

# Amir Homayoun Jafari

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

735  
citations

759233

12  
h-index

552781

26  
g-index

50  
all docs

50  
docs citations

50  
times ranked

939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and ergonomic assessment of a passive head/neck supporting exoskeleton for overhead work use. <i>Applied Ergonomics</i> , 2022, 101, 103699.	3.1	15
2	Modelling system of two insulin-glucose delays to achieve the dynamics of glucose changes. <i>Journal of Biomedical Physics and Engineering</i> , 2022, 12, 189-204.	0.9	1
3	Agent-based Modeling of Tumor and Immune System Interactions in Combinational Therapy with Low-dose 5-fluorouracil and Dendritic Cell Vaccine in Melanoma B16F10. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2022, 21, 151-166.	0.4	3
4	Sparse representation of brain signals offers effective computation of cortico-muscular coupling value to predict the task-related and non-task sEMG channels: A joint hdEEG-sEMG study. <i>PLoS ONE</i> , 2022, 17, e0270757.	2.5	2
5	Determining the interactions between postural variability structure and discomfort development using nonlinear analysis techniques during prolonged standing work. <i>Applied Ergonomics</i> , 2021, 96, 103489.	3.1	4
6	Simulating ATO Mechanism and EGFR Signaling with Fuzzy Logic and Petri Net. <i>Journal of Biomedical Physics and Engineering</i> , 2021, 11, 325-336.	0.9	3
7	Prediction of anti-CD25 and 5-FU treatments efficacy for pancreatic cancer using a mathematical model. <i>BMC Cancer</i> , 2021, 21, 1226.	2.6	4
8	Toward New Modalities in VEP-Based BCI Applications Using Dynamical Stimuli: Introducing Quasi-Periodic and Chaotic VEP-Based BCI. <i>Frontiers in Neuroscience</i> , 2020, 14, 534619.	2.8	1
9	Extended Robust Boolean Network of Budding Yeast Cell Cycle. <i>Journal of Medical Signals and Sensors</i> , 2020, 10, 94-104.	1.0	0
10	Computer-aided classifying and characterizing of methamphetamine use disorder using resting-state EEG. <i>Cognitive Neurodynamics</i> , 2019, 13, 519-530.	4.0	26
11	Introducing chaotic codes for the modulation of code modulated visual evoked potentials (c-VEP) in normal adults for visual fatigue reduction. <i>PLoS ONE</i> , 2019, 14, e0213197.	2.5	19
12	A Hybrid Multilayer Filtering Approach for Thyroid Nodule Segmentation on Ultrasound Images. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 629-640.	1.7	25
13	An agent-based model for investigating the effect of myeloid-derived suppressor cells and its depletion on tumor immune surveillance. <i>Journal of Medical Signals and Sensors</i> , 2019, 9, 15.	1.0	13
14	Predictive quantitative sonographic features on classification of hot and cold thyroid nodules. <i>European Journal of Radiology</i> , 2018, 101, 170-177.	2.6	13
15	Design of an optimum Poincaré plane for extracting meaningful samples from EEG signals. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 13-20.	1.3	5
16	Modeling the virus-immune system interactions in the peripheral bloodstream of HIV infected individuals using a cellular automata model with considering the effects of antiretroviral therapy. <i>Technology and Health Care</i> , 2017, 25, 59-88.	1.2	0
17	Prediction of epileptic seizures from EEG using analysis of ictal rules on Poincaré plane. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 145, 11-22.	4.7	55
18	Muscle synergy extraction during arm reaching movements at different speeds. <i>Technology and Health Care</i> , 2017, 25, 123-136.	1.2	6

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19	Changes in Effective Connectivity Network Patterns in Drug Abusers, Treated With Different Methods. <i>Basic and Clinical Neuroscience</i> , 2017, 8, 285-298.	0.6	7
20	Analysis of Resting-State fMRI Topological Graph Theory Properties in Methamphetamine Drug Users Applying Box-Counting Fractal Dimension. <i>Basic and Clinical Neuroscience</i> , 2017, 8, 371-386.	0.6	14
21	Quantitative Measurement of Oxygen Extraction Fraction (OEF) Using Respiratory Modulated Perfusion MRI. <i>Iranian Journal of Radiology</i> , 2017, 15, .	0.2	1
22	Enhancement of complex auditory brainstem response to a voiced stop consonant-vowel syllable, by using LMS-based Adaptive Filter. , 2016, , .		1
23	Nonlinear feature extraction for objective classification of complex auditory brainstem responses to diotic perceptually critical consonant-vowel syllables. <i>Auris Nasus Larynx</i> , 2016, 43, 37-44.	1.2	5
24	Changes in Back Compressive Force When Measuring Maximum Acceptable Weight of Lift in Iranian Male Students. <i>Iranian Journal of Public Health</i> , 2016, 45, 1199-1207.	0.5	4
25	Non-auditory Effect of Noise Pollution and Its Risk on Human Brain Activity in Different Audio Frequency Using Electroencephalogram Complexity. <i>Iranian Journal of Public Health</i> , 2016, 45, 1332-1339.	0.5	2
26	Generation of a Four-Class Attenuation Map for MRI-Based Attenuation Correction of PET Data in the Head Area Using a Novel Combination of STE/Dixon-MRI and FCM Clustering. <i>Molecular Imaging and Biology</i> , 2015, 17, 884-892.	2.6	22
27	A new approach to automatically generate optimal Poincaré plane from discrete time series. , 2015, , .		0
28	Effects of box size, frequency of lifting, and height of lift on maximum acceptable weight of lift and heart rate for male university students in Iran. <i>Electronic Physician</i> , 2015, 7, 1365-71.	0.2	8
29	LEARNING TO CONTROL THE THREE-LINK MUSCULOSKELETAL ARM USING ACTOR-CRITIC REINFORCEMENT LEARNING ALGORITHM DURING REACHING MOVEMENT. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014, 26, 1450064.	0.6	5
30	A New Cost Function for Parameter Estimation of Chaotic Systems Using Return Maps as Fingerprints. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450134.	1.7	67
31	Effects of stimulus presentation mode and subcortical laterality in speech-evoked auditory brainstem responses. <i>International Journal of Audiology</i> , 2014, 53, 243-249.	1.7	20
32	A novel segmentation approach for implementation of MRAC in head PET/MRI employing Short-TE MRI and 2-point Dixon method in a fuzzy C-means framework. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 734, 171-174.	1.6	9
33	Gender disparity in subcortical encoding of binaurally presented speech stimuli: An auditory evoked potentials study. <i>Auris Nasus Larynx</i> , 2014, 41, 239-243.	1.2	16
34	A Novel Viewpoint on Parameter Estimation in a Chaotic Neuron Model. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013, 25, E19-E19.	1.8	9
35	APPLICATION OF AN EVOLUTIONARY ACTOR-CRITIC REINFORCEMENT LEARNING METHOD FOR THE CONTROL OF A THREE-LINK MUSCULOSKELETAL ARM DURING A REACHING MOVEMENT. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350040.	0.7	1
36	Simulation of a human cochlea and its implementation on a sample cochlear implant. , 2012, , .		0

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37	Study of chaotic behavior of tremor of some Parkinsonians under deep brain stimulation. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 25-30.	1.3	5
38	A fuzzy-genetic model for estimating forces from electromyographical activity of antagonistic muscles due to planar lower arm movements: The effect of nonlinear muscle properties. BioSystems, 2012, 107, 56-63.	2.0	10
39	A STUDY OF CHAOTIC PHENOMENA IN HUMAN-LIKE REACHING MOVEMENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 3293-3303.	1.7	6
40	Classification of breast lesions in dynamic contrast-enhanced MR images. , 2010, , .		1
41	OGY control fuzzification of tow-link rigid robot arm. , 2009, , .		0
42	Testâ€“retest reliabty of center of pressure measures of postural stability during quiet standing in a group with musculoskeletal disorders consisting of low back pain, anterior cruciate ligament injury and functional ankle instability. Gait and Posture, 2009, 29, 460-464.	1.4	189
43	The effects of dual-tasking on postural control in people with unilateral anterior cruciate ligament injury. Gait and Posture, 2009, 30, 477-481.	1.4	54
44	Intelligent Fuzzy Chaotic Control of a Two-Link Rigid Robot Arm. , 2009, , .		0
45	Effect of Dual-Tasking on Postural Control in Subjects With Nonspecific Low Back Pain. Spine, 2009, 34, 1415-1421.	2.0	57
46	Saccadic and smooth pursuit eye movements: Computational modeling of a common inhibitory mechanism in brainstem. Neuroscience Letters, 2008, 448, 84-89.	2.1	8
47	Supervisory chaos control of a two-link rigid robot arm using OGY method. , 2008, , .		6
48	Reliability of Center of Pressure Measures of Postural Stability in Patients With Unilateral Anterior Cruciate Ligament Injury. Journal of Applied Sciences, 2008, 8, 3019-3025.	0.3	10