

# Andrea Soddu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/877348/publications.pdf>

Version: 2024-02-01

101  
papers

6,395  
citations

87843

38  
h-index

71651

76  
g-index

105  
all docs

105  
docs citations

105  
times ranked

8079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. <i>Brain</i> , 2010, 133, 161-171.	3.7	723
2	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. <i>Lancet, The</i> , 2014, 384, 514-522.	6.3	433
3	Two Distinct Neuronal Networks Mediate the Awareness of Environment and of Self. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 570-578.	1.1	367
4	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , 2015, 138, 2619-2631.	3.7	290
5	A role for the default mode network in the bases of disorders of consciousness. <i>Annals of Neurology</i> , 2012, 72, 335-343.	2.8	231
6	Resting State Networks and Consciousness. <i>Frontiers in Psychology</i> , 2012, 3, 295.	1.1	226
7	Probing command following in patients with disorders of consciousness using a brain-computer interface. <i>Clinical Neurophysiology</i> , 2013, 124, 101-106.	0.7	217
8	Neural correlates of consciousness in patients who have emerged from a minimally conscious state: a cross-sectional multimodal imaging study. <i>Lancet Neurology, The</i> , 2016, 15, 830-842.	4.9	193
9	Auditory Resting-State Network Connectivity in Tinnitus: A Functional MRI Study. <i>PLoS ONE</i> , 2012, 7, e36222.	1.1	193
10	Connectivity graph analysis of the auditory resting state network in tinnitus. <i>Brain Research</i> , 2012, 1485, 10-21.	1.1	188
11	Multiple fMRI system-level baseline connectivity is disrupted in patients with consciousness alterations. <i>Cortex</i> , 2014, 52, 35-46.	1.1	185
12	Resting-state Network-specific Breakdown of Functional Connectivity during Ketamine Alteration of Consciousness in Volunteers. <i>Anesthesiology</i> , 2016, 125, 873-888.	1.3	168
13	Consciousness supporting networks. <i>Current Opinion in Neurobiology</i> , 2013, 23, 239-244.	2.0	163
14	A new evaluation of the decay width in the standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 435, 401-406.	1.5	162
15	Attitudes towards end-of-life issues in disorders of consciousness: a European survey. <i>Journal of Neurology</i> , 2011, 258, 1058-1065.	1.8	139
16	Identifying the default-mode component in spatial IC analyses of patients with disorders of consciousness. <i>Human Brain Mapping</i> , 2012, 33, 778-796.	1.9	128
17	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <i>NeuroImage: Clinical</i> , 2014, 4, 240-248.	1.4	119
18	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.	1.3	118

#	ARTICLE	IF	CITATIONS
19	Thalamus, Brainstem and Salience Network Connectivity Changes During Propofol-Induced Sedation and Unconsciousness. <i>Brain Connectivity</i> , 2013, 3, 273-285.	0.8	112
20	Biased binomial assessment of cross-validated estimation of classification accuracies illustrated in diagnosis predictions. <i>NeuroImage: Clinical</i> , 2014, 4, 687-694.	1.4	112
21	An independent SSVEP-based brain-computer interface in locked-in syndrome. <i>Journal of Neural Engineering</i> , 2014, 11, 035002.	1.8	99
22	Hypnotic modulation of resting state fMRI default mode and extrinsic network connectivity. <i>Progress in Brain Research</i> , 2011, 193, 309-322.	0.9	93
23	Brain Connectivity in Disorders of Consciousness. <i>Brain Connectivity</i> , 2012, 2, 1-10.	0.8	85
24	Difference in BOLD signal asymmetry as an Effect of a Fourth Generation. <i>Physical Review Letters</i> , 2005, 95, 141601.	2.9	83
25	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , 2016, 221, 2985-2997.	1.2	76
26	Large time-dependent CP violation in the Bs system and finite mass difference in a four generation standard model. <i>Physical Review D</i> , 2007, 76, .	1.6	74
27	Brain Connectivity in Pathological and Pharmacological Coma. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 160.	1.2	69
28	Disorders of consciousness: What's in a name?. <i>NeuroRehabilitation</i> , 2011, 28, 3-14.	0.5	63
29	Resting state activity in patients with disorders of consciousness. <i>Functional Neurology</i> , 2011, 26, 37-43.	1.3	57
30	Neuroimaging after coma. <i>Neuroradiology</i> , 2010, 52, 15-24.	1.1	54
31	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, 225-237.	0.8	49
32	Multifaceted brain networks reconfiguration in disorders of consciousness uncovered by co-activation patterns. <i>Human Brain Mapping</i> , 2018, 39, 89-103.	1.9	49
33	Reduction in Inter-Hemispheric Connectivity in Disorders of Consciousness. <i>PLoS ONE</i> , 2012, 7, e37238.	1.1	48
34	Enhanced KL from direct CP violation in B with four generations. <i>Physical Review D</i> , 2005, 72, .	1.6	45
35	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, 261-274.	0.9	45
36	Multimodal neuroimaging in patients with disorders of consciousness showing functional hemispherectomy. <i>Progress in Brain Research</i> , 2011, 193, 323-333.	0.9	44

#	ARTICLE	IF	CITATIONS
37	Pain Perception in Disorders of Consciousness: Neuroscience, Clinical Care, and Ethics in Dialogue. <i>Neuroethics</i> , 2013, 6, 37-50.	1.7	44
38	Functional Connectivity Substrates for tDCS Response in Minimally Conscious State Patients. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 257.	1.8	42
39	Measuring consciousness in coma and related states. <i>World Journal of Radiology</i> , 2014, 6, 589.	0.5	42
40	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.	1.1	41
41	Correlation between resting state <i>fMRI</i> total neuronal activity and <i>PET</i> metabolism in healthy controls and patients with disorders of consciousness. <i>Brain and Behavior</i> , 2016, 6, e00424.	1.0	40
42	Structural brain injury in patients with disorders of consciousness: A voxel-based morphometry study. <i>Brain Injury</i> , 2016, 30, 343-352.	0.6	36
43	Lies, damned lies and diagnoses: Estimating the clinical utility of assessments of covert awareness in the vegetative state. <i>Brain Injury</i> , 2014, 28, 1197-1201.	0.6	34
44	Baryon number violation involving higher generations. <i>Physical Review D</i> , 2005, 72, .	1.6	30
45	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1028.	1.0	30
46	Prevalence of increases in functional connectivity in visual, somatosensory and language areas in congenital blindness. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 86.	0.9	28
47	Changes in Effective Connectivity by Propofol Sedation. <i>PLoS ONE</i> , 2013, 8, e71370.	1.1	28
48	Highlighting the Structure-Function Relationship of the Brain with the Ising Model and Graph Theory. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	27
49	A method for independent component graph analysis of resting state <i>fMRI</i> . <i>Brain and Behavior</i> , 2017, 7, e00626.	1.0	27
50	Four generation CP violation in $B_s^0$ , $B_c^0$ and hadronic uncertainties. <i>Journal of High Energy Physics</i> , 2006, 2006, 012-012.	1.6	26
51	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.	0.2	26
52	The Emergence of Integrated Information, Complexity, and $\Phi$ Consciousness at Criticality. <i>Entropy</i> , 2020, 22, 339.	1.1	25
53	Disorders of consciousness: Moving from passive to resting state and active paradigms. <i>Cognitive Neuroscience</i> , 2010, 1, 193-203.	0.6	21
54	A Principal Component Analysis of the Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2017, 836, 162.	1.6	21

#	ARTICLE	IF	CITATIONS
55	Tinnitus distress: a paradoxical attention to the sound?. Journal of Neurology, 2019, 266, 2197-2207.	1.8	21
56	Spontaneous low frequency BOLD signal variations from resting-state fMRI are decreased in Alzheimer disease. PLoS ONE, 2017, 12, e0178529.	1.1	19
57	Multimodal Neuroimaging Approach to Variability of Functional Connectivity in Disorders of Consciousness: A PET/MRI Pilot Study. Frontiers in Neurology, 2018, 9, 861.	1.1	19
58	Diagnostic Developments in Differentiating Unresponsive Wakefulness Syndrome and the Minimally Conscious State. Frontiers in Neurology, 2021, 12, 778951.	1.1	19
59	Modeling an auditory stimulated brain under altered states of consciousness using the generalized Ising model. NeuroImage, 2020, 223, 117367.	2.1	18
60	Toward an Attention-Based Diagnostic Tool for Patients With Locked-in Syndrome. Clinical EEG and Neuroscience, 2018, 49, 122-135.	0.9	17
61	Reconfiguration of large-scale functional connectivity in patients with disorders of consciousness. Brain and Behavior, 2020, 10, e1476.	1.0	15
62	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. Brain Connectivity, 2018, 8, 444-455.	0.8	14
63	Organization of the commissural fiber system in congenital and late-onset blindness. NeuroImage: Clinical, 2020, 25, 102133.	1.4	14
64	Consciousness and the Dimensionality of DOC Patients via the Generalized Ising Model. Journal of Clinical Medicine, 2020, 9, 1342.	1.0	14
65	Neuroimaging of Narcolepsy and Primary Hypersomnias. Neuroscientist, 2020, 26, 310-327.	2.6	13
66	Neural plasticity lessons from disorders of consciousness. Frontiers in Psychology, 2011, 1, 245.	1.1	12
67	Technology-based assessment in patients with disorders of consciousness. Annali Dell'Istituto Superiore Di Sanita, 2014, 50, 209-20.	0.2	11
68	Pain Perception in Unresponsive Wakefulness Syndrome May Challenge the Interruption of Artificial Nutrition and Hydration: Neuroethics in Action. Frontiers in Neurology, 2016, 7, 202.	1.1	9
69	Characterization of near death experiences using text mining analyses: A preliminary study. PLoS ONE, 2020, 15, e0227402.	1.1	9
70	Phenomenology of a quark mass matrix from six dimensions and its implication for the strong CP problem. Nuclear Physics B, 2004, 692, 83-109.	0.9	8
71	Time-Delay Latency of Resting-State Blood Oxygen Level-Dependent Signal Related to the Level of Consciousness in Patients with Severe Consciousness Impairment. Brain Connectivity, 2020, 10, 83-94.	0.8	8
72	A method for functional network connectivity using distance correlation. , 2014, 2014, 2793-6.		7

#	ARTICLE	IF	CITATIONS
73	Post-anoxic vegetative state: imaging and prognostic perspectives. <i>Functional Neurology</i> , 2011, 26, 45-50.	1.3	7
74	Democratic mass matrices from five dimensions. <i>Physical Review D</i> , 2004, 69, .	1.6	5
75	A good sleep for a fresh mind in patients with acute traumatic brain injury. <i>Neurology</i> , 2017, 88, 226-227.	1.5	5
76	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.	1.2	5
77	Functional Neuroimaging Approaches to the Changing Borders of Consciousness. <i>Journal of Psychophysiology</i> , 2010, 24, 68-75.	0.3	5
78	Rare K decays in a model of quark and lepton masses. <i>Physical Review D</i> , 2002, 65, .	1.6	4
79	$B^+ \rightarrow J/\psi K^*$ in a supersymmetric right-handed flavor mixing scenario. <i>Physical Review D</i> , 2005, 71, .	1.6	4
80	Functional Imaging and Impaired Consciousness. , 2012, , 25-34.		4
81	Complete CKM quark mixing via dimensional deconstruction. <i>Nuclear Physics B</i> , 2005, 712, 325-346.	0.9	3
82	eV seesaw with four generations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 638, 229-233.	1.5	3
83	Thalamic volume as a biomarker for disorders of consciousness. , 2015, , .		3
84	Dynamic functional network connectivity using distance correlation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
85	The "accidental" degeneracy of the hydrogen atom is no accident. <i>Canadian Journal of Physics</i> , 2015, 93, 312-317.	0.4	3
86	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.	0.6	3
87	DTI based structural damage characterization for Disorders of Consciousness. , 2012, 2012, 1257-1260.		2
88	Functional resting state networks characterization through global network measurements for patients with disorders of consciousness. , 2015, , .		2
89	Principal-component analysis of particle motion. <i>Physical Review E</i> , 2015, 91, 042308.	0.8	2
90	A multiscale method for a robust detection of the default mode network. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1

#	ARTICLE	IF	CITATIONS
91	A graph based characterization of functional resting state networks for patients with disorders of consciousness. , 2015, , .		1
92	Improving EEG-BCI analysis for low certainty subjects by using dictionary learning. , 2015, , .		1
93	Influence of the segmentation on the characterization of cerebral networks of structural damage for patients with disorders of consciousness. , 2015, , .		1
94	Sleep, Coma, Vegetative and Minimally Conscious States. , 2017, , 901-913.		1
95	Training Skills in Minimally Invasive, Robotic and Open Surgery: Brain Activation as an Opportunity for Learning. European Surgical Research, 2020, 61, 34-50.	0.6	1
96	Exploring EEG electroencephalography with a model inspired by quantum mechanics. Scientific Reports, 2021, 11, 19771.	1.6	1
97	B+ and B0 Direct CP Asymmetries difference in a sequential Forth Generation scenario. Journal of Physics: Conference Series, 2006, 53, 287-298.	0.3	0
98	Automatic identification of resting state networks: an extended version of multiple template-matching. Proceedings of SPIE, 2015, , .	0.8	0
99	Reduction of resting state network segregation is linked to disorders of consciousness. Proceedings of SPIE, 2015, , .	0.8	0
100	Multivariate Functional Network Connectivity for Disorders of Consciousness. Lecture Notes in Computer Science, 2017, , 434-442.	1.0	0
101	Hybrid Imaging in Vegetative State. , 2016, , 247-249.		0