

Fariba Bahrami

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

215
citations

7
h-index

13
g-index

47
ext. papers

288
ext. citations

3.5
avg, IF

3.27
L-index

#	Paper	IF	Citations
36	Impulse control disorders in Parkinson's disease are associated with dysfunction in stimulus valuation but not action valuation. <i>Journal of Neuroscience</i> , 2014 , 34, 7814-24	6.6	58
35	An extended mathematical model of tumor growth and its interaction with the immune system, to be used for developing an optimized immunotherapy treatment protocol. <i>Mathematical Biosciences</i> , 2017 , 292, 1-9	3.9	24
34	Functional modeling of astrocytes in epilepsy: a feedback system perspective. <i>Neural Computing and Applications</i> , 2011 , 20, 1131-1139	4.8	21
33	Trajectory of human movement during sit to stand: a new modeling approach based on movement decomposition and multi-phase cost function. <i>Experimental Brain Research</i> , 2013 , 229, 221-34	2.3	16
32	A mathematical model of immune activation with a unified self-nonsel self concept. <i>Frontiers in Immunology</i> , 2013 , 4, 474	8.4	14
31	MODEM: a multi-agent hierarchical structure to model the human motor control system. <i>Biological Cybernetics</i> , 2009 , 101, 361-77	2.8	11
30	Computational modeling of opioid-induced synaptic plasticity in hippocampus. <i>PLoS ONE</i> , 2018 , 13, e0193710	3.7	9
29	Postural instability and position of the center of pressure into the base of support in postmenopausal osteoporotic and nonosteoporotic women with and without hyperkyphosis. <i>Archives of Osteoporosis</i> , 2019 , 14, 58	2.9	6
28	Attractor controllability of Boolean networks by flipping a subset of their nodes. <i>Chaos</i> , 2018 , 28, 043120	2.3	6
27	COMAP: a new computational interpretation of human movement planning level based on coordinated minimum angle jerk policies and six universal movement elements. <i>Human Movement Science</i> , 2012 , 31, 1037-55	2.4	6
26	AMA-MOSAICI: An automatic module assigning hierarchical structure to control human motion based on movement decomposition. <i>Neurocomputing</i> , 2009 , 72, 2310-2318	5.4	5
25	Attractor Stabilizability of Boolean Networks With Application to Biomolecular Regulatory Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 1-1	4	4
24	A modified particle swarm optimization algorithm for parameter estimation of a biological system. <i>Theoretical Biology and Medical Modelling</i> , 2018 , 15, 17	2.3	4
23	Deep Temporal Organization of fMRI Phase Synchrony Modes Promotes Large-Scale Disconnection in Schizophrenia. <i>Frontiers in Neuroscience</i> , 2020 , 14, 214	5.1	3
22	From a biological template model to gait assistance with an exosuit. <i>Bioinspiration and Biomimetics</i> , 2021 , 16,	2.6	3
21	How does the CNS control arm reaching movements? Introducing a hierarchical nonlinear predictive control organization based on the idea of muscle synergies. <i>PLoS ONE</i> , 2020 , 15, e0228726	3.7	2
20	Method to classify elderly subjects as fallers and non-fallers based on gait energy image. <i>Healthcare Technology Letters</i> , 2014 , 1, 110-4	1.9	2

19	Designing a deep brain stimulator to suppress pathological neuronal synchrony. <i>Neural Networks</i> , 2015 , 63, 282-92	9.1	2
18	INVESTIGATING DIFFERENT TARGETS IN DEEP BRAIN STIMULATION ON PARKINSON'S DISEASE USING A MEAN-FIELD MODEL OF THE BASAL GANGLIA-THALAMOCORTICAL SYSTEM. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1240004	0.7	2
17	An Adaptive Neuro-Fuzzy Inference System for Diagnosis of Aphasia 2008 ,		2
16	Recognizing subjects who are learned how to write with foot from unlearned subjects using EMG signals 2016 ,		2
15	Effects of irreversible olivary system lesion on the gain adaptation of optokinetic response eye movement: a model based study 2018 ,		2
14	The Concept of Transmission Coefficient Among Different Cerebellar Layers: A Computational Tool for Analyzing Motor Learning. <i>Frontiers in Neural Circuits</i> , 2019 , 13, 54	3.5	1
13	3D human arm reaching movement planning with principal patterns in successive phases. <i>Journal of Computational Neuroscience</i> , 2020 , 48, 265-280	1.4	1
12	Formation of Opioid-Induced Memory and Its Prevention: A Computational Study. <i>Frontiers in Computational Neuroscience</i> , 2018 , 12, 63	3.5	1
11	A mathematical model for neuron astrocytes interactions in hippocampus during addiction 2014 ,		1
10	Real time estimation and tracking of human body Center of Mass using 2D video imaging 2011 ,		1
9	Real-time movement planning: A new model to describe human motor planning level 2011 ,		1
8	Assessing the Effects of Opioids on Pathological Memory by a Computational Model. <i>Basic and Clinical Neuroscience</i> , 2018 , 9, 275-288	1.4	1
7	Seizure prediction using a hippocampal circuitry model developed based on a tripartite synapse structure 2016 ,		1
6	Are weight shifting and dynamic control strategies different in postmenopausal women with and without type-I osteoporosis?. <i>Experimental Gerontology</i> , 2021 , 154, 111529	4.5	0
5	Gait modification with subject-specific foot progression angle in people with moderate knee osteoarthritis: Investigation of knee adduction moment and muscle activity.. <i>Knee</i> , 2022 , 35, 124-132	2.6	0
4	The simultaneous changes in motor performance and EEG patterns in beta band during learning dart throwing skill in dominant and non-dominant hand.. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022 , 1-11	2.1	0
3	The Critical Modulatory Role of Spiny Stellate Cells in Seizure Onset Based on Dynamic Analysis of a Neural Mass Model.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 743720	5.1	0
2	How Do We Navigate Our Way to Places? 2017 , 357-372		

- 1 Design and development of a multi-axis force sensor based on the hall effect with decouple structure. *Mechatronics*, **2022**, 84, 102766 3