

Alexander Meigal

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

582
citations

840585

11
h-index

752573

20
g-index

36
all docs

36
docs citations

36
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel parameters of surface EMG in patients with Parkinson's disease and healthy young and old controls. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, e206-e213.	0.7	103
2	Surface EMG and acceleration signals in Parkinson's disease: feature extraction and cluster analysis. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 849-858.	1.6	78
3	Linear and nonlinear tremor acceleration characteristics in patients with Parkinson's disease. <i>Physiological Measurement</i> , 2012, 33, 395-412.	1.2	54
4	EMG signal morphology and kinematic parameters in essential tremor and Parkinson's disease patients. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 300-306.	0.7	44
5	Non-Linear EMG Parameters for Differential and Early Diagnostics of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2013, 4, 135.	1.1	41
6	Gross and fine neuromuscular performance at cold shivering. <i>International Journal of Circumpolar Health</i> , 2002, 61, 163-172.	0.5	36
7	Influence of cold shivering on fine motor control in the upper limb. <i>Acta Physiologica Scandinavica</i> , 1998, 163, 41-47.	2.3	31
8	Analysis of Dynamic Voluntary Muscle Contractions in Parkinson's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2280-2288.	2.5	28
9	Synergistic action of gravity and temperature on the motor system within the lifespan: A "Baby Astronaut" hypothesis. <i>Medical Hypotheses</i> , 2013, 80, 275-283.	0.8	14
10	Electromyographic evaluation of countermeasures during the terrestrial simulation of interplanetary spaceflight in Mars500 project. <i>Pathophysiology</i> , 2016, 23, 11-18.	1.0	14
11	Head and body positions affect thermoregulatory tonus in deltoid muscles. <i>Journal of Applied Physiology</i> , 1996, 80, 1397-1400.	1.2	13
12	Towards a personal at-home lab for motion video tracking in patients with Parkinson's disease. , 2017, , .		12
13	Influence of cold and hot conditions on postactivation in human skeletal muscles. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 432, 121-125.	1.3	11
14	"Thermoregulation-dependent component" in pathophysiology of motor disorders in Parkinson's disease?. <i>Pathophysiology</i> , 2005, 11, 187-196.	1.0	10
15	Multi-Source Data Sensing in Mobile Personalized Healthcare Systems: Semantic Linking and Data Mining. , 2019, , .		10
16	Interplanetary space flight compared with fetal/neonatal motor strategy: Theoretical and practical implications. <i>Pathophysiology</i> , 2012, 19, 269-276.	1.0	8
17	EMG signal morphology in essential tremor and Parkinson's disease. , 2013, 2013, 5765-8.		7
18	Analysis of Human Gait Based on Smartphone Inertial Measurement Unit: A Feasibility Study. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Autonomic Function in Parkinson's Disease Subjects Across Repeated Short-Term Dry Immersion: Evidence From Linear and Non-linear HRV Parameters. <i>Frontiers in Physiology</i> , 2021, 12, 712365.	1.3	7
20	On mobile personalized healthcare services for human involvement into prevention, therapy, mutual support, and social rehabilitation. , 2017, , .		6
21	Designing a Mobile Recommender System for Treatment Adherence Improvement among Hypertensives. , 2018, , .		6
22	Nonlinear parameters of surface EMG in schizophrenia patients depend on kind of antipsychotic therapy. <i>Frontiers in Physiology</i> , 2015, 6, 197.	1.3	5
23	Evidence of Autonomic Dysfunction in Patients with Relapsing-Remitting Multiple Sclerosis: Heart Rate Variability and Cardiovascular Parameters. <i>Pathophysiology</i> , 2021, 28, 10-19.	1.0	5
24	Discrimination of EMG and acceleration measurements between patients with Parkinson's disease and healthy persons. , 2010, 2010, 4878-81.		4
25	Association of polymorphic variants of ACE and BDKRB2 with heart rate variability in athletes of the Republic of Karelia. <i>Bulletin of Russian State Medical University</i> , 2017, , 45-52.	0.3	4
26	Towards a mobile system for hypertensive outpatients' treatment adherence improvement. , 2017, , .		3
27	Analysis of dynamic EMG and acceleration measurements in Parkinson's disease. , 2008, 2008, 5053-6.		2
28	Mobile health service is promising to detect the blood pressure and HRV fluctuations across the menstrual and the lunar cycle. , 2016, , .		2
29	Hand skin temperature: A usability for health care services. , 2016, , .		2
30	Ambient Assisted Living At-Home Laboratory for Motor Status Diagnostics in Parkinson's Disease Patients and Aged People. , 2022, , 836-862.		2
31	Surface EMG parameters in schizophrenia patients. , 2014, 2014, 3260-3.		1
32	Ambient Intelligence Based Vision to At-Home Laboratory for Personalized Monitoring and Assessment of Motion-Cognitive State in Elderly. , 2018, , .		1
33	Ambient Assisted Living At-Home Laboratory for Motor Status Diagnostics in Parkinson's Disease Patients and Aged People. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2020, , 176-201.	0.2	1
34	Towards the Development of Smart Spaces-Based Socio-Cyber-Medicine Systems. , 2020, , 395-416.		0