S Mohammad P Firoozabadi

List of Publications by Year
in descending order

99	1,386	361296	414303
papers	citations	20 h-index	32 g-index

100	100	100	1411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetoporation: New Method for Permeabilization of Cancerous Cells to Hydrophilic Drugs. Journal of Biomedical Physics and Engineering, 2022, 12, 205-210.	0.5	4
2	Screening of Brain Tumors Using Functional Connectivity Patterns of Steady-State Visually Evoked Potentials. Brain Connectivity, 2022, 12, 883-891.	0.8	3
3	Investigation of how stimulation intensity of rTMS affects magneto permeabilization of the Bloodâ€“Brain Barrier (BBB). Electromagnetic Biology and Medicine, 2022, 41, 335-342.	0.7	1
4	An EEG channel selection method for motor imagery based brainâ€“computer interface and neurofeedback using Granger causality. Neural Networks, 2021, 133, 193-206.	3.3	67
5	The effect of 900 MHz electromagnetic fields on biological pathways induced by electrochemotherapy.. Electromagnetic Biology and Medicine, 2021, 40, 158-168.	0.7	3
6	A fast approximate method for predicting the behavior of auditory nerve fibers and the evoked compound action potential (ECAP) signal. Journal of Medical Signals and Sensors, 2021, 11, 169.	0.5	1
7	Pulsed high magnetic field-induced reversible blood-brain barrier permeability to enhance brain-targeted drug delivery. Electromagnetic Biology and Medicine, 2021, 40, 361-374.	0.7	11
8	Endocytosis induction by high-pulsed magnetic fields to overcome cell membrane barrier and improve chemotherapy efficiency. Electromagnetic Biology and Medicine, 2021, 40, 438-445.	0.7	5
9	Glial cells have more important role in tDCS-induced brain activities rather than neurons. Medical Hypotheses, 2021, 153, 110615.	0.8	4
10	Role of Endocytosis Pathways in Electropermeablization of MCF7 Cells Using Low Voltage and High Frequency Electrochemotherapy. Cell Journal, 2021, 23, 445-450.	0.2	2
11	The effect of beta/alpha neurofeedback training on imitating brain activity patterns in visual artists. Biomedical Signal Processing and Control, 2020, 56, 101661.	3.5	15
12	The role of 217-Hz ELF magnetic fields emitted from GSM mobile phones on electrochemotherapy mechanisms. Electromagnetic Biology and Medicine, 2020, 39, 239-249.	0.7	6
13	Psychological, Neurophysiological, and Mental Factors Associated With Gamma-Enhancing Neurofeedback Success. Basic and Clinical Neuroscience, 2020, 11, 701-714.	0.3	0
14	Psychological, Neurophysiological, and Mental Factors Associated With Gamma-Enhancing Neurofeedback Success. Basic and Clinical Neuroscience, 2020, 11, 701-714.	0.3	7
15	Polypyrrole nanotube modified by gold nanoparticles for improving the neural microelectrodes. Journal of Solid State Electrochemistry, 2019, 23, 1533-1539.	1.2	10
16	Neurofeedback training protocols based on selecting distinctive features and identifying appropriate channels to enhance performance in novice visual artists. Biomedical Signal Processing and Control, 2019, 49, 308-321.	3.5	14
17	Factors Affecting Telemedicine Acceptance in Patients with Parkinson's Disease. Frontiers in Health Informatics, 2019, 8, 23.	0.3	2
18	Conductivity change with needle electrode during high frequency irreversible electroporation: a finite element study. Polish Journal of Medical Physics and Engineering, 2019, 25, 237-242.	0.2	4

#	Article	IF	Citations
19	Fuzzy adaptive neurofeedback training: An efficient neurofeedback training procedure providing a more accurate progress rate for trainee. Biomedical Signal Processing and Control, 2018, 44, 75-81.	3.5	14
20	Neurofeedback training protocols based on spectral EEG feature subset and channel selection for performance enhancement of novice visual artists. Biomedical Signal Processing and Control, 2018, 43, 117-129.	3.5	16
21	User preferences for adaptive user interfaces in health information systems. Universal Access in the Information Society, 2018, 17, 875-883.	2.1	12
22	Recognition of Music-Induced Emotions Based on Heart-Brain Connectivity. , 2017, , .		1
23	Analysis of Regularity in the EEG Before/After Working Memory Task. , 2017, , .		2
24	Recognition of Positive, Negative and Neutral Emotions Using Brain Connectivity Patterns. , 2017, , .		0
25	An application of simulated annealing to optimal transcranial direct current stimulation of the human brain. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1135-1149.	0.9	2
26	Recognition of two emotional states of joy and sadness using phase lag index and SVM classifier. , 2016, , .		3
27	Low-Complexity Discriminative Feature Selection From EEG Before and After Short-Term Memory Task. Clinical EEG and Neuroscience, 2016, 47, 291-297.	0.9	5
28	A neuromechanical modeling of spinal cord injury locomotor system for simulating the rehabilitation effects. Biocybernetics and Biomedical Engineering, 2016, 36, 193-204.	3.3	4
29	Use of mobile phone during pregnancy and the risk of spontaneous abortion. Journal of Environmental Health Science & Engineering, 2015, 13, 34.	1.4	28
30	A bipedal gait locomotion model for simulating hemiplegic behavior. , 2015, , .		0
31	Sonochemotherapy of breast adenocarcinoma: an experimental in vivo model. Journal of Ultrasound, 2015, 18, 165-171.	0.7	4
32	Reliable emotion recognition system based on dynamic adaptive fusion of forehead biopotentials and physiological signals. Computer Methods and Programs in Biomedicine, 2015, 122, 149-164.	2.6	72
33	Emotion classification during music listening from forehead biosignals. Signal, Image and Video Processing, 2015, 9, 1365-1375.	1.7	37
34	Improvement of Neurofeedback Therapy for Improved Attention Through Facilitation of Brain Activity Using Local Sinusoidal Extremely Low Frequency Magnetic Field Exposure. Clinical EEG and Neuroscience, 2015, 46, 100-112.	0.9	18
35	Effect of Tendon and Bulk Vibration of The Soleus Muscle on the Threshold and Positive Slope of the H-Reflex Recruitment Curve. FTR - Turkiye Fiziksel Tip Ve Rehabilitasyon Dergisi, 2015, 61, 18-22.	0.1	1
36	The effects of pulsed magnetic field exposure on the permeability of leukemia cancer cells. Electromagnetic Biology and Medicine, 2014, 33, 154-158.	0.7	17

#	Article	IF	Citations
37	Local ELF-magnetic field: a possible novel therapeutic approach to psychology symptoms. Neurological Sciences, 2014, 35, 1651-1656.	0.9	4
38	Parametric study of irreversible electroporation with different needle electrodes: Electrical and thermal analysis. International Journal of Hyperthermia, 2014, 30, 335-347.	1.1	20
39	A full bio-inspired bipedal gait locomotion system. , 2014, , .		2
40	Analysis of EEG Signals Related to Artists and Nonartists during Visual Perception, Mental Imagery, and Rest Using Approximate Entropy. BioMed Research International, 2014, 2014, 1-10.	0.9	27
41	Classification of Music-Induced Emotions Based on Information Fusion of Forehead Biosignals and Electrocardiogram. Cognitive Computation, 2014, 6, 241-252.	3.6	44
42	Optimization of Electric Pulse Amplitude and Frequency In Vitro for Low Voltage and High Frequency Electrochemotherapy. Journal of Membrane Biology, 2014, 247, 147-154.	1.0	16
43	The Effect of ELF Magnetic Field on Tumor Growth after Electrochemotherapy. Journal of Membrane Biology, 2014, 247, 9-15.	1.0	9
44	A new information fusion approach for recognition of music-induced emotions. , 2014, , .		6
45	Investigation of EEG changes during exposure to extremely low-frequency magnetic field to conduct brain signals. Neurological Sciences, 2014, 35, 1715-1721.	0.9	11
46	Repeated transcranial magnetic stimulation prevents kindling-induced changes in electrophysiological properties of rat hippocampal CA1 pyramidal neurons. Neuroscience, 2014, 280, 181-192.	1.1	22
47	Repetitive transcranial magnetic stimulation decreases the kindling induced synaptic potentiation: Effects of frequency and coil shape. Epilepsy Research, 2014, 108, 190-201.	0.8	21
48	Low Frequency Repetitive Transcranial Magnetic Stimulation to Improve Motor Function and Grip Force of Upper Limbs of Patients With Hemiplegia. Iranian Red Crescent Medical Journal, 2014, 16, e13579.	0.5	16
49	The Effect of Pulsed Magnetic Field on the Molecular Uptake and Medium Conductivity of Leukemia Cell. Cell Biochemistry and Biophysics, 2013, 65, 211-216.	0.9	25
50	A morphological approach for mental fatigue assessment. , 2013, , .		0
51	Effect of different frequencies of repetitive transcranial magnetic stimulation on acquisition of chemical kindled seizures in rats. Neurological Sciences, 2013, 34, 1897-1903.	0.9	6
52	Magnetic fields with frequency of 217 Hz can reduce cell apoptosis caused by electrochemotherapy. Electromagnetic Biology and Medicine, 2013, 32, 70-78.	0.7	13
53	Variation of wavelet entropy in electroencephalogram signal during neurofeedback training. Complexity, 2013, 18, 18-23.	0.9	10
54	Local Exposure of Brain Central Areas to a Pulsed ELF Magnetic Field for a Purposeful Change in EEG. Clinical EEG and Neuroscience, 2013, 44, 44-52.	0.9	10

#	Article	IF	Citations
55	Analysis of EEG rhythms under local sinusoidal ELF magnetic field exposure: An approach to neurofeedback enhancement on attention performance. Journal of Biomedical Science and Engineering, 2013, 06, 947-953.	0.2	2
56	Investigation of EEG Alpha Rhythm of Artists and Nonartists During Visual Perception, Mental Imagery, and Rest. Journal of Neurotherapy, 2013, 17, 166-177.	0.9	10
57	Optimal electrode placement in transcranial direct current stimulation via genetic algorithm. , 2013, , .		0
58	A Comparative Investigation of Wavelet Families for Analysis of EEG Signals Related to Artists and Nonartists During Visual Perception, Mental Imagery, and Rest. Journal of Neurotherapy, 2013, 17, 248-257.	0.9	11
59	Brain Inconspicuous Effect by Local Sinusoidal Extremely Low Frequency Magnetic Exposure Based on Wavelet Packet Analysis: Innovation in Online Passive Neurofeedback Therapy by the Neuro-LSELF System. Journal of Neurotherapy, 2013, 17, 226-247.	0.9	6
60	THE EFFECT OF SENSORIMOTOR RHYTHM ENHANCING NEUROFEEDBACK ON POWER OF ADJACENT FREQUENCY BANDS. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 307-312.	0.3	12
61	Co-Adaptive and Affective Human-Machine Interface for Improving Training Performances of Virtual Myoelectric Forearm Prosthesis. IEEE Transactions on Affective Computing, 2012, 3, 285-297.	5.7	42
62	Predicting the spontaneous termination of atrial fibrillation based on Poincare section in the electrocardiogram phase space. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 3-20.	1.0	8
63	The antitumor efficiency of combined electrochemotherapy and single dose irradiation on a breast cancer tumor model. Radiology and Oncology, 2012, 46, 226-32.	0.6	15
64	Lucifer Yellow uptake by CHO cells exposed to magnetic and electric pulses. Radiology and Oncology, 2012, 46, 119-25.	0.6	45
65	Emotion classification based on forehead biosignals using support vector machines in music listening. , 2012, , .		3
66	Study of the frequency parameters of EEG influenced by zone-dependent local ELF-MF exposure on the human head. Electromagnetic Biology and Medicine, 2012, 31, 112-121.	0.7	10
67	Evaluation of EMG features of trunk muscles during flexed postures. , 2012, , .		3
68	Control of pathfinder robot movement using combination of brain rhythmic waves and evoked potential features in Virtual Environment. , 2012, , .		0
69	Study of chaotic behavior of tremor of some Parkinsonians under deep brain stimulation. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 25-30.	1.4	5
70	Effect of low-frequency electrical stimulation parameters on its anticonvulsant action during rapid perforant path kindling in rat. Epilepsy Research, 2012, 99, 69-77.	0.8	39
71	Evaluating nonlinear variability of mental fatigue behavioral indices during longâ€term attentive task. Complexity, 2012, 17, 7-16.	0.9	7
72	The application of Empirical Mode Decomposition in elimination of ECG contamination from EMG signals. , 2011, , .		6

#	Article	IF	Citations
73	Discriminating affective states in music induction environment using forehead bioelectric signals. , 2011, , .		4
74	Information evaluation and classification of scaling exponents of EEG signals corresponding to visual perception, mental imagery & mental rest for artists and non-artists. , 2011, , .		6
75	An evolutionary network model of epileptic phenomena. Neurocomputing, 2011, 74, 617-628.	3.5	7
76	Investigation of mental fatigue through EEG signal processing based on nonlinear analysis: Symbolic dynamics. Chaos, Solitons and Fractals, 2011, 44, 1054-1062.	2.5	51
77	Effects of Weak Environmental Magnetic Fields on the Spontaneous Bioelectrical Activity of Snail Neurons. Journal of Membrane Biology, 2011, 240, 63-71.	1.0	12
78	Tumor Growth Inhibited by Low-Voltage Amplitude and 5-kHz Frequency Electrochemotherapy. Journal of Membrane Biology, 2011, 244, 121-128.	1.0	10
79	A novel humanâ€“machine interface based on recognition of multi-channel facial bioelectric signals. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 497-513.	1.4	24
80	Using affective humanâ€“machine interface to increase the operation performance in virtual construction crane training system: A novel approach. Automation in Construction, 2011, 20, 289-298.	4.8	72
81	Controlling a virtual forehand prosthesis using an adaptive and affective Human-Machine Interface. , 2011, 2011, 4128-31.		3
82	Facial gesture recognition using two-channel bio-sensors configuration and fuzzy classifier: A pilot study. , 2011, , .		15
83	The Effect of High-Frequency Electric Pulses on Tumor Blood Flow In Vivo. Journal of Membrane Biology, 2010, 236, 163-166.	1.0	9
84	Evaluating variability of frequency features of EEG signals during mental fatigue. , 2010, , .		2
85	Estimation of the extent of neural activation in electrical stimulation of the central nervous system. , 2010, , .		0
86	On the discrimination of patho-physiological states in epilepsy by means of dynamical measures. Computers in Biology and Medicine, 2009, 39, 1073-1082.	3.9	11
87	Network modeling of epileptic seizure genesis in hippocampus. , 2009, , .		0
88	Evaluation of trunk muscle activity in chronic low back pain patients and healthy individuals during holding loads. Journal of Back and Musculoskeletal Rehabilitation, 2009, 22, 165-172.	0.4	25
89	50ÂHz alternating extremely low frequency magnetic fields affect excitability, firing and action potential shape through interaction with ionic channels in snail neurones. The Environmentalist, 2008, 28, 341-347.	0.7	14
90	Variability of the Minimal Transmembrane Voltage Resulting in Detectable Membrane Electroporation. Electromagnetic Biology and Medicine, 2008, 27, 372-385.	0.7	51

#	Article	IF	Citations
91	Effect of anodal and cathodal microamperage direct current electrical stimulation on injury potential and wound size in guinea pigs. Journal of Rehabilitation Research and Development, 2008, 45, 153-160.	1.6	19
92	A New Approach for EMG Decomposition Based on Overlaps Solution. , 2007, , .		0
93	Effects of micro-amperage direct current stimulation on injury potential and its relation to wound surface area in guinea pig. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3516-9.	0.5	0
94	Acute exposure to a 50Hz magnetic field impairs consolidation of spatial memory in rats. Neurobiology of Learning and Memory, 2007, 88, 387-392.	1.0	58
95	Application of Higher Order Statistics to Surface Electromyogram Signal Classification. IEEE Transactions on Biomedical Engineering, 2007, 54, 1762-1769.	2.5	64
96	Anodal and cathodal pulsed electrical stimulation on skin wound healing in guinea pigs. Journal of Rehabilitation Research and Development, 2007, 44, 611.	1.6	25
97	Evaluation of Spinal Internal Loads and Lumbar Curvature under Holding Static Load at Different Trunk and Knee Positions. Pakistan Journal of Biological Sciences, 2007, 10, 1036-1043.	0.2	5
98	Contribution of ionotropic glutamate receptors and voltage-dependent calcium channels to the potentiation phenomenon induced by transient pentylenetetrazol in the CA1 region of rat hippocampal slices. Brain Research, 2003, 959, 173-181.	1.1	12
99	A Novel Feature Extraction Scheme for Myoelectric Signals Classification Using Higher Order Statistics. , 0, , .		5