

Andrea Soddu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

4,756
citations

34
h-index

68
g-index

105
ext. papers

5,792
ext. citations

4.3
avg, IF

5.08
L-index

#	Paper	IF	Citations
96	Diagnostic Developments in Differentiating Unresponsive Wakefulness Syndrome and the Minimally Conscious State.. <i>Frontiers in Neurology</i> , 2021 , 12, 778951	4.1	2
95	Exploring electroencephalography with a model inspired by quantum mechanics. <i>Scientific Reports</i> , 2021 , 11, 19771	4.9	
94	A comparison of diffusion tractography techniques in simulating the generalized Ising model to predict the intrinsic activity of the brain. <i>Brain Structure and Function</i> , 2021 , 226, 817-832	4	1
93	Consciousness and the Dimensionality of DOC Patients via the Generalized Ising Model. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
92	Time-Delay Latency of Resting-State Blood Oxygen Level-Dependent Signal Related to the Level of Consciousness in Patients with Severe Consciousness Impairment. <i>Brain Connectivity</i> , 2020 , 10, 83-94	2.7	3
91	Training Skills in Minimally Invasive, Robotic and Open Surgery: Brain Activation as an Opportunity for Learning. <i>European Surgical Research</i> , 2020 , 61, 34-50	1.1	1
90	Neuroimaging of Narcolepsy and Primary Hypersomnias. <i>Neuroscientist</i> , 2020 , 26, 310-327	7.6	4
89	Characterization of near death experiences using text mining analyses: A preliminary study. <i>PLoS ONE</i> , 2020 , 15, e0227402	3.7	3
88	The Emergence of Integrated Information, Complexity, and 'Consciousness' at Criticality. <i>Entropy</i> , 2020 , 22,	2.8	7
87	Organization of the commissural fiber system in congenital and late-onset blindness. <i>NeuroImage: Clinical</i> , 2020 , 25, 102133	5.3	9
86	Reconfiguration of large-scale functional connectivity in patients with disorders of consciousness. <i>Brain and Behavior</i> , 2020 , 10, e1476	3.4	6
85	Modeling an auditory stimulated brain under altered states of consciousness using the generalized Ising model. <i>NeuroImage</i> , 2020 , 223, 117367	7.9	5
84	Tinnitus distress: a paradoxical attention to the sound?. <i>Journal of Neurology</i> , 2019 , 266, 2197-2207	5.5	10
83	What impact can hospitalization environment produce on the ANS functioning in patients with Unresponsive Wakefulness Syndrome? - 24-hour monitoring. <i>Brain Injury</i> , 2019 , 33, 1347-1353	2.1	1
82	Toward an Attention-Based Diagnostic Tool for Patients With Locked-in Syndrome. <i>Clinical EEG and Neuroscience</i> , 2018 , 49, 122-135	2.3	10
81	Multifaceted brain networks reconfiguration in disorders of consciousness uncovered by co-activation patterns. <i>Human Brain Mapping</i> , 2018 , 39, 89-103	5.9	23
80	Multimodal Neuroimaging Approach to Variability of Functional Connectivity in Disorders of Consciousness: A PET/MRI Pilot Study. <i>Frontiers in Neurology</i> , 2018 , 9, 861	4.1	12

79	Role of Dimensionality in Predicting the Spontaneous Behavior of the Brain Using the Classical Ising Model and the Ising Model Implemented on a Structural Connectome. <i>Brain Connectivity</i> , 2018 , 8, 444-455	2.7	8
78	A method for independent component graph analysis of resting-state fMRI. <i>Brain and Behavior</i> , 2017 , 7, e00626	3.4	13
77	Multivariate Functional Network Connectivity for Disorders of Consciousness. <i>Lecture Notes in Computer Science</i> , 2017 , 434-442	0.9	
76	A Principal Component Analysis of the Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2017 , 836, 162	4.7	21
75	Sleep, Coma, Vegetative and Minimally Conscious States 2017 , 901-913		0
74	Spontaneous low frequency BOLD signal variations from resting-state fMRI are decreased in Alzheimer disease. <i>PLoS ONE</i> , 2017 , 12, e0178529	3.7	13
73	Sedation of Patients With Disorders of Consciousness During Neuroimaging: Effects on Resting State Functional Brain Connectivity. <i>Anesthesia and Analgesia</i> , 2017 , 124, 588-598	3.9	24
72	Enhancing contrast agents and radiotracers performance through hyaluronic acid-coating in neuroradiology and nuclear medicine. <i>Hellenic Journal of Nuclear Medicine</i> , 2017 , 20, 166-168	0.6	17
71	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , 2016 , 221, 2985-97	4	59
70	Resting-state Network-specific Breakdown of Functional Connectivity during Ketamine Alteration of Consciousness in Volunteers. <i>Anesthesiology</i> , 2016 , 125, 873-888	4.3	111
69	Propofol-Induced Frontal Cortex Disconnection: A Study of Resting-State Networks, Total Brain Connectivity, and Mean BOLD Signal Oscillation Frequencies. <i>Brain Connectivity</i> , 2016 , 6, 225-37	2.7	34
68	Correlation between resting state fMRI total neuronal activity and PET metabolism in healthy controls and patients with disorders of consciousness. <i>Brain and Behavior</i> , 2016 , 6, e00424	3.4	26
67	Structural brain injury in patients with disorders of consciousness: A voxel-based morphometry study. <i>Brain Injury</i> , 2016 , 30, 343-52	2.1	25
66	Hybrid Imaging in Vegetative State 2016 , 247-249		
65	Functional Connectivity Substrates for tDCS Response in Minimally Conscious State Patients. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 257	6.1	21
64	Pain Perception in Unresponsive Wakefulness Syndrome May Challenge the Interruption of Artificial Nutrition and Hydration: Neuroethics in Action. <i>Frontiers in Neurology</i> , 2016 , 7, 202	4.1	7
63	Neural correlates of consciousness in patients who have emerged from a minimally conscious state: a cross-sectional multimodal imaging study. <i>Lancet Neurology</i> , 2016 , 15, 830-842	24.1	127
62	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , 2015 , 138, 2619-31	11.2	183

61	Principal-component analysis of particle motion. <i>Physical Review E</i> , 2015 , 91, 042308	2.4	1
60	Dynamic functional network connectivity using distance correlation 2015 ,		3
59	The accidental degeneracy of the hydrogen atom is no accident. <i>Canadian Journal of Physics</i> , 2015 , 93, 312-317	1.1	3
58	Functional resting state networks characterization through global network measurements for patients with disorders of consciousness 2015 ,		1
57	Prevalence of increases in functional connectivity in visual, somatosensory and language areas in congenital blindness. <i>Frontiers in Neuroanatomy</i> , 2015 , 9, 86	3.6	20
56	Thalamic volume as a biomarker for disorders of consciousness 2015 ,		3
55	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. <i>Lancet, The</i> , 2014 , 384, 514-22	4.0	299
54	Multiple fMRI system-level baseline connectivity is disrupted in patients with consciousness alterations. <i>Cortex</i> , 2014 , 52, 35-46	3.8	134
53	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <i>NeuroImage: Clinical</i> , 2014 , 4, 240-8	5.3	82
52	Lies, damned lies and diagnoses: estimating the clinical utility of assessments of covert awareness in the vegetative state. <i>Brain Injury</i> , 2014 , 28, 1197-201	2.1	29
51	Biased binomial assessment of cross-validated estimation of classification accuracies illustrated in diagnosis predictions. <i>NeuroImage: Clinical</i> , 2014 , 4, 687-94	5.3	92
50	An independent SSVEP-based brain-computer interface in locked-in syndrome. <i>Journal of Neural Engineering</i> , 2014 , 11, 035002	5	77
49	Highlighting the structure-function relationship of the brain with the Ising model and graph theory. <i>BioMed Research International</i> , 2014 , 2014, 237898	3	18
48	A method for functional network connectivity using distance correlation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2793-6	0.9	5
47	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 1028	3.3	19
46	Measuring consciousness in coma and related states. <i>World Journal of Radiology</i> , 2014 , 6, 589-97	2.9	30
45	Technology-based assessment in patients with disorders of consciousness. <i>Annali Dell'istituto Superiore Di Sanita</i> , 2014 , 50, 209-20	1.6	9
44	Consciousness supporting networks. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 239-44	7.6	120

43	Pain Perception in Disorders of Consciousness: Neuroscience, Clinical Care, and Ethics in Dialogue. <i>Neuroethics</i> , 2013 , 6, 37-50	1.2	35
42	Thalamus, brainstem and salience network connectivity changes during propofol-induced sedation and unconsciousness. <i>Brain Connectivity</i> , 2013 , 3, 273-85	2.7	80
41	Probing command following in patients with disorders of consciousness using a brain-computer interface. <i>Clinical Neurophysiology</i> , 2013 , 124, 101-6	4.3	154
40	Changes in effective connectivity by propofol sedation. <i>PLoS ONE</i> , 2013 , 8, e71370	3.7	23
39	Brain connectivity in disorders of consciousness. <i>Brain Connectivity</i> , 2012 , 2, 1-10	2.7	69
38	A role for the default mode network in the bases of disorders of consciousness. <i>Annals of Neurology</i> , 2012 , 72, 335-43	9.4	171
37	Functional Imaging and Impaired Consciousness 2012 , 25-34		4
36	Connectivity graph analysis of the auditory resting state network in tinnitus. <i>Brain Research</i> , 2012 , 1485, 10-21	3.7	142
35	Resting state networks and consciousness: alterations of multiple resting state network connectivity in physiological, pharmacological, and pathological consciousness States. <i>Frontiers in Psychology</i> , 2012 , 3, 295	3.4	171
34	Identifying the default-mode component in spatial IC analyses of patients with disorders of consciousness. <i>Human Brain Mapping</i> , 2012 , 33, 778-96	5.9	103
33	Spectroscopy and Diffusion Tensor Imaging in Disorders of Consciousness 2012 , 45-54		1
32	DTI BASED STRUCTURAL DAMAGE CHARACTERIZATION FOR DISORDERS OF CONSCIOUSNESS. <i>Proceedings International Conference on Image Processing</i> , 2012 , 2012, 1257-1260	1.6	2
31	Auditory resting-state network connectivity in tinnitus: a functional MRI study. <i>PLoS ONE</i> , 2012 , 7, e36222	3.7	145
30	Reduction in inter-hemispheric connectivity in disorders of consciousness. <i>PLoS ONE</i> , 2012 , 7, e37238	3.7	43
29	Resting-state EEG study of comatose patients: a connectivity and frequency analysis to find differences between vegetative and minimally conscious states. <i>Functional Neurology</i> , 2012 , 27, 41-7	2.2	102
28	Two distinct neuronal networks mediate the awareness of environment and of self. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 570-8	3.1	281
27	Hypnotic modulation of resting state fMRI default mode and extrinsic network connectivity. <i>Progress in Brain Research</i> , 2011 , 193, 309-22	2.9	74
26	Multimodal neuroimaging in patients with disorders of consciousness showing "functional hemispherectomy". <i>Progress in Brain Research</i> , 2011 , 193, 323-33	2.9	34

25	Attitudes towards end-of-life issues in disorders of consciousness: a European survey. <i>Journal of Neurology</i> , 2011 , 258, 1058-65	5.5	116
24	Disorders of consciousness: what's in a name?. <i>NeuroRehabilitation</i> , 2011 , 28, 3-14	2	51
23	Post-anoxic vegetative state: imaging and prognostic perspectives. <i>Functional Neurology</i> , 2011 , 26, 45-50.2	4	
22	Resting state activity in patients with disorders of consciousness. <i>Functional Neurology</i> , 2011 , 26, 37-43	2.2	53
21	Neural plasticity lessons from disorders of consciousness. <i>Frontiers in Psychology</i> , 2010 , 1, 245	3.4	10
20	Brain connectivity in pathological and pharmacological coma. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 160	3.5	57
19	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. <i>Brain</i> , 2010 , 133, 161-71	11.2	574
18	Disorders of consciousness: Moving from passive to resting state and active paradigms. <i>Cognitive Neuroscience</i> , 2010 , 1, 193-203	1.7	15
17	Neuroimaging after coma. <i>Neuroradiology</i> , 2010 , 52, 15-24	3.2	45
16	Functional Neuroimaging Approaches to the Changing Borders of Consciousness. <i>Journal of Psychophysiology</i> , 2010 , 24, 68-75	1	5
15	Reaching across the abyss: recent advances in functional magnetic resonance imaging and their potential relevance to disorders of consciousness. <i>Progress in Brain Research</i> , 2009 , 177, 261-74	2.9	36
14	Large time-dependent CP violation in the B_s^0 system and finite $D^0\bar{D}^0$ mass difference in a four generation standard model. <i>Physical Review D</i> , 2007 , 76,	4.9	69
13	Four generation CP violation in $B\text{-}\phi(K^0, \bar{K}^0)$ and hadronic uncertainties. <i>Journal of High Energy Physics</i> , 2006 , 2006, 012-012	5.4	22
12	B^+ and B^0 Direct CP Asymmetries difference in a sequential Forth Generation scenario. <i>Journal of Physics: Conference Series</i> , 2006 , 53, 287-298	0.3	
11	eV seesaw with four generations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 229-233	4.2	3
10	$B\text{-}\rho/\bar{B}^*$ in a supersymmetric right-handed flavor mixing scenario. <i>Physical Review D</i> , 2005 , 71,	4.9	4
9	Baryon number violation involving higher generations. <i>Physical Review D</i> , 2005 , 72,	4.9	20
8	Complete CKM quark mixing via dimensional deconstruction. <i>Nuclear Physics B</i> , 2005 , 712, 325-346	2.8	2

7	Enhanced $KL \rightarrow \pi\pi$ from direct CP violation in $B \rightarrow K\pi$ with four generations. <i>Physical Review D</i> , 2005 , 72,	4.9	41
6	Difference in B^+ and B^0 direct CP asymmetry as an effect of a fourth generation. <i>Physical Review Letters</i> , 2005 , 95, 141601	7.4	79
5	Democratic mass matrices from five dimensions. <i>Physical Review D</i> , 2004 , 69,	4.9	4
4	Phenomenology of a quark mass matrix from six dimensions and its implication for the strong CP problem. <i>Nuclear Physics B</i> , 2004 , 692, 83-109	2.8	7
3	Rare K decays in a model of quark and lepton masses. <i>Physical Review D</i> , 2002 , 65,	4.9	3
2	A new evaluation of the $t \rightarrow \mu H$ decay width in the standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 435, 401-406	4.2	153
1	The emergence of integrated information, complexity, and consciousness at criticality		6