

Marco Laurino

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,004
citations

567281

15
h-index

477307

29
g-index

59
all docs

59
docs citations

59
times ranked

1146
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	How stressful are 105days 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
3	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
4	Comparative Study of the Restorative Effects of Forest and Urban Videos during COVID-19 Lockdown: Intrinsic and Benchmark Values. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8011.	2.6	46
5	A Model Predictive Control Strategy Toward Optimal Structured Treatment Interruptions in Anti-HIV Therapy. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1040-1050.	4.2	44
6	Modelling and control of HIV dynamics. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 89, 162-168.	4.7	40
7	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
8	Recognition of Cutaneous Melanoma on Digitized Histopathological Slides via Artificial Intelligence Algorithm. <i>Frontiers in Oncology</i> , 2020, 10, 1559.	2.8	38
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	A Smart Bed for Non-Obtrusive Sleep Analysis in Real World Context. <i>IEEE Access</i> , 2020, 8, 45664-45673.	4.2	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	Textile-Based Pressure Sensing Matrix for In-Bed Monitoring of Subject Sleeping Posture and Breathing Activity. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2552.	2.5	25
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	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
15	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
16	Artificial Neural Networks for nonlinear regression and classification. , 2010, , .		19
17	Scaling and intermittency of brain events as a manifestation of consciousness. , 2013, , .		17
18	Perspectives on optimal control of varicella and herpes zoster by mass routine varicella vaccination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160054.	2.6	16

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19	Potential markers of healing from near infrared spectroscopy imaging of venous leg ulcer. A randomized controlled clinical trial comparing conventional with hyperbaric oxygen treatment. <i>Wound Repair and Regeneration</i> , 2020, 28, 856-866.	3.0	14
20	Association of the hOCT1/ABCB1 genotype with efficacy and tolerability of imatinib in patients affected by chronic myeloid leukemia. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 79, 767-773.	2.3	12
21	Sleep slow oscillations favour local cortical plasticity underlying the consolidation of reinforced procedural learning in human sleep. <i>Journal of Sleep Research</i> , 2020, 29, e13117.	3.2	12
22	Local Gamma Activity During Non-REM Sleep in the Context of Sensory Evoked K-Complexes. <i>Frontiers in Neuroscience</i> , 2019, 13, 1094.	2.8	11
23	Linking Sleep Slow Oscillation with consciousness theories: new vistas on slow wave Sleep unconsciousness. <i>Archives Italiennes De Biologie</i> , 2015, 153, 135-43.	0.4	11
24	Interactions between immune, stress-related hormonal and cardiovascular systems following strenuous physical exercise. <i>Archives Italiennes De Biologie</i> , 2013, 151, 126-36.	0.4	11
25	Moving Auto-Correlation Window Approach for Heart Rate Estimation in Ballistocardiography Extracted by Mattress-Integrated Accelerometers. <i>Sensors</i> , 2020, 20, 5438.	3.8	9
26	Detection and removal of ocular artifacts from EEG signals for an automated REM sleep analysis. , 2013, 2013, 5079-82.		8
27	Looking for a precursor of spontaneous Sleep Slow Oscillations in human sleep: The role of the sigma activity. <i>International Journal of Psychophysiology</i> , 2015, 97, 99-107.	1.0	6
28	Comparative study of morphological ECG features classifiers: An application on athletes undergone to acute physical stress. , 2011, , .		4
29	Identification and experimental validation of an HIV model for HAART treated patients. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 112, 432-440.	4.7	3
30	A Classification method for eye movements direction during REM sleep trained on wake electro-oculographic recordings. , 2015, 2015, 370-3.		3
31	Psycho-physiological tele-monitoring of human operators in commercial diving: The Life Support System in the SUONO project. , 2015, 2015, 194-7.		3
32	Machine versus man in skin cancer diagnosis. <i>Lancet Oncology</i> , The, 2019, 20, 891-892.	10.7	3
33	Sport in Town: The Smart Healthy ENV Project, a Pilot Study of Physical Activity with Multiparametric Monitoring. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2432.	2.6	3
34	Preliminary Assessment of a Smart Mattress for Position and Breathing Sensing. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 249-255.	0.3	3
35	Exploiting Resistive Matrix Technology to Build a Stretchable Sensorised Sock for Gait Analysis in Daily Life. <i>Sensors</i> , 2022, 22, 1761.	3.8	3
36	Models for optimally controlling varicella and herpes zoster by varicella vaccination: a comparative study. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1121-1132.	2.8	2

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37	Healthy aging: the INTECMAN project. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2011-2015.	2.9	2
38	Attention-Dependent Physiological Correlates in Sleep-Deprived Young Healthy Humans. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2021, 11, 22.	2.1	2
39	The PERFORM Mask: A Psychophysiological sEnsoRs Mask FOr Real-Life Cognitive Monitoring. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 86-93.	0.3	2
40	Cardiovascular and respiratory effects of the neoprene wetsuit in non-immersed divers. <i>Undersea and Hyperbaric Medicine</i> , 2017, 44, 141-147.	0.3	2
41	A Systematic Review on the Role of Substance Consumption in Work-Related Road Traffic Crashes Reveals the Importance of Biopsychosocial Factors in Prevention. <i>Behavioral Sciences (Basel)</i> , 2021, 11, 22.	0.784314	10
42	Adaptive filtering for removing nonstationary physiological noise from resting state fMRI BOLD signals. , 2011, , .		1
43	Physiological Cybernetics: An Old-Novel Approach for Students in Biomedical Systems. , 0, , .		1
44	Combining pharmacological therapy and vaccination in Chronic Myeloid Leukemia via model predictive control. , 2013, 2013, 3925-8.		1
45	Procoagulant control strategies for the human blood clotting process. , 2015, 2015, 4439-42.		1
46	Brain connectivity is altered by extreme physical exercise during non-REM sleep and wakefulness: indication from eeg and fMRI studies. <i>Archives Italiennes De Biologie</i> , 2017, 154, 103-117.	0.4	1
47	A SmartBed for Non-obtrusive Physiological Monitoring During Sleep: The LAID Project. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 153-162.	0.3	1
48	Extraction and Synchronization of BOLD Spontaneous Oscillations Using Singular Spectrum Analysis. , 2009, , .		0
49	On the use of Nonlinear Model Predictive Control for pharmacological therapy optimization. , 2010, , .		0
50	Sleep unconsciousness and the fragmentation of the global workspace. <i>International Journal of Psychophysiology</i> , 2012, 85, 332-333.	1.0	0
51	Parameters identification of HIV dynamic models for HAART treated patients: A comparative study. , 2014, , .		0
52	Pattern recognition with adaptive-thresholds for sleep spindle in high density EEG signals. , 2015, 2015, 594-7.		0
53	Persistently Elevated Heart Rate Alters EEG Patterns and Locomotor Behavior in Mice. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
54	Combined Famd and ANOVA Investigation Leads to Significant Association Between the hOCT1/ABCB1 DiploTYPE and Both Efficacy and Tolerability in Patients Affected By Chronic Myeloid Leukemia. <i>Blood</i> , 2015, 126, 4838-4838.	1.4	0

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55	SAT-393 Cognitive Function Evaluation in an Italian Cohort of Patients with Post-Operative Hypoparathyroidism. Journal of the Endocrine Society, 2020, 4, .	0.2	0