Reza Fazel-Rezai

List of Publications by Year
in descending order

		759233	794594
39 papers	**964** citations	**12** h-index	**19** g-index
39 all docs	**39** docs citations	**39** times ranked	**1253** citing authors

#	Article	IF	Citations
1	The effects of explosion sound on the brain based on electroencephalogram signals. International Journal of Environmental Health Research, 2020, 30, 475-491.	2.7	1
2	Antenna Effects on Respiratory Rate Measurement Using a UWB Radar System. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 87-93.	3.4	12
3	Hybrid Brain-Computer Interface Systems: Approaches, Features, and Trends. , 2018, , .		2
4	Skeletal Muscle Pump Drives Control of Cardiovascular and Postural Systems. Scientific Reports, 2017, 7, 45301.	3.3	42
5	Significant role of the cardiopostural interaction in blood pressure regulation during standing. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H568-H577.	3.2	21
6	A Novel EEG Based Spectral Analysis of Persistent Brain Function Alteration in Athletes with Concussion History. Scientific Reports, 2017, 7, 17221.	3.3	39
7	Automatic clustering-based segmentation and plaque localization in psoriasis digital images. , 2017, , .		3
8	Vertical ground reaction force marker for Parkinsonâ€™s disease. PLoS ONE, 2017, 12, e0175951.	2.5	81
9	Causal Cardio-Postural Interaction Under Orthostatic Stress1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	2
10	Toward Hand Arthritis Diagnostics Using Smart Phones: Camera Distortion Effect Correction1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	1
11	Fusion of Electrocardiogram and Accelerocardiogram Derived Respiration Methods for Estimation of Respiratory Phases. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	2
12	Stretching effect on textile antenna for spacesuit. , 2016, , .		1
13	Detection and classification of acne lesions in acne patients: A mobile application. , 2016, , .		43
14	Contusion (bruise) segmentation & diagnosis: A graphical user interphase approach. , 2016, , .		0
15	A review of methods and applications of brain computer interface systems. , 2016, , .		14
16	Computer-assisted image processing technique for tracking wound progress. , 2016, , .		3
17	Tremor quantification of Parkinson's disease - a pilot study. , 2016, , .		19
18	Aviation navigation feedback device. , 2016, , .		0

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19	Neurocognitive deficits observed on high school football players with history of concussion: A preliminary study. , 2016, , .		1
20	Continuous Balance Assessment of Autonomic Nervous System Using Time-Varying Analysis of Heart Rate Variability1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	2
21	University of North Dakota Wireless Aeronautical Body Network1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.7	1
22	Preliminary Results for Estimating Pulse Transit Time Using Seismocardiogram1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.7	13
23	Performance Evaluation of Heartbeat Classification Methods Based on Morphological Descriptors1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.7	0
24	Evaluation of SAR for integrated EBG textile monopole antenna for space health monitoring application. , 2015, , .		2
25	EBG integrated textile monopole antenna for space health monitoring application. , 2015, , .		1
26	Flexible antenna for Wireless Body Area Network. , 2015, , .		7
27	Wearable antenna design for spacesuit. , 2015, , .		0
28	Heart Signal Abnormality Detection Using Artificial Neural Networks1. Journal of Medical Devices, Transactions of the ASME, 2014, 8, .	0.7	1
29	Optimizing dynamical similarity index extraction window for seizure detection. , 2014, 2014, 2225-8.		0
30	Seizure prediction using adaptive neuro-fuzzy inference system. , 2013, 2013, 2100-3.		9
31	A Review of Hybrid Brain-Computer Interface Systems. Advances in Human-Computer Interaction, 2013, 2013, 1-8.	2.8	161
32	Mental workload and task engagement evaluation based on changes in electroencephalogram. Biomedical Engineering Letters, 2012, 2, 139-146.	4.1	15
33	P300 brain computer interface: current challenges and emerging trends. Frontiers in Neuroengineering, 2012, 5, 14.	4.8	278
34	Reducing human error in P300 speller paradigm for brain-computer interface. , 2012, 2012, 2869-72.		12
35	A Fuzzy Logic System for Seizure Onset Detection in Intracranial EEG. Computational Intelligence and Neuroscience, 2012, 2012, 1-12.	1.7	55
36	A Heart Monitoring System for a Mobile Device. International Journal of Handheld Computing Research, 2012, 3, 22-39.	0.4	3

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37	A Comparison among Several P300 Brain-Computer Interface Speller Paradigms. Clinical EEG and Neuroscience, 2011, 42, 209-213.	1.7	15
38	A region-based P300 speller for brain-computer interface. Canadian Journal of Electrical and Computer Engineering, 2009, 34, 81-85.	2.0	82
39	Application of P300 Event-Related Potential in Brain-Computer Interface. , 0, , .		20