

# Mohammad Reza Daliri

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Robust symbolic representation for shape recognition and retrieval. <i>Pattern Recognition</i> , 2008, 41, 1782-1798.	5.1	161
2	Chi-square distance kernel of the gaits for the diagnosis of Parkinson's disease. <i>Biomedical Signal Processing and Control</i> , 2013, 8, 66-70.	3.5	119
3	Automatic diagnosis of neuro-degenerative diseases using gait dynamics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012, 45, 1729-1734.	2.5	76
4	A Hybrid Automatic System for the Diagnosis of Lung Cancer Based on Genetic Algorithm and Fuzzy Extreme Learning Machines. <i>Journal of Medical Systems</i> , 2012, 36, 1001-1005.	2.2	65
5	HMM for Classification of Parkinson's Disease Based on the Raw Gait Data. <i>Journal of Medical Systems</i> , 2014, 38, 147.	2.2	64
6	Decoding Objects of Basic Categories from Electroencephalographic Signals Using Wavelet Transform and Support Vector Machines. <i>Brain Topography</i> , 2015, 28, 33-46.	0.8	62
7	Automated Diagnosis of Alzheimer Disease using the Scale-Invariant Feature Transforms in Magnetic Resonance Images. <i>Journal of Medical Systems</i> , 2012, 36, 995-1000.	2.2	51
8	Computer Aided Diagnosis System for multiple sclerosis disease based on phase to amplitude coupling in covert visual attention. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 169, 9-18.	2.6	46
9	Shape recognition based on Kernel-edit distance. <i>Computer Vision and Image Understanding</i> , 2010, 114, 1097-1103.	3.0	45
10	Gender-based eye movement differences in passive indoor picture viewing: An eye-tracking study. <i>Physiology and Behavior</i> , 2019, 206, 43-50.	1.0	45
11	Attention Decreases Phase-Amplitude Coupling, Enhancing Stimulus Discriminability in Cortical Area MT. <i>Frontiers in Neural Circuits</i> , 2015, 9, 82.	1.4	44
12	Underwater cable detection in the images using edge classification based on texture information. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 91, 309-317.	2.5	44
13	Functional and effective connectivity based features of EEG signals for object recognition. <i>Cognitive Neurodynamics</i> , 2019, 13, 555-566.	2.3	43
14	Continuous Force Decoding from Local Field Potentials of the Primary Motor Cortex in Freely Moving Rats. <i>Scientific Reports</i> , 2016, 6, 35238.	1.6	38
15	Improving the runtime of MRF based method for MRI brain segmentation. <i>Applied Mathematics and Computation</i> , 2015, 256, 808-818.	1.4	37
16	Working Memory Enhances Cortical Representations via Spatially Specific Coordination of Spike Times. <i>Neuron</i> , 2018, 97, 967-979.e6.	3.8	35
17	Granger causality analysis in combination with directed network measures for classification of MS patients and healthy controls using task-related fMRI. <i>Computers in Biology and Medicine</i> , 2019, 115, 103495.	3.9	33
18	The Beneficial or Harmful Effects of Computer Game Stress on Cognitive Functions of Players. <i>Basic and Clinical Neuroscience</i> , 2018, 9, 177-186.	0.3	31

#	ARTICLE	IF	CITATIONS
19	Routing information flow by separate neural synchrony frequencies allows for functionally labeled lines in higher primate cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12506-12515.	3.3	29
20	Decoding of Visual Attention from LFP Signals of Macaque MT. PLoS ONE, 2014, 9, e100381.	1.1	29
21	Classification of silhouettes using contour fragments. Computer Vision and Image Understanding, 2009, 113, 1017-1025.	3.0	26
22	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
23	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
24	Decoding of object categories from brain signals using cross frequency coupling methods. Biomedical Signal Processing and Control, 2016, 27, 60-67.	3.5	23
25	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
26	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
27	Attention strengthens across-trial pre-stimulus phase coherence in visual cortex, enhancing stimulus processing. Scientific Reports, 2020, 10, 4837.	1.6	23
28	Introducing a Comprehensive Framework to Measure Spike-LFP Coupling. Frontiers in Computational Neuroscience, 2018, 12, 78.	1.2	21
29	Feature selection using binary particle swarm optimization and support vector machines for medical diagnosis. Biomedizinische Technik, 2012, 57, 395-402.	0.9	19
30	Kernel Earth Mover's Distance for EEG Classification. Clinical EEG and Neuroscience, 2013, 44, 182-187.	0.9	19
31	A new method for epileptic seizure classification in EEG using adapted wavelet packets. , 2017, , .		19
32	Prefrontal lesions disrupt oscillatory signatures of spatiotemporal integration in working memory. Cortex, 2021, 138, 113-126.	1.1	18
33	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
34	Invariant texture classification using a spatial filter bank in multi-resolution analysis. Image and Vision Computing, 2016, 45, 1-10.	2.7	17
35	Diagnosis of multiple sclerosis from EEG signals using nonlinear methods. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 785-797.	1.4	17
36	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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37	Decoding covert visual attention based on phase transfer entropy. <i>Physiology and Behavior</i> , 2020, 222, 112932.	1.0	17
38	Brain-Computer-Spinal Interface Restores Upper Limb Function After Spinal Cord Injury. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1233-1242.	2.7	17
39	Shape Recognition and Retrieval Using String of Symbols. , 2006, , .		16
40	EEG phase patterns reflect the representation of semantic categories of objects. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 205-221.	1.6	16
41	EEG artifact rejection by extracting spatial and spatio-spectral common components. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109182.	1.3	16
42	Ensemble Regularized Common Spatio-Spectral Pattern (ensemble RCSSP) model for motor imagery-based EEG signal classification. <i>Computers in Biology and Medicine</i> , 2021, 135, 104546.	3.9	16
43	The Effect of Adaptation on the Tuning Curves of Rat Auditory Cortex. <i>PLoS ONE</i> , 2015, 10, e0115621.	1.1	16
44	AUTOMATIC LUNG NODULE DETECTION BASED ON STATISTICAL REGION MERGING AND SUPPORT VECTOR MACHINES. <i>Image Analysis and Stereology</i> , 2017, 36, 65.	0.4	16
45	Predicting the Cognitive States of the Subjects in Functional Magnetic Resonance Imaging Signals Using the Combination of Feature Selection Strategies. <i>Brain Topography</i> , 2012, 25, 129-135.	0.8	15
46	Predicting brain states associated with object categories from fMRI data. <i>Journal of Integrative Neuroscience</i> , 2014, 13, 645-667.	0.8	15
47	RDLPFC area of the brain encodes sentence polarity: a study using fMRI. <i>Brain Imaging and Behavior</i> , 2015, 9, 178-189.	1.1	15
48	Local field potentials are induced by visually evoked spiking activity in macaque cortical area MT. <i>Scientific Reports</i> , 2017, 7, 17110.	1.6	15
49	Segmentation of brain MR images using a proper combination of DCS based method with MRF. <i>Multimedia Tools and Applications</i> , 2018, 77, 8001-8018.	2.6	15
50	Strategic deployment of feature-based attentional gain in primate visual cortex. <i>PLoS Biology</i> , 2019, 17, e3000387.	2.6	15
51	Rotation invariant texture classification using extended wavelet channel combining and LL channel filter bank. <i>Knowledge-Based Systems</i> , 2016, 97, 75-88.	4.0	14
52	Classification of Low and High Schizotypy Levels via Evaluation of Brain Connectivity. <i>International Journal of Neural Systems</i> , 2022, 32, 2250013.	3.2	14
53	Recognition of amyotrophic lateral sclerosis disease using factorial hidden Markov model. <i>Biomedizinische Technik</i> , 2016, 61, 119-126.	0.9	13
54	Brain Control of an External Device by Extracting the Highest Force-Related Contents of Local Field Potentials in Freely Moving Rats. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 18-25.	2.7	13

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55	Neural Activity Predicts Reaction in Primates Long Before a Behavioral Response. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 207.	1.0	13
56	Adaptive Artifact Removal From Intracortical Channels for Accurate Decoding of a Force Signal in Freely Moving Rats. <i>Frontiers in Neuroscience</i> , 2019, 13, 350.	1.4	13
57	A hybrid method for the decoding of spatial attention using the MEG brain signals. <i>Biomedical Signal Processing and Control</i> , 2014, 10, 308-312.	3.5	12
58	State-Based Decoding of Force Signals From Multi-Channel Local Field Potentials. <i>IEEE Access</i> , 2020, 8, 159089-159099.	2.6	12
59	Regularized Partial Least Square Regression for Continuous Decoding in Brain-Computer Interfaces. <i>Neuroinformatics</i> , 2020, 18, 465-477.	1.5	12
60	The Effects of Fifa 2015 Computer Games on Changes in Cognitive, Hormonal and Brain Waves Functions of Young Men Volunteers. <i>Basic and Clinical Neuroscience</i> , 2015, 6, 193-201.	0.3	12
61	Semantic Category-Based Classification Using Nonlinear Features and Wavelet Coefficients of Brain Signals. <i>Cognitive Computation</i> , 2017, 9, 702-711.	3.6	11
62	Frequency-amplitude coupling: a new approach for decoding of attended features in covert visual attention task. <i>Neural Computing and Applications</i> , 2021, 33, 3487-3502.	3.2	11
63	Evaluation of local field potential signals in decoding of visual attention. <i>Cognitive Neurodynamics</i> , 2015, 9, 509-522.	2.3	10
64	Investigation of eye movement pattern parameters of individuals with different fluid intelligence. <i>Experimental Brain Research</i> , 2019, 237, 15-28.	0.7	10
65	Force decoding using local field potentials in primary motor cortex: PLS or Kalman filter regression?. <i>Physical and Engineering Sciences in Medicine</i> , 2020, 43, 175-186.	1.3	10
66	Prefrontal Lesions Disrupt Posterior Alpha-Gamma Coordination of Visual Working Memory Representations. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1798-1810.	1.1	10
67	A Review on Texture Analysis Methods in Biomedical Image Processing. <i>OMICS Journal of Radiology</i> , 2016, 05, .	0.0	9
68	Phase and amplitude coupling feature extraction and recognition of Ictal EEG using VMD. , 2017, , .		9
69	An enhanced HMAX model in combination with SIFT algorithm for object recognition. <i>Signal, Image and Video Processing</i> , 2020, 14, 425-433.	1.7	9
70	A neural correlate of visual feature binding in primate lateral prefrontal cortex. <i>NeuroImage</i> , 2021, 229, 117757.	2.1	9
71	Statistical algorithms for emotion classification via functional connectivity. <i>Journal of Integrative Neuroscience</i> , 2019, 18, 293.	0.8	9
72	Classification of epileptic EEG signals by wavelet based CFC. , 2018, , .		8

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73	Ratbot navigation using deep brain stimulation in ventral posteromedial nucleus. <i>Bioengineered</i> , 2019, 10, 250-260.	1.4	8
74	Task-specific modulation of PFC activity for matching-rule governed decision-making. <i>Brain Structure and Function</i> , 2021, 226, 443-455.	1.2	8
75	Shape Categorization Using String Kernels. <i>Lecture Notes in Computer Science</i> , 2006, , 297-305.	1.0	8
76	Alterations of Cognitive Functions Following Violent and Football Video Games in Young Male Volunteers: By Studying Brain Waves. <i>Basic and Clinical Neuroscience</i> , 2020, 11, 279-288.	0.3	8
77	Spatio-Spectral CCA (SS-CCA): A novel approach for frequency recognition in SSVEP-based BCI. <i>Journal of Neuroscience Methods</i> , 2022, 371, 109499.	1.3	8
78	Shape and texture clustering: Best estimate for the clusters number. <i>Image and Vision Computing</i> , 2009, 27, 1603-1614.	2.7	7
79	Analysis of folk music preference of people from different ethnic groups using kernel-based methods on EEG signals. <i>Applied Mathematics and Computation</i> , 2017, 307, 62-70.	1.4	7
80	Stimulus-Specific Adaptation Decreases the Coupling of Spikes to LFP Phase. <i>Frontiers in Neural Circuits</i> , 2019, 13, 44.	1.4	7
81	Rat Navigation by Stimulating Somatosensory Cortex. <i>Journal of Bionic Engineering</i> , 2019, 16, 931-942.	2.7	7
82	Adaptation effects of medial forebrain bundle micro-electrical stimulation. <i>Bioengineered</i> , 2019, 10, 78-86.	1.4	7
83	PSO-Based Optimal Selection of Zernike Moments for Target Discrimination in High-Resolution SAR Imagery. <i>Journal of the Indian Society of Remote Sensing</i> , 2014, 42, 483-493.	1.2	6
84	Epileptic seizure classification using novel entropy features applied on maximal overlap discrete wavelet packet transform of EEG signals. , 2017, , .		6
85	Adaptation Modulates Spike-Phase Coupling Tuning Curve in the Rat Primary Auditory Cortex. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 55.	1.2	6
86	Investigating the impact of mobile range electromagnetic radiation on the medial prefrontal cortex of the rat during working memory. <i>Behavioural Brain Research</i> , 2020, 391, 112703.	1.2	6
87	Dynamic theta-modulated high frequency oscillations in rat medial prefrontal cortex during spatial working memory task. <i>Physiology and Behavior</i> , 2022, 254, 113912.	1.0	6
88	Advantages and Disadvantages of Resting State Functional Connectivity Magnetic Resonance Imaging for Clinical Applications. <i>OMICS Journal of Radiology</i> , 2014, 3, .	0.0	5
89	Differences of eye movement pattern in natural and man-made scenes and image categorization with the help of these patterns. <i>Journal of Integrative Neuroscience</i> , 2016, 15, 37-54.	0.8	5
90	Analysis of brain functional connectivity network in MS patients constructed by modular structure of sparse weights from cognitive task-related fMRI. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 921-938.	1.4	5

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91	Single-Trial Decoding from Local Field Potential Using Bag of Word Representation. Brain Topography, 2020, 33, 10-21.	0.8	5
92	Regularized Kalman filter for brain-computer interfaces using local field potential signals. Journal of Neuroscience Methods, 2021, 350, 109022.	1.3	5
93	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
94	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
95	Solve the Rubik's cube with robot based on non-invasive brain computer interface. , 2014, , .		4
96	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
97	Decoding Adaptive Visuomotor Behavior Mediated by Non-linear Phase Coupling in Macaque Area MT. Frontiers in Neuroscience, 2020, 14, 230.	1.4	4
98	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
99	Single-Trial Decoding of Motion Direction During Visual Attention From Local Field Potential Signals. IEEE Access, 2021, 9, 66450-66461.	2.6	4
100	Neural Monitoring With CMOS Image Sensors. Basic and Clinical Neuroscience, 2018, 9, 227-235.	0.3	4
101	fMRI: Clinical and Research Applications. OMICS Journal of Radiology, 2013, 01, .	0.0	3
102	Attention enhances stimulus representations in macaque visual cortex without affecting their signal-to-noise level. Scientific Reports, 2016, 6, 27666.	1.6	3
103	DCS-SVM: a novel semi-automated method for human brain MR image segmentation. Biomedizinische Technik, 2017, 62, 581-590.	0.9	3
104	A high performance steady state visual evoked potential BCI system based on variational mode decomposition. , 2018, , .		3
105	Wi-Fi RSS-based Indoor Localization Using Reduced Features Second Order Discriminant Function. , 2019, , .		3
106	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
107	A Template-Based Sequential Algorithm for Online Clustering of Spikes in Extracellular Recordings. Cognitive Computation, 2020, 12, 542-552.	3.6	3
108	EEG Signature of Object Categorization from Event-related Potentials. Journal of Medical Signals and Sensors, 2013, 3, 37-44.	0.5	3

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109	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
110	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
111	Automatic ROI Detection in Lumbar Spine MRI. , 2018, , .		2
112	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
113	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
114	GMMPLS: A Novel Automatic State-Based Algorithm for Continuous Decoding in BMIs. IEEE Access, 2021, 9, 148756-148770.	2.6	2
115	Estimation of neural firing rate: the wavelet density estimation approach. Biomedizinische Technik, 2013, 58, 377-86.	0.9	1
116	Feature level combination for object recognition. , 2014, , .		1
117	Sensory representation of visual stimuli in the coupling of low-frequency phase to spike times. Brain Structure and Function, 2022, , 1.	1.2	1
118	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
119	Combining Generalized Eigenvalue Decomposing with Laplacian Filtering to Improve Cortical Decoding Performance. , 2021, , .		0
120	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
121	Quantification of Spike-LFP Synchronization Based on Mathematical Function of Neural and Synthetic Data. , 2021, , .		0