Mario Lavanga

List of Publications by Year
in descending order

13 papers	257 citations	1307594 7 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	330 citing authors

#	Article	IF	Citations
1	Measurement of Neurovascular Coupling in Neonates. Frontiers in Physiology, 2019, 10, 65.	2.8	61
2	Complexity Analysis of Neonatal EEG Using Multiscale Entropy: Applications in Brain Maturation and Sleep Stage Classification. Entropy, 2017, 19, 516.	2.2	52
3	Quiet sleep detection in preterm infants using deep convolutional neural networks. Journal of Neural Engineering, 2018, 15, 066006.	3.5	47
4	Prediction of Neurodevelopment in Infants With Tuberous Sclerosis Complex Using Early EEG Characteristics. Frontiers in Neurology, 2020, 11, 582891.	2.4	19
5	A brain-age model for preterm infants based on functional connectivity. Physiological Measurement, 2018, 39, 044006.	2.1	17
6	The effect of early procedural pain in preterm infants on the maturation of electroencephalogram and heart rate variability. Pain, 2021, 162, 1556-1566.	4.2	10
7	Monitoring Effective Connectivity in the Preterm Brain: A Graph Approach to Study Maturation. Complexity, 2017, 2017, 1-13.	1.6	8
8	Decomposition of a Multiscale Entropy Tensor for Sleep Stage Identification in Preterm Infants. Entropy, 2019, 21, 936.	2.2	8
9	A Bradycardia-Based Stress Calculator for the Neonatal Intensive Care Unit: A Multisystem Approach. Frontiers in Physiology, 2020, 11, 741.	2.8	7
10	Results of quantitative EEG analysis are associated with autism spectrum disorder and development abnormalities in infants with tuberous sclerosis complex. Biomedical Signal Processing and Control, 2021, 68, 102658.	5.7	7
11	Maturation of the Autonomic Nervous System in Premature Infants: Estimating Development Based on Heart-Rate Variability Analysis. Frontiers in Physiology, 2020, 11, 581250.	2.8	7
12	The possible role of the vagal nervous system in the recovery of the blood pressure control after cardiac arrest: a porcine model study. Physiological Measurement, 2017, 38, 63-76.	2.1	4
13	A perinatal stress calculator for the neonatal intensive care unit: an unobtrusive approach. Physiological Measurement, 2020, 41, 075012.	2.1	3