Joana S Paiva

List of Publications by Year
in descending order

27 papers	290 citations	1039880 9 h-index	940416 16 g-index
28 all docs	28 docs citations	28 times ranked	449 citing authors

#	Article	IF	Citations
1	Optical fiber tips for biological applications: From light confinement, biosensing to bioparticles manipulation. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1209-1246.	1.1	39
2	Beat-ID: Towards a computationally low-cost single heartbeat biometric identity check system based on electrocardiogram wave morphology. PLoS ONE, 2017, 12, e0180942.	1.1	32
3	Supervised learning methods for pathological arterial pulse wave differentiation: A SVM and neural networks approach. International Journal of Medical Informatics, 2018, 109, 30-38.	1.6	31
4	Cognitive Impact and Psychophysiological Effects of Stress Using a Biomonitoring Platform. International Journal of Environmental Research and Public Health, 2018, 15, 1080.	1.2	29
5	Wearable Biomonitoring Platform for the Assessment of Stress and its Impact on Cognitive Performance of Firefighters: An Experimental Study. Clinical Practice and Epidemiology in Mental Health, 2018, 14, 250-262.	0.6	27
6	Stress among on-duty firefighters: an ambulatory assessment study. PeerJ, 2018, 6, e5967.	0.9	19
7	An automatic method for arterial pulse waveform recognition using KNN and SVM classifiers. Medical and Biological Engineering and Computing, 2016, 54, 1049-1059.	1.6	18
8	Single Particle Differentiation through 2D Optical Fiber Trapping and Back-Scattered Signal Statistical Analysis: An Exploratory Approach. Sensors, 2018, 18, 710.	2.1	16
9	Spontaneous Fluctuations in Sensory Processing Predict Within-Subject Reaction Time Variability. Frontiers in Human Neuroscience, 2016, 10, 200.	1.0	11
10	Changes in ST, QT and RR ECG intervals during acute stress in firefighters: A pilot study. , 2016, 2016, 3378-3381.		11
11	Fabrication of Multimode-Single Mode Polymer Fiber Tweezers for Single Cell Trapping and Identification with Improved Performance. Sensors, 2018, 18, 2746.	2.1	11
12	Psychophysiological Stress Assessment Among On-Duty Firefighters. , 2018, 2018, 4335-4338.		9
13	Optical fiber-based sensing method for nanoparticle detection through supervised back-scattering analysis: a potential contributor for biomedicine . International Journal of Nanomedicine, 2019, Volume 14, 2349-2369.	3.3	8
14	iLoF: An intelligent Lab on Fiber Approach for Human Cancer Single-Cell Type Identification. Scientific Reports, 2020, 10, 3171.	1.6	8
15	Forecasting COVID-19 Severity by Intelligent Optical Fingerprinting of Blood Samples. Diagnostics, 2021, 11, 1309.	1.3	5
16	2D Computational Modeling of Optical Trapping Effects on Malaria-infected Red Blood Cells. , 2017, , .		3
17	A Wearable System for the Stress Monitoring of Air Traffic Controllers During An Air Traffic Control Refresher Training and the Trier Social Stress Test: A Comparative Study. Open Bioinformatics Journal, 2018, 11, 106-116.	1.0	3
18	Classification of optically trapped particles: A comparison between optical fiber tweezers and conventional setups. Results in Optics, 2021, , 100178.	0.9	3

#	Article	IF	Citations
19	Regression approach for automatic detection of attention lapses. , 2016, , .		1
20	Computational modeling of red blood cells trapping using Optical Fiber Tweezers. , 2017, , .		1
21	Beat-to-beat ECG features for time resolution improvements in stress detection. , 2017, , .		1
22	Improved Fabrication of Polymeric Optical Fiber Tweezers for Single Cell Detection. , 2018, , .		1
23	Towards a Single Parameter Sensing for Bacteria Sorting through Optical Fiber Trapping and Back-Scattered Signal Analysis. , 2018, , .		1
24	The proâ€proliferative effect of insulin in human breast epithelial DMBA â€transformed and nonâ€transformed cell lines is PI3K â€, mTOR â€•and GLUT1 â€dependent. Cell Biochemistry and Function, 2022, , 1.4 .		1
25	Acute Psychophysiological Responses To Laboratory-Induced Stress In Different Groups: An Exploratory Study. , 0, , .		0
26	Optical fiber-based sensing method for nanoparticles detection through back-scattering signal analysis. , 2019, , .		0
27	A novel method for scatterers type enumeration in polydisperse suspensions through fiber trapping and unsupervised scattering analysis. , 2019, , .		0