain. <i>Pain</i> , 2021, 162, 1241-1249.	2.0	24
6	A novel multi-branch architecture for state-of-the-art robust detection of pathological phonocardiograms. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200264.	1.6	5
7	Echo state network models for nonlinear Granger causality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200256.	1.6	11
8	Unsupervised stratification in neuroimaging through deep latent embeddings. , 2020, 2020, 1568-1571.		7
9	Association of plasma YKL-40 with brain amyloid- β^2 levels, memory performance, and sex in subjective memory complainers. <i>Neurobiology of Aging</i> , 2020, 96, 22-32.	1.5	18
10	Magnetic Resonance Methods for Focused Ultrasound-Induced Blood-Brain Barrier Opening. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	6
11	Detection of abnormal phonocardiograms through the Mel-frequency cepstrum and convolutional neural networks. , 2020, , .		1
12	Frequency dependent functional brain reorganization in anesthesia is specific to drug concentration. , 2020, 2020, 2921-2924.		0
13	Multidimensional autonomic nervous system profiles relate to psychiatric disturbances, emotion and personality. , 2020, , .		0
14	Serological determinants of COVID-19. <i>Biology Direct</i> , 2020, 15, 21.	1.9	11
15	Uncovering complex central autonomic networks at rest: a functional magnetic resonance imaging study on complex cardiovascular oscillations. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190878.	1.5	42
16	Neuroinflammation in Neurodegenerative Diseases: Current Multi-modal Imaging Studies and Future Opportunities for Hybrid PET/MRI. <i>Neuroscience</i> , 2019, 403, 125-135.	1.1	26
17	Variability and Reproducibility of Directed and Undirected Functional MRI Connectomes in the Human Brain. <i>Entropy</i> , 2019, 21, 661.	1.1	15
18	A Parsimonious Granger Causality Formulation for Capturing Arbitrarily Long Multivariate Associations. <i>Entropy</i> , 2019, 21, 629.	1.1	1

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19	Novel insights into breast cancer progression and metastasis: A multidisciplinary opportunity to transition from biology to clinical oncology. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1872, 138-148.	3.3	31
20	A novel approach for geographical risk mapping of morbidity and mortality rates: the case of Val D'Agri, Italy. <i>Scientific Reports</i> , 2019, 9, 10348.	1.6	1
21	Time-resolved connectome of the five-factor model of personality. <i>Scientific Reports</i> , 2019, 9, 15066.	1.6	8
22	MR Imaging-Histology Correlation by Tailored 3D-Printed Slicer in Oncological Assessment. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-9.	0.4	16
23	An Ad Hoc Random Initialization Deep Neural Network Architecture for Discriminating Malignant Breast Cancer Lesions in Mammographic Images. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-9.	0.4	18
24	The central autonomic network at rest: Uncovering functional MRI correlates of time-varying autonomic outflow. <i>NeuroImage</i> , 2019, 197, 383-390.	2.1	92
25	Anaemia under-reporting in a hospital setting in Italy. <i>European Journal of Public Health</i> , 2019, 29, .	0.1	1
26	Recurrent neural networks for reconstructing complex directed brain connectivity. , 2019, 2019, 6418-6421.		5
27	Resting State Neural Correlates of Cardiac Sympathetic Dynamics in Healthy Subjects. , 2019, 2019, 4330-4333.		0
28	A random initialization deep neural network for discriminating malignant breast cancer lesions. , 2019, 2019, 912-915.		5
29	A parameter-efficient deep learning approach to predict conversion from mild cognitive impairment to Alzheimer's disease. <i>NeuroImage</i> , 2019, 189, 276-287.	2.1	260
30	Revolution of Alzheimer Precision Neurology. <i>Passageway of Systems Biology and Neurophysiology. Journal of Alzheimer's Disease</i> , 2018, 64, S47-S105.	1.2	122
31	250. A complete computational framework for simulating and inferring directed neuronal coupling under haemodynamic convolution. <i>Physica Medica</i> , 2018, 56, 216.	0.4	0
32	A Multi-modal Convolutional Neural Network Framework for the Prediction of Alzheimer's Disease. , 2018, 2018, 1271-1274.		34
33	A realistic neuronal network and neurovascular coupling model for the study of multivariate directed connectivity in fMRI data. , 2018, 2018, 5537-5540.		2
34	Multivariate Granger causality unveils directed parietal to prefrontal cortex connectivity during task-free MRI. <i>Scientific Reports</i> , 2018, 8, 5571.	1.6	32
35	Motion sickness increases functional connectivity between visual motion and nausea-associated brain regions. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 202, 108-113.	1.4	40
36	Functional connectivity in amygdala/sensory/(pre)motor networks at rest: new evidence from the Human Connectome Project. <i>European Journal of Neuroscience</i> , 2017, 45, 1224-1229.	1.2	41

#	ARTICLE	IF	CITATIONS
37	Resting-state brain correlates of cardiovascular complexity. , 2017, 2017, 3317-3320.		4
38	Resting-state brain correlates of instantaneous autonomic outflow. , 2017, 2017, 3325-3328.		13
39	Estimating directed brain-brain and brain-heart connectivity through globally conditioned Granger causality approaches. , 2017, 2017, 4367-4370.		1
40	Dynamical brain connectivity estimation using GARCH models: An application to personality neuroscience. , 2017, 2017, 3305-3308.		2
41	Dynamic inter-network connectivity in the human brain. , 2017, 2017, 3313-3316.		3
42	Simultaneous estimation of the in-mean and in-variance causal connectomes of the human brain. , 2017, 2017, 4371-4374.		3
43	Heart rate variability in untreated newly diagnosed temporal lobe epilepsy: Evidence for ictal sympathetic dysregulation. Epilepsia, 2016, 57, 418-426.	2.6	45
44	Distribution-aware estimation of the minimum achievable uncertainty in diffusion-tensor imaging (DTI). , 2016, 2016, 5541-5544.		0
45	Predicting seizures in untreated temporal lobe epilepsy using point-process nonlinear models of heartbeat dynamics. , 2016, 2016, 985-988.		5
46	Differences in Gaussian diffusion tensor imaging and non-Gaussian diffusion kurtosis imaging model-based estimates of diffusion tensor invariants in the human brain. Medical Physics, 2016, 43, 2464-2475.	1.6	36
47	Forecasting nanoparticle toxicity using nonlinear predictive regressor learning systems. , 2016, 2016, 137-140.		3
48	Su1567 Motion Sickness Increases Functional Connectivity Between Visual Motion and Nausea-Associated Brain Regions. Gastroenterology, 2016, 150, S528.	0.6	0
49	Globally conditioned Granger causality in brain-brain and brain-heart interactions: a combined heart rate variability/ultra-high-field (7 T) functional magnetic resonance imaging study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150185.	1.6	42
50	Reconstructing multivariate causal structure between functional brain networks through a Laguerre-Volterra based Granger causality approach. , 2016, 2016, 5477-5480.		3
51	Quantitative analysis of basal and interim PET/CT images for predicting tumor recurrence in patients with Hodgkin's lymphoma. Nuclear Medicine Communications, 2016, 37, 16-22.	0.5	7
52	Globally conditioned causality in estimating directed brain-heart interactions through joint MRI and RR series analysis. , 2015, 2015, 3795-8.		0
53	STABILITY AND RESPONSIVENESS OF THE CARDIOVASCULAR SYSTEM UNDER A PHYSIOLOGICALLY INSPIRED BAROREFLEX MODEL. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540014.	0.3	1
54	A tutorial on time-evolving dynamical Bayesian inference. European Physical Journal: Special Topics, 2014, 223, 2685-2703.	1.2	35

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55	MODELING OF HUMAN BAROREFLEX: CONSIDERATIONS ON THE SEIDEL“HERZEL MODEL. Fluctuation and Noise Letters, 2012, 11, 1240017.	1.0	9
56	Dynamical Bayesian inference of time-evolving interactions: From a pair of coupled oscillators to networks of oscillators. Physical Review E, 2012, 86, 061126.	0.8	50
57	Inference of Time-Evolving Coupled Dynamical Systems in the Presence of Noise. Physical Review Letters, 2012, 109, 024101.	2.9	131
58	Intra- and inter-beat modeling of cardiovascular dynamics and control: Assessing haemodynamic stability and responsiveness. , 2011, 2011, 8440-3.		2
59	Inferential framework for non-stationary dynamics: theory and applications. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01025.	0.9	5
60	Applications of dynamical inference to the analysis of noisy biological time series with hidden dynamical variables. , 2009, , .		0
61	Inferential framework for nonstationary dynamics. II. Application to a model of physiological signaling. Physical Review E, 2008, 77, 061106.	0.8	22
62	Inferential framework for nonstationary dynamics. I. Theory. Physical Review E, 2008, 77, 061105.	0.8	19
63	Bayesian inferential framework for diagnosis of non-stationary systems. , 2007, , .		0