

# Andrea Piarulli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9343697/publications.pdf>

Version: 2024-02-01

44  
papers

1,120  
citations

471477

17  
h-index

434170

31  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Breath-Control Can Change Your Life: A Systematic Review on Psycho-Physiological Correlates of Slow Breathing. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 353.	2.0	294
2	EEG ultradian rhythmicity differences in disorders of consciousness during wakefulness. <i>Journal of Neurology</i> , 2016, 263, 1746-1760.	3.6	85
3	Clinical Response to tDCS Depends on Residual Brain Metabolism and Grey Matter Integrity in Patients With Minimally Conscious State. <i>Brain Stimulation</i> , 2015, 8, 1116-1123.	1.6	76
4	How stressful are 105 days of isolation? Sleep EEG patterns and tonic cortisol in healthy volunteers simulating manned flight to Mars. <i>International Journal of Psychophysiology</i> , 2014, 93, 211-219.	1.0	73
5	Functional Structure of Spontaneous Sleep Slow Oscillation Activity in Humans. <i>PLoS ONE</i> , 2009, 4, e7601.	2.5	54
6	Disentangling different functional roles of evoked K-complex components: Mapping the sleeping brain while quenching sensory processing. <i>NeuroImage</i> , 2014, 86, 433-445.	4.2	48
7	Early subclinical increase in pulmonary water content in athletes performing sustained heavy exercise at sea level: ultrasound lung comet-tail evidence. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2161-H2167.	3.2	45
8	Self-organized dynamical complexity in human wakefulness and sleep: Different critical brain-activity feedback for conscious and unconscious states. <i>Physical Review E</i> , 2015, 92, 032808.	2.1	40
9	Ultra-slow mechanical stimulation of olfactory epithelium modulates consciousness by slowing cerebral rhythms in humans. <i>Scientific Reports</i> , 2018, 8, 6581.	3.3	32
10	Mindfulness dispositions and defense style as positive responses to psychological distress in oncology professionals. <i>European Journal of Oncology Nursing</i> , 2019, 40, 104-110.	2.1	32
11	Thalamic contribution to Sleep Slow Oscillation features in humans: A single case cross sectional EEG study in Fatal Familial Insomnia. <i>Sleep Medicine</i> , 2012, 13, 946-952.	1.6	28
12	Spectral Parameters Modulation and Source Localization of Blink-Related Alpha and Low-Beta Oscillations Differentiate Minimally Conscious State from Vegetative State/Unresponsive Wakefulness Syndrome. <i>PLoS ONE</i> , 2014, 9, e93252.	2.5	28
13	Fragments of wake-like activity frame down-states of sleep slow oscillations in humans: New vistas for studying homeostatic processes during sleep. <i>International Journal of Psychophysiology</i> , 2013, 89, 151-157.	1.0	23
14	Metacognitive beliefs relate specifically to sleep quality in primary insomnia: a pilot study. <i>Sleep Medicine</i> , 2014, 15, 918-922.	1.6	23
15	Effect of multichannel transcranial direct current stimulation to reduce hypertonia in individuals with prolonged disorders of consciousness: A randomized controlled pilot study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 418-425.	2.3	22
16	Mind-body relationships in elite apnea divers during breath holding: a study of autonomic responses to acute hypoxemia. <i>Frontiers in Neuroengineering</i> , 2012, 5, 4.	4.8	20
17	Sleep unconsciousness and breakdown of serial critical intermittency: New vistas on the global workspace. <i>Chaos, Solitons and Fractals</i> , 2013, 55, 32-43.	5.1	20
18	Likeness-Based Detection of Sleep Slow Oscillations in Normal and Altered Sleep Conditions: Application on Low-Density EEG Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 363-372.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Scaling and intermittency of brain events as a manifestation of consciousness. , 2013, , .		17
20	A case of post-traumatic minimally conscious state reversed by midazolam: Clinical aspects and neurophysiological correlates. Restorative Neurology and Neuroscience, 2014, 32, 767-787.	0.7	17
21	Sleep slow oscillations favour local cortical plasticity underlying the consolidation of reinforced procedural learning in human sleep. Journal of Sleep Research, 2020, 29, e13117.	3.2	12
22	Innovative approach to interpret the variability of biomarkers after ultra-endurance exercise: the multifactorial analysis. Biomarkers in Medicine, 2014, 8, 881-891.	1.4	11
23	Local Gamma Activity During Non-REM Sleep in the Context of Sensory Evoked K-Complexes. Frontiers in Neuroscience, 2019, 13, 1094.	2.8	11
24	A novel closed-loop EEG-tDCS approach to promote responsiveness of patients in minimally conscious state: A study protocol. Behavioural Brain Research, 2021, 409, 113311.	2.2	11
25	Linking Sleep Slow Oscillation with consciousness theories: new vistas on slow wave Sleep and unconsciousness. Archives Italiennes De Biologie, 2015, 153, 135-43.	0.4	11
26	Interactions between immune, stress-related hormonal and cardiovascular systems following strenuous physical exercise. Archives Italiennes De Biologie, 2013, 151, 126-36.	0.4	11
27	Neural Correlates of Non-ordinary States of Consciousness in Pranayama Practitioners: The Role of Slow Nasal Breathing. Frontiers in Systems Neuroscience, 2022, 16, 803904.	2.5	10
28	Cognitive auditory evoked potentials in coma: can you hear me?. Brain, 2015, 138, 1129-1137.	7.6	7
29	Looking for a precursor of spontaneous Sleep Slow Oscillations in human sleep: The role of the sigma activity. International Journal of Psychophysiology, 2015, 97, 99-107.	1.0	6
30	High-Density EEG in a Charles Bonnet Syndrome Patient during and without Visual Hallucinations: A Case-Report Study. Cells, 2021, 10, 1991.	4.1	5
31	N400-like responses to three-chord harmonic sequences with unexpected out of key endings: scalp topography, cortical sources, and perspectives for a clinical use. Archives Italiennes De Biologie, 2015, 153, 1-18.	0.4	5
32	Comparative study of morphological ECG features classifiers: An application on athletes undergone to acute physical stress. , 2011, , .		4
33	Mapping the functional brain state of a world champion freediver in static dry apnea. Brain Structure and Function, 2021, 226, 2675-2688.	2.3	4
34	The Consciousness State of Traditional Nidra Yoga/Modern Yoga Nidra: Phenomenological Characterization and Preliminary Insights from an EEG Study. International Journal of Yoga Therapy, 2021, 31, .	0.7	4
35	Metacognition selectively defines primary insomnia. Sleep Medicine, 2013, 14, e228.	1.6	3
36	On multiuser perspectives in passive stereographic virtual environments. Computer Animation and Virtual Worlds, 2014, 25, 69-81.	1.2	3

#	ARTICLE	IF	CITATIONS
37	The Effect of Emotional Narrative Virtual Environments on User Experience. Lecture Notes in Computer Science, 2016, , 120-132.	1.3	2
38	Catastrophisation, chronic pain and sexuality: a cross-sectional investigation in fibromyalgia and rheumatoid arthritis. Clinical and Experimental Rheumatology, 2021, 39, 161-169.	0.8	2
39	Adaptive filtering for removing nonstationary physiological noise from resting state fMRI BOLD signals. , 2011, , .		1
40	Brain connectivity is altered by extreme physical exercise during non-REM sleep and wakefulness: indication from eeg and fMRI studies. Archives Italiennes De Biologie, 2017, 154, 103-117.	0.4	1
41	Neural correlates of modified subjective state of consciousness induced by hypnosis using EEG-connectivity approach. Frontiers in Neuroscience, 0, 12, .	2.8	1
42	Extraction and Synchronization of BOLD Spontaneous Oscillations Using Singular Spectrum Analysis. , 2009, , .		0
43	A phased lag index study in patients with disorders of consciousness. , 2016, , .		0
44	Catastrophisation, chronic pain and sexuality: a cross-sectional investigation in fibromyalgia and rheumatoid arthritis. Clinical and Experimental Rheumatology, 2021, 39 Suppl 130, 161-169.	0.8	0