Mohammad Reza Daliri

List of Publications by Year
in descending order

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121 papers	2,109 citations	304602 22 h-index	330025 37 g-index
127 all docs	127 docs citations	127 times ranked	1946 citing authors

#	Article	IF	Citations
1	Diagnosis of Multiple Sclerosis Using Graph-Theoretic Measures of Cognitive-Task-Based Functional Connectivity Networks. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 926-934.	2.6	5
2	Sensory representation of visual stimuli in the coupling of low-frequency phase to spike times. Brain Structure and Function, 2022, , 1.	1.2	1
3	Spatio-Spectral CCA (SS-CCA): A novel approach for frequency recognition in SSVEP-based BCI. Journal of Neuroscience Methods, 2022, 371, 109499.	1.3	8
4	Classification of Low and High Schizotypy Levels via Evaluation of Brain Connectivity. International Journal of Neural Systems, 2022, 32, 2250013.	3.2	14
5	Decoding locomotion speed and slope from local field potentials of rat motor cortex. Computer Methods and Programs in Biomedicine, 2022, 223, 106961.	2.6	3
6	Dynamic theta-modulated high frequency oscillations in rat medial prefrontal cortex during spatial working memory task. Physiology and Behavior, 2022, 254, 113912.	1.0	6
7	Frequencyâ€“amplitude coupling: a new approach for decoding of attended features in covert visual attention task. Neural Computing and Applications, 2021, 33, 3487-3502.	3.2	11
8	Regularized Kalman filter for brain-computer interfaces using local field potential signals. Journal of Neuroscience Methods, 2021, 350, 109022.	1.3	5
9	Task-specific modulation of PFC activity for matching-rule governed decision-making. Brain Structure and Function, 2021, 226, 443-455.	1.2	8
10	Brain-Computer-Spinal Interface Restores Upper Limb Function After Spinal Cord Injury. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1233-1242.	2.7	17
11	A stack LSTM structure for decoding continuous force from local field potential signal of primary motor cortex (M1). BMC Bioinformatics, 2021, 22, 26.	1.2	5
12	The Effect of Brain Teaser Games on the Attention of Players Based on Hormonal and Brain Signals Changes. Basic and Clinical Neuroscience, 2021, 12, 587-596.	0.3	4
13	A neural correlate of visual feature binding in primate lateral prefrontal cortex. NeuroImage, 2021, 229, 117757.	2.1	9
14	Prefrontal lesions disrupt oscillatory signatures of spatiotemporal integration in working memory. Cortex, 2021, 138, 113-126.	1.1	18
15	Combining Generalized Eigenvalue Decomposing with Laplacian Filtering to Improve Cortical Decoding Performance. , 2021, , .		0
16	EEG artifact rejection by extracting spatial and spatio-spectral common components. Journal of Neuroscience Methods, 2021, 358, 109182.	1.3	16
17	Alpha oscillation during the performance of a new variant of working memory-guided saccade task: Evidence from behavioral and electroencephalographic analyses. International Journal of Psychophysiology, 2021, 166, 61-70.	0.5	2
18	Prefrontal Lesions Disrupt Posterior Alphaâ€“Gamma Coordination of Visual Working Memory Representations. Journal of Cognitive Neuroscience, 2021, 33, 1798-1810.	1.1	10

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19	Ensemble Regularized Common Spatio-Spectral Pattern (ensemble RCSSP) model for motor imagery-based EEG signal classification. Computers in Biology and Medicine, 2021, 135, 104546.	3.9	16
20	Applying nonlinear measures to the brain rhythms: an effective method for epilepsy diagnosis. BMC Medical Informatics and Decision Making, 2021, 21, 270.	1.5	2
21	Single-Trial Decoding of Motion Direction During Visual Attention From Local Field Potential Signals. IEEE Access, 2021, 9, 66450-66461.	2.6	4
22	GMMPLS: A Novel Automatic State-Based Algorithm for Continuous Decoding in BMIs. IEEE Access, 2021, 9, 148756-148770.	2.6	2
23	Quantification of Spike-LFP Synchronization Based on Mathematical Function of Neural and Synthetic Data. , 2021, , .		0
24	An enhanced HMAX model in combination with SIFT algorithm for object recognition. Signal, Image and Video Processing, 2020, 14, 425-433.	1.7	9
25	Single-Trial Decoding from Local Field Potential Using Bag of Word Representation. Brain Topography, 2020, 33, 10-21.	0.8	5
26	Force decoding using local field potentials in primary motor cortex: PLS or Kalman filter regression?. Physical and Engineering Sciences in Medicine, 2020, 43, 175-186.	1.3	10
27	Nonlinear sparse partial least squares: an investigation of the effect of nonlinearity and sparsity on the decoding of intracranial data. Journal of Neural Engineering, 2020, 17, 016055.	1.8	3
28	State-Based Decoding of Force Signals From Multi-Channel Local Field Potentials. IEEE Access, 2020, 8, 159089-159099.	2.6	12
29	Adaptation Modulates Spike-Phase Coupling Tuning Curve in the Rat Primary Auditory Cortex. Frontiers in Systems Neuroscience, 2020, 14, 55.	1.2	6
30	Decoding covert visual attention based on phase transfer entropy. Physiology and Behavior, 2020, 222, 112932.	1.0	17
31	Attention strengthens across-trial pre-stimulus phase coherence in visual cortex, enhancing stimulus processing. Scientific Reports, 2020, 10, 4837.	1.6	23
32	Regularized Partial Least Square Regression for Continuous Decoding in Brain-Computer Interfaces. Neuroinformatics, 2020, 18, 465-477.	1.5	12
33	A Template-Based Sequential Algorithm for Online Clustering of Spikes in Extracellular Recordings. Cognitive Computation, 2020, 12, 542-552.	3.6	3
34	Decoding Adaptive Visuomotor Behavior Mediated by Non-linear Phase Coupling in Macaque Area MT. Frontiers in Neuroscience, 2020, 14, 230.	1.4	4
35	Investigating the impact of mobile range electromagnetic radiation on the medial prefrontal cortex of the rat during working memory. Behavioural Brain Research, 2020, 391, 112703.	1.2	6
36	Alterations of Cognitive Functions Following Violent and Football Video Games in Young Male Volunteers: By Studying Brain Waves. Basic and Clinical Neuroscience, 2020, 11, 279-288.	0.3	8

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37	Strategic deployment of feature-based attentional gain in primate visual cortex. PLoS Biology, 2019, 17, e3000387.	2.6	15
38	Stimulus-Specific Adaptation Decreases the Coupling of Spikes to LFP Phase. Frontiers in Neural Circuits, 2019, 13, 44.	1.4	7
39	Granger causality analysis in combination with directed network measures for classification of MS patients and healthy controls using task-related fMRI. Computers in Biology and Medicine, 2019, 115, 103495.	3.9	33
40	Rat Navigation by Stimulating Somatosensory Cortex. Journal of Bionic Engineering, 2019, 16, 931-942.	2.7	7
41	Analysis of brain functional connectivity network in MS patients constructed by modular structure of sparse weights from cognitive task-related fMRI. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 921-938.	1.4	5
42	Wi-Fi RSS-based Indoor Localization Using Reduced Features Second Order Discriminant Function. , 2019, , .		3
43	Functional and effective connectivity based features of EEG signals for object recognition. Cognitive Neurodynamics, 2019, 13, 555-566.	2.3	43
44	Ratbot navigation using deep brain stimulation in ventral posteromedial nucleus. Bioengineered, 2019, 10, 250-260.	1.4	8
45	Routing information flow by separate neural synchrony frequencies allows for â€œfunctionally labeled linesâ€•in higher primate cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12506-12515.	3.3	29
46	Gender-based eye movement differences in passive indoor picture viewing: An eye-tracking study. Physiology and Behavior, 2019, 206, 43-50.	1.0	45
47	Adaptation effects of medial forebrain bundle micro-electrical stimulation. Bioengineered, 2019, 10, 78-86.	1.4	7
48	Adaptive Artifact Removal From Intracortical Channels for Accurate Decoding of a Force Signal in Freely Moving Rats. Frontiers in Neuroscience, 2019, 13, 350.	1.4	13
49	Computer Aided Diagnosis System for multiple sclerosis disease based on phase to amplitude coupling in covert visual attention. Computer Methods and Programs in Biomedicine, 2019, 169, 9-18.	2.6	46
50	Investigation of eye movement pattern parameters of individuals with different fluid intelligence. Experimental Brain Research, 2019, 237, 15-28.	0.7	10
51	Statistical algorithms for emotion classification via functional connectivity. Journal of Integrative Neuroscience, 2019, 18, 293.	0.8	9
52	Working Memory Enhances Cortical Representations via Spatially Specific Coordination of Spike Times. Neuron, 2018, 97, 967-979.e6.	3.8	35
53	Segmentation of brain MR images using a proper combination of DCS based method with MRF. Multimedia Tools and Applications, 2018, 77, 8001-8018.	2.6	15
54	Altered topological properties of brain networks in the early MS patients revealed by cognitive task-related fMRI and graph theory. Biomedical Signal Processing and Control, 2018, 40, 385-395.	3.5	17

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55	Brain Control of an External Device by Extracting the Highest Force-Related Contents of Local Field Potentials in Freely Moving Rats. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 18-25.	2.7	13
56	Decoding the different states of visual attention using functional and effective connectivity features in fMRI data. Cognitive Neurodynamics, 2018, 12, 157-170.	2.3	23
57	Automatic ROI Detection in Lumbar Spine MRI. , 2018, , .		2
58	Neural Activity Predicts Reaction in Primates Long Before a Behavioral Response. Frontiers in Behavioral Neuroscience, 2018, 12, 207.	1.0	13
59	Introducing a Comprehensive Framework to Measure Spike-LFP Coupling. Frontiers in Computational Neuroscience, 2018, 12, 78.	1.2	21
60	Classification of epileptic EEG signals by wavelet based CFC. , 2018, , .		8
61	The Beneficial or Harmful Effects of Computer Game Stress on Cognitive Functions of Players. Basic and Clinical Neuroscience, 2018, 9, 177-186.	0.3	31
62	A high performance steady state visual evoked potential BCI system based on variational mode decomposition. , 2018, , .		3
63	Attention decouples action potentials from the phase of local field potentials in macaque visual cortical area MT. BMC Biology, 2018, 16, 86.	1.7	23
64	Neural Monitoring With CMOS Image Sensors. Basic and Clinical Neuroscience, 2018, 9, 227-235.	0.3	4
65	Automatic Pulmonary Nodule Growth Measurement through CT Image Analysis based on Morphology Filtering and Statistical Region Merging. Biomedical and Pharmacology Journal, 2018, 11, 1247-1259.	0.2	0
66	Analysis of folk music preference of people from different ethnic groups using kernel-based methods on EEG signals. Applied Mathematics and Computation, 2017, 307, 62-70.	1.4	7
67	DCS-SVM: a novel semi-automated method for human brain MR image segmentation. Biomedizinische Technik, 2017, 62, 581-590.	0.9	3
68	Diagnosis of multiple sclerosis from EEG signals using nonlinear methods. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 785-797.	1.4	17
69	Semantic Category-Based Classification Using Nonlinear Features and Wavelet Coefficients of Brain Signals. Cognitive Computation, 2017, 9, 702-711.	3.6	11
70	A new method for epileptic seizure classification in EEG using adapted wavelet packets. , 2017, , .		19
71	Minimum Noise Estimate Filter: A Novel Automated Artifacts Removal Method for Field Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1143-1152.	2.7	24
72	Local field potentials are induced by visually evoked spiking activity in macaque cortical area MT. Scientific Reports, 2017, 7, 17110.	1.6	15

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73	Epileptic seizure classification using novel entropy features applied on maximal overlap discrete wavelet packet transform of EEG signals. , 2017, , .		6
74	Phase and amplitude coupling feature extraction and recognition of Ictal EEG using VMD. , 2017, , .		9
75	AUTOMATIC LUNG NODULE DETECTION BASED ON STATISTICAL REGION MERGING AND SUPPORT VECTOR MACHINES. Image Analysis and Stereology, 2017, 36, 65.	0.4	16
76	A Review on Texture Analysis Methods in Biomedical Image Processing. OMICS Journal of Radiology, 2016, 05, .	0.0	9
77	Attention enhances stimulus representations in macaque visual cortex without affecting their signal-to-noise level. Scientific Reports, 2016, 6, 27666.	1.6	3
78	Underwater cable detection in the images using edge classification based on texture information. Measurement: Journal of the International Measurement Confederation, 2016, 91, 309-317.	2.5	44
79	Invariant texture classification using a spatial filter bank in multi-resolution analysis. Image and Vision Computing, 2016, 45, 1-10.	2.7	17
80	Decoding of object categories from brain signals using cross frequency coupling methods. Biomedical Signal Processing and Control, 2016, 27, 60-67.	3.5	23
81	Rotation invariant texture classification using extended wavelet channel combining and LL channel filter bank. Knowledge-Based Systems, 2016, 97, 75-88.	4.0	14
82	EEG phase patterns reflect the representation of semantic categories of objects. Medical and Biological Engineering and Computing, 2016, 54, 205-221.	1.6	16
83	Differences of eye movement pattern in natural and man-made scenes and image categorization with the help of these patterns. Journal of Integrative Neuroscience, 2016, 15, 37-54.	0.8	5
84	Recognition of amyotrophic lateral sclerosis disease using factorial hidden Markov model. Biomedizinische Technik, 2016, 61, 119-126.	0.9	13
85	Predicting the eye fixation locations in the gray scale images in the visual scenes with different semantic contents. Cognitive Neurodynamics, 2016, 10, 31-47.	2.3	4
86	Continuous Force Decoding from Local Field Potentials of the Primary Motor Cortex in Freely Moving Rats. Scientific Reports, 2016, 6, 35238.	1.6	38
87	Attention Decreases Phase-Amplitude Coupling, Enhancing Stimulus Discriminability in Cortical Area MT. Frontiers in Neural Circuits, 2015, 9, 82.	1.4	44
88	Supervised segmentation of MRI brain images using combination of multiple classifiers. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 241-253.	1.4	17
89	Combining extreme learning machines using support vector machines for breast tissue classification. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 185-191.	0.9	26
90	Improving the runtime of MRF based method for MRI brain segmentation. Applied Mathematics and Computation, 2015, 256, 808-818.	1.4	37

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91	Evaluation of local field potential signals in decoding of visual attention. Cognitive Neurodynamics, 2015, 9, 509-522.	2.3	10
92	RDLPFC area of the brain encodes sentence polarity: a study using fMRI. Brain Imaging and Behavior, 2015, 9, 178-189.	1.1	15
93	Decoding Objects of Basic Categories from Electroencephalographic Signals Using Wavelet Transform and Support Vector Machines. Brain Topography, 2015, 28, 33-46.	0.8	62
94	The Effect of Adaptation on the Tuning Curves of Rat Auditory Cortex. PLoS ONE, 2015, 10, e0115621.	1.1	16
95	The Effects of Fifa 2015 Computer Games on Changes in Cognitive, Hormonal and Brain Waves Functions of Young Men Volunteers. Basic and Clinical Neuroscience, 2015, 6, 193-201.	0.3	12
96	Advantages and Disadvantages of Resting State Functional Connectivity Magnetic Resonance Imaging for Clinical Applications. OMICS Journal of Radiology, 2014, 3, .	0.0	5
97	Predicting brain states associated with object categories from fMRI data. Journal of Integrative Neuroscience, 2014, 13, 645-667.	0.8	15
98	Feature level combination for object recognition. , 2014, , .		1
99	HMM for Classification of Parkinsonâ€™s Disease Based on the Raw Gait Data. Journal of Medical Systems, 2014, 38, 147.	2.2	64
100	PSO-Based Optimal Selection of Zernike Moments for Target Discrimination in High-Resolution SAR Imagery. Journal of the Indian Society of Remote Sensing, 2014, 42, 483-493.	1.2	6
101	Solve the Rubik's cube with robot based on non-invasive brain computer interface. , 2014, , .		4
102	A hybrid method for the decoding of spatial attention using the MEG brain signals. Biomedical Signal Processing and Control, 2014, 10, 308-312.	3.5	12
103	Decoding of Visual Attention from LFP Signals of Macaque MT. PLoS ONE, 2014, 9, e100381.	1.1	29
104	Evaluation of Phase Locking and Cross Correlation Methods for Estimating the Time Lag between Brain Sites: A Simulation Approach. Basic and Clinical Neuroscience, 2014, 5, 205-11.	0.3	3
105	The brain's neural classifiers considering both the posterior probabilities and generalities to control the mechanism underlying decision making; an evidence for computational Bayesian classifiers. , 2013, , .		0
106	Chi-square distance kernel of the gaits for the diagnosis of Parkinson's disease. Biomedical Signal Processing and Control, 2013, 8, 66-70.	3.5	119
107	Kernel Earth Mover's Distance for EEG Classification. Clinical EEG and Neuroscience, 2013, 44, 182-187.	0.9	19
108	Estimation of neural firing rate: the wavelet density estimation approach. Biomedizinische Technik, 2013, 58, 377-86.	0.9	1

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109	fMRI: Clinical and Research Applications. OMICS Journal of Radiology, 2013, 01, .	0.0	3
110	EEG Signature of Object Categorization from Event-related Potentials. Journal of Medical Signals and Sensors, 2013, 3, 37-44.	0.5	3
111	Feature selection using binary particle swarm optimization and support vector machines for medical diagnosis. Biomedizinische Technik, 2012, 57, 395-402.	0.9	19
112	Automatic diagnosis of neuro-degenerative diseases using gait dynamics. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1729-1734.	2.5	76
113	Automated Diagnosis of Alzheimer Disease using the Scale-Invariant Feature Transforms in Magnetic Resonance Images. Journal of Medical Systems, 2012, 36, 995-1000.	2.2	51
114	A Hybrid Automatic System for the Diagnosis of Lung Cancer Based on Genetic Algorithm and Fuzzy Extreme Learning Machines. Journal of Medical Systems, 2012, 36, 1001-1005.	2.2	65
115	Predicting the Cognitive States of the Subjects in Functional Magnetic Resonance Imaging Signals Using the Combination of Feature Selection Strategies. Brain Topography, 2012, 25, 129-135.	0.8	15
116	Shape recognition based on Kernel-edit distance. Computer Vision and Image Understanding, 2010, 114, 1097-1103.	3.0	45
117	Classification of silhouettes using contour fragments. Computer Vision and Image Understanding, 2009, 113, 1017-1025.	3.0	26
118	Shape and texture clustering: Best estimate for the clusters number. Image and Vision Computing, 2009, 27, 1603-1614.	2.7	7
119	Robust symbolic representation for shape recognition and retrieval. Pattern Recognition, 2008, 41, 1782-1798.	5.1	161
120	Shape Recognition and Retrieval Using String of Symbols. , 2006, , .		16
121	Shape Categorization Using String Kernels. Lecture Notes in Computer Science, 2006, , 297-305.	1.0	8