Chiara Filippini

List of Publications by Year
in descending order

26	520	566801	676716
26	**520**	**15**	**22**
papers	citations	h-index	g-index

26	26	26	352
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Infrared Imaging-Based Affective Computing and Its Application to Facilitate Human Robot Interaction: A Review. Applied Sciences (Switzerland), 2020, 10, 2924.	1.3	72
2	An Overview of Thermal Infrared Imaging-Based Screenings during Pandemic Emergencies. International Journal of Environmental Research and Public Health, 2021, 18, 3286.	1.2	45
3	Driver Stress State Evaluation by Means of Thermal Imaging: A Supervised Machine Learning Approach Based on ECG Signal. Applied Sciences (Switzerland), 2020, 10, 5673.	1.3	44
4	Complexity of Frontal Cortex fNIRS Can Support Alzheimer Disease Diagnosis in Memory and Visuo-Spatial Tests. Entropy, 2019, 21, 26.	1.1	33
5	Working Memory Decline in Alzheimer's Disease Is Detected by Complexity Analysis of Multimodal EEG-fNIRS. Entropy, 2020, 22, 1380.	1.1	28
6	Differential pathlength factor in continuous wave functional near-infrared spectroscopy: reducing hemoglobin's cross talk in high-density recordings. Neurophotonics, 2019, 6, 1.	1.7	28
7	Data-driven assessment of cardiovascular ageing through multisite photoplethysmography and electrocardiography. Medical Engineering and Physics, 2019, 73, 39-50.	0.8	23
8	Evidence of Neurovascular Un-Coupling in Mild Alzheimer's Disease through Multimodal EEG-fNIRS and Multivariate Analysis of Resting-State Data. Biomedicines, 2021, 9, 337.	1.4	22
9	Automated Affective Computing Based on Bio-Signals Analysis and Deep Learning Approach. Sensors, 2022, 22, 1789.	2.1	22
10	Modelling Impulse Response Function of Functional Infrared Imaging for General Linear Model Analysis of Autonomic Activity. Sensors, 2019, 19, 849.	2.1	21
11	Prediction of state anxiety by machine learning applied to photoplethysmography data. PeerJ, 2021, 9, e10448.	0.9	21
12	Convolutional Neural Networks for Differential Diagnosis of Raynaud's Phenomenon Based on Hands Thermal Patterns. Applied Sciences (Switzerland), 2021, 11, 3614.	1.3	20
13	Autonomic impairment in Alzheimer's disease is revealed by complexity analysis of functional thermal imaging signals during cognitive tasks. Physiological Measurement, 2019, 40, 034002.	1.2	18
14	Facilitating the Child–Robot Interaction by Endowing the Robot with the Capability of Understanding the Child Engagement: The Case of Mio Amico Robot. International Journal of Social Robotics, 2021, 13, 677-689.	3.1	18
15	A Motion Artifact Correction Procedure for fNIRS Signals Based on Wavelet Transform and Infrared Thermography Video Tracking. Sensors, 2021, 21, 5117.	2.1	18
16	Improving Human–Robot Interaction by Enhancing NAO Robot Awareness of Human Facial Expression. Sensors, 2021, 21, 6438.	2.1	18
17	Regions of interest selection and thermal imaging data analysis in sports and exercise science: a narrative review. Physiological Measurement, 2021, 42, 08TR01.	1.2	17
18	Automated warping procedure for facial thermal imaging based on features identification in the visible domain. Infrared Physics and Technology, 2021, 112, 103595.	1.3	14

#	Article	IF	Citations
19	Estimation of Heart Rate Variability Parameters by Machine Learning Approaches Applied to Facial Infrared Thermal Imaging. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	14
20	The Prediction of Running Velocity during the 30â€"15 Intermittent Fitness Test Using Accelerometry-Derived Metrics and Physiological Parameters: A Machine Learning Approach. International Journal of Environmental Research and Public Health, 2021, 18, 10854.	1.2	6
21	Is It Possible to Estimate Average Heart Rate from Facial Thermal Imaging?. Engineering Proceedings, 2021, 8, .	0.4	6
22	Can Functional Infrared Thermal Imaging Estimate Mental Workload in Drivers as Evaluated by Sample Entropy of the fNIRS Signal?. IFMBE Proceedings, 2021, , 223-232.	0.2	5
23	Central and Peripheral Thermal Signatures of Brain-Derived Fatigue during Unilateral Resistance Exercise: A Preliminary Study. Biology, 2022, 11, 322.	1.3	4
24	Assessment of autonomic response in 6â€"12-month-old babies during the interaction with robot and avatar by means of thermal infrared imaging. Quantitative InfraRed Thermography Journal, 2023, 20, 78-91.	2.1	2
25	Designing a Compressive Sensing Demonstrator of an Earth Observation Payload in the Visible and Medium Infrared: Instrumental Concept and Main Features. Engineering Proceedings, 2021, 8, .	0.4	1
26	Convolutional neural network model for Augmentation Index prediction based on photoplethysmography. , 2021, , .		0