Nathalia Peixoto

List of Publications by Year
in descending order

35 papers	895 citations	516215 16 h-index	552369 26 g-index
35 all docs	35 docs citations	35 times ranked	1444 citing authors

#	Article	IF	Citations
1	When triggers become tigers: taming the autonomic nervous system via sensory support system modulation. Journal of Social Work Practice in the Addictions, 2021, 21, 382-395.	0.4	1
2	Intelligent Multi-Electrode Arrays as the Next Generation of Electrochemical Biosensors for Real-Time Analysis of Neurotransmitters. , 2018, , .		4
3	Zebrafish larvae heartbeat detection from body deformation in low resolution and low frequency video. Medical and Biological Engineering and Computing, 2018, 56, 2353-2365.	1.6	7
4	Attenuated Glial Reactivity on Topographically Functionalized Poly(3,4â€ethylenedioxythiophene):Pâ€Toluene Sulfonate (PEDOT:PTS) Neuroelectrodes Fabricated by Microimprint Lithography. Small, 2018, 14, e1800863.	5.2	29
5	Ge-Doped ${eta }$ -Ga2O3 MOSFETs. IEEE Electron Device Letters, 2017, 38, 775-778.	2.2	165
6	High pulsed current density β-Ga2O3 MOSFETs verified by an analytical model corrected for interface charge. Applied Physics Letters, 2017, 110, .	1.5	75
7	Electrochemical Characterization of Vitreous Humor. Procedia Technology, 2017, 27, 301-303.	1.1	1
8	Time-dependent Increase in the Network Response to the Stimulation of Neuronal Cell Cultures on Micro-electrode Arrays. Journal of Visualized Experiments, 2017, , .	0.2	3
9	In vivo Characterization of Amorphous Silicon Carbide As a Biomaterial for Chronic Neural Interfaces. Frontiers in Neuroscience, 2016, 10, 301.	1.4	36
10	Chronic intracortical neural recordings using microelectrode arrays coated with PEDOTâ€"TFB. Acta Biomaterialia, 2016, 32, 57-67.	4.1	54
11	Amyloid beta modulation of neuronal network activity in vitro. Brain Research, 2015, 1629, 1-9.	1.1	31
12	Time-Dependent Increase in Network Response to Stimulation. PLoS ONE, 2015, 10, e0142399.	1.1	8
13	Reconstructing neural dynamics using data assimilation with multiple models. Europhysics Letters, 2014, 107, 68005.	0.7	16
14	Project ownership and student performance in user-centered senior design projects. , 2014, , .		0
15	Dynamic steering of in vitro cortical neurons using field stimulation. , 2014, 2014, 6577-80.		0
16	Use of cortical neuronal networks for in vitro material biocompatibility testing. Biosensors and Bioelectronics, 2014, 53, 316-323.	5.3	31
17	Improving the performance of poly(3,4-ethylenedioxythiophene) for brainâ€"machine interface applications. Acta Biomaterialia, 2014, 10, 2446-2454.	4.1	63
18	Lifetime assessment of atomic-layer-deposited Al2O3â€"Parylene C bilayer coating for neural interfaces using accelerated age testing and electrochemical characterization. Acta Biomaterialia, 2014, 10, 960-967.	4.1	80

#	Article	IF	Citations
19	Voice controlled wheelchairs: Fine control by humming. Computer Methods and Programs in Biomedicine, 2013, 112, 156-165.	2.6	24
20	Differential responses to Ï‰-agatoxin IVA in murine frontal cortex and spinal cord derived neuronal networks. NeuroToxicology, 2013, 37, 19-25.	1.4	13
21	Real-time tracking of neuronal network structure using data assimilation. Physical Review E, 2013, 88, 052715.	0.8	49
22	Dielectrophoretic trapping of P19 cells on indium tin oxide based microelectrode arrays. , 2013, , .		1
23	Exploring Slope with Stairs & Steps. Mathematics Teaching in the Middle School, 2013, 18, 370-377.	0.2	4
24	Detecting connectivity changes in neuronal networks. Journal of Neuroscience Methods, 2012, 209, 388-397.	1.3	26
25	A portable wireless biometric multi-channel system. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1587-1598.	2.5	40
26	Upper bound on false alarm rate for landmine detection and classification using syntactic pattern recognition. , 2010, , .		1
27	Preprocessing of GPR data for syntactic landmine detection and classification. Proceedings of SPIE, 2010, , .	0.8	1
28	Dynamically Programmable Electronic Pill Dispenser System. Journal of Medical Systems, 2010, 34, 357-366.	2.2	11
29	Seizure entrainment with polarizing low-frequency electric fields in a chronic animal epilepsy model. Journal of Neural Engineering, 2009, 6, 046009.	1.8	23
30	Electrochemical characterization of multi-walled carbon nanotube coated electrodes for biological applications. Carbon, 2009, 47, 884-893.	5.4	52
31	Syntactic landmine detection and classification. Proceedings of SPIE, 2009, , .	0.8	2
32	Voice Recognition Algorithm for Portable Assistive Devices. , 2007, , .		5
33	Fractal Brownian motion for feature extraction in noisy signals from gas sensors. , 2007, , .		0
34	Improved sleepâ€"wake and behavior discrimination using MEMS accelerometers. Journal of Neuroscience Methods, 2007, 163, 373-383.	1.3	35
35	Implantable Electrodes with Carbon Nanotube Coatings. , 0, , .		4