Yashar Sarbaz

List of Publications by Year
in descending order

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30 papers	284 citations	1040056 9 h-index	940533 16 g-index
32 all docs	32 docs citations	32 times ranked	247 citing authors

#	Article	IF	Citations
1	Automatic classification of schizophrenia patients using resting-state EEG signals. Physical and Engineering Sciences in Medicine, 2021, 44, 855-870.	2.4	16
2	Optical plasmonic star-shaped nanoprobes for intracellular sensing and imaging. Optical and Quantum Electronics, 2021, 53, 1.	3.3	2
3	How perception of time differs under different situations: Different behaviors of the central nervous system as a complex dynamic system. Psychiatry and Clinical Neurosciences, 2020, 74, 86-87.	1.8	0
4	The effect of yoga practice on muscular strength improvement in patients with multiple sclerosis. International Journal of Therapy and Rehabilitation, 2020, 27, 1-10.	0.3	1
5	Exploring the nature of Parkinsonian rest tremor and the effects of common treatments on it: Stochastic process or chaotic behavior?. Biomedical Signal Processing and Control, 2020, 61, 102040.	5.7	1
6	PRESENTING A NEW DECISION SUPPORT SYSTEM FOR SCREENING PARKINSONâ€™S DISEASE PATIENTS USING SYMLET WAVELET. Biomedical Engineering - Applications, Basis and Communications, 2019, 31, 1950026.	0.6	0
7	A new theory based on possible existence of timing control by intracellular photons in tonically active neurons. Medical Hypotheses, 2019, 129, 109248.	1.5	0
8	Effects of Counting the Stride Numbers as A Secondary Task on Gait in People with Parkinsonâ€™s Disease: An Idea About the Cause of Dual Task Interference During Gait and A New Hope for Early Diagnosis. Basic and Clinical Neuroscience, 2019, 10, 269-279.	0.6	1
9	INTRODUCING A DECISION SUPPORT SYSTEM FOR MULTIPLE SCLEROSIS BASED ON POSTURAL TREMOR: A HOPE FOR SEPARATION OF PEOPLE WHO MIGHT BE AFFECTED BY MULTIPLE SCLEROSIS IN THE FUTURE. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750046.	0.6	5
10	Future of the Renal Biopsy: Time to Change the Conventional Modality Using Nanotechnology. International Journal of Biomedical Imaging, 2017, 2017, 1-14.	3.9	14
11	Power Spectral Density Analysis of Purkinje Cell Tonic and Burst Firing Patterns From a Rat Model of Ataxia and Riluzole Treated. Basic and Clinical Neuroscience, 2017, 8, 61-68.	0.6	4
12	A Grey Box Neural Network Model of Basal Ganglia for Gait Signal of Patients with Huntington Disease. Basic and Clinical Neuroscience, 2016, 7, 107-14.	0.6	2
13	NUMBER OF SPIKES: A PROPER METRIC FOR PARALLEL FIBER PATTERNS RECOGNITION BY A PURKINJE CELL. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650033.	0.6	0
14	A review of presented mathematical models in Parkinsonâ€™s disease: black- and gray-box models. Medical and Biological Engineering and Computing, 2016, 54, 855-868.	2.8	25
15	Contribution of Somatic and Dendritic SK Channels in the Firing Rate of Deep Cerebellar Nuclei: Implication in Cerebellar Ataxia. Basic and Clinical Neuroscience, 2016, 7, 57-61.	0.6	3
16	Proper Features Extraction from the Multiple Sclerosis Disease Postural Disorders for Decision Support System Definition. Applied Mechanics and Materials, 2014, 666, 230-234.	0.2	4
17	Analysis Spectrum of Normal and Ataxia Purkinje Cell Output and Classification Using Artificial Neural Network. Journal of Neuropsychiatry and Clinical Neurosciences, 2014, 26, E14-E14.	1.8	1
18	SPECTRAL ANALYSIS OF GAIT DISORDERS IN HUNTINGTON'S DISEASE: A NEW HORIZON TO EARLY DIAGNOSIS. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450001.	0.7	6

#	Article	IF	Citations
19	Introducing treatment strategy for cerebellar ataxia in mutant med mice: Combination of acetazolamide and 4-Aminopyridine. Computer Methods and Programs in Biomedicine, 2014, 113, 697-704.	4.7	5
20	Classification of normal and abnormal lung sounds using neural network and support vector machines. , 2013, , .		22
21	A Novel Clinical Gait Test Protocol for Separating Parkinsonian Patients from Normal Persons in Early Disease Stages. Journal of Medical Imaging and Health Informatics, 2013, 3, 7-11.	0.3	1
22	SEPARATING PARKINSONIAN PATIENTS FROM NORMAL PERSONS USING HANDWRITING FEATURES. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350030.	0.7	9
23	Pathophysiology of freezing of gait and some possible treatments for it. Medical Hypotheses, 2012, 78, 258-261.	1.5	7
24	Modeling the gait of normal and Parkinsonian persons for improving the diagnosis. Neuroscience Letters, 2012, 509, 72-75.	2.1	21
25	GAIT SPECTRAL ANALYSIS: AN EASY FAST QUANTITATIVE METHOD FOR DIAGNOSING PARKINSON'S DISEASE. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250041.	0.7	15
26	Do the chaotic features of gait change in Parkinson's disease?. Journal of Theoretical Biology, 2012, 307, 160-167.	1.7	22
27	Using a parameter of black box model for gait as a criterion to differentiate between parkinson disease & healthy states. , 2010, , .		1
28	Huntington's disease: Modeling the gait disorder and proposing novel treatments. Journal of Theoretical Biology, 2008, 254, 361-367.	1.7	18
29	A computational model for the Huntington disease. Medical Hypotheses, 2007, 68, 1154-1158.	1.5	10
30	Modeling the Parkinson's tremor and its treatments. Journal of Theoretical Biology, 2005, 236, 311-322.	1.7	68