

# Amir Homayoun Jafari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3237798/publications.pdf>

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	Testâ€retest reliability 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. <i>Gait and Posture</i> , 2009, 29, 460-464.	1.4	189
2	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
3	Effect of Dual-Tasking on Postural Control in Subjects With Nonspecific Low Back Pain. <i>Spine</i> , 2009, 34, 1415-1421.	2.0	57
4	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
5	The effects of dual-tasking on postural control in people with unilateral anterior cruciate ligament injury. <i>Gait and Posture</i> , 2009, 30, 477-481.	1.4	54
6	Computer-aided classifying and characterizing of methamphetamine use disorder using resting-state EEG. <i>Cognitive Neurodynamics</i> , 2019, 13, 519-530.	4.0	26
7	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
8	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
9	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
10	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
11	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
12	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
13	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
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	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
16	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. <i>BioSystems</i> , 2012, 107, 56-63.	2.0	10
17	Reliability of Center of Pressure Measures of Postural Stability in Patients With Unilateral Anterior Cruciate Ligament Injury. <i>Journal of Applied Sciences</i> , 2008, 8, 3019-3025.	0.3	10
18	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

#	ARTICLE	IF	CITATIONS
19	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. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 171-174.	1.6	9
20	Saccadic and smooth pursuit eye movements: Computational modeling of a common inhibitory mechanism in brainstem. Neuroscience Letters, 2008, 448, 84-89.	2.1	8
21	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. Electronic Physician, 2015, 7, 1365-71.	0.2	8
22	Changes in Effective Connectivity Network Patterns in Drug Abusers, Treated With Different Methods. Basic and Clinical Neuroscience, 2017, 8, 285-298.	0.6	7
23	Supervisory chaos control of a two-link rigid robot arm using OGY method. , 2008, , .		6
24	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
25	Muscle synergy extraction during arm reaching movements at different speeds. Technology and Health Care, 2017, 25, 123-136.	1.2	6
26	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
27	LEARNING TO CONTROL THE THREE-LINK MUSCULOSKELETAL ARM USING ACTOR-CRITIC REINFORCEMENT LEARNING ALGORITHM DURING REACHING MOVEMENT. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450064.	0.6	5
28	Nonlinear feature extraction for objective classification of complex auditory brainstem responses to diotic perceptually critical consonant-vowel syllables. Auris Nasus Larynx, 2016, 43, 37-44.	1.2	5
29	Design of an optimum Poincaré plane for extracting meaningful samples from EEG signals. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 13-20.	1.3	5
30	Determining the interactions between postural variability structure and discomfort development using nonlinear analysis techniques during prolonged standing work. Applied Ergonomics, 2021, 96, 103489.	3.1	4
31	Changes in Back Compressive Force When Measuring Maximum Acceptable Weight of Lift in Iranian Male Students. Iranian Journal of Public Health, 2016, 45, 1199-1207.	0.5	4
32	Prediction of anti-CD25 and 5-FU treatments efficacy for pancreatic cancer using a mathematical model. BMC Cancer, 2021, 21, 1226.	2.6	4
33	Simulating ATO Mechanism and EGFR Signaling with Fuzzy Logic and Petri Net. Journal of Biomedical Physics and Engineering, 2021, 11, 325-336.	0.9	3
34	Agent-based Modeling of Tumor and Immune System Interactions in Combinational Therapy with Low-dose 5-fluorouracil and Dendritic Cell Vaccine in Melanoma B16F10. Iranian Journal of Allergy, Asthma and Immunology, 2022, 21, 151-166.	0.4	3
35	Non-auditory Effect of Noise Pollution and Its Risk on Human Brain Activity in Different Audio Frequency Using Electroencephalogram Complexity. Iranian Journal of Public Health, 2016, 45, 1332-1339.	0.5	2
36	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. PLoS ONE, 2022, 17, e0270757.	2.5	2

#	ARTICLE	IF	CITATIONS
37	Classification of breast lesions in dynamic contrast-enhanced MR images. , 2010, , .		1
38	APPLICATION OF AN EVOLUTIONARY ACTORâ€™CRITIC REINFORCEMENT LEARNING METHOD FOR THE CONTROL OF A THREE-LINK MUSCULOSKELETAL ARM DURING A REACHING MOVEMENT. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350040.	0.7	1
39	Enhancement of complex auditory brainstem response to a voiced stop consonant-vowel syllable, by using LMS-based Adaptive Filter. , 2016, , .		1
40	Quantitative Measurement of Oxygen Extraction Fraction (OEF) Using Respiratory Modulated Perfusion MRI. Iranian Journal of Radiology, 2017, 15, .	0.2	1
41	Toward New Modalities in VEP-Based BCI Applications Using Dynamical Stimuli: Introducing Quasi-Periodic and Chaotic VEP-Based BCI. Frontiers in Neuroscience, 2020, 14, 534619.	2.8	1
42	Modelling system of two insulin-glucose delays to achieve the dynamics of glucose changes. Journal of Biomedical Physics and Engineering, 2022, 12, 189-204.	0.9	1
43	OGY control fuzzification of tow-link rigid robot arm. , 2009, , .		0
44	Intelligent Fuzzy Chaotic Control of a Two-Link Rigid Robot Arm. , 2009, , .		0
45	Simulation of a human cochlea and its implementation on a sample cochlear implant. , 2012, , .		0
46	A new approach to automatically generate optimal Poincar&#x00E9; plane from discrete time series. , 2015, , .		0
47	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. Technology and Health Care, 2017, 25, 59-88.	1.2	0
48	Extended Robust Boolean Network of Budding Yeast Cell Cycle. Journal of Medical Signals and Sensors, 2020, 10, 94-104.	1.0	0