

Hamid Soltanian-Zadeh

List of Publications by Year in Descending Order

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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.

320
papers

5,611
citations

37
h-index

63
g-index

416
ext. papers

6,799
ext. citations

4.4
avg, IF

5.8
L-index

#	Paper	IF	Citations
320	Dictionary learning for sparse representation of signals with hidden Markov model dependency 2022 , 123, 103420		0
319	Longitudinal clustering analysis and prediction of Parkinson's disease progression using radiomics and hybrid machine learning.. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022 , 12, 906-919	3.6	0
318	Multi-scale convolutional neural network for automated AMD classification using retinal OCT images.. <i>Computers in Biology and Medicine</i> , 2022 , 144, 105368	7	1
317	Deep Learning for Autism Diagnosis and Facial Analysis in Children.. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 789998	3.5	2
316	Prospective Quantitative Neuroimaging Analysis of Putative Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2021 , 12, 747580	4.1	0
315	EpistoNet: an ensemble of Epistocracy-optimized mixture of experts for detecting COVID-19 on chest X-ray images. <i>Scientific Reports</i> , 2021 , 11, 21564	4.9	1
314	Localizing Epileptic Foci Using Simultaneous EEG-fMRI Recording: Template Component Cross-Correlation. <i>Frontiers in Neurology</i> , 2021 , 12, 695997	4.1	0
313	Presurgical Language Mapping in Patients With Intractable Epilepsy: A Review Study.. <i>Basic and Clinical Neuroscience</i> , 2021 , 12, 163-176	1.4	0
312	Localization of Epileptic Foci Based on Simultaneous EEG-fMRI Data. <i>Frontiers in Neurology</i> , 2021 , 12, 645594	4.1	4
311	The effect of groupness constraint on the sensitivity and specificity of canonical correlation analysis, a multi-modal anatomical and functional MRI study. <i>Biomedical Signal Processing and Control</i> , 2021 , 68, 102698	4.9	
310	Localizing confined epileptic foci in patients with an unclear focus or presumed multifocality using a component-based EEG-fMRI method. <i>Cognitive Neurodynamics</i> , 2021 , 15, 207-222	4.2	9
309	Robust identification of Parkinson's disease subtypes using radiomics and hybrid machine learning. <i>Computers in Biology and Medicine</i> , 2021 , 129, 104142	7	10
308	Linking Brain Biology to Intellectual Endowment: A Review on the Associations of Human Intelligence With Neuroimaging Data. <i>Basic and Clinical Neuroscience</i> , 2021 , 12, 1-28	1.4	2
307	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021 , 31, 102765	5.3	8
306	Epistocracy Algorithm: A Novel Hyper-heuristic Optimization Strategy for Solving Complex Optimization Problems. <i>Lecture Notes in Networks and Systems</i> , 2021 , 408-426	0.5	1
305	rsfMRI based evidence for functional connectivity alterations in adults with developmental stuttering. <i>Heliyon</i> , 2021 , 7, e07855	3.6	
304	Blind separation of sparse sources from nonlinear mixtures 2021 , 118, 103220		

303	Effect of parental depressive symptoms on offspring's brain structure and function: A systematic review of neuroimaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 131, 451-465	9	1
302	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , 2020 ,	5.9	18
301	Global Data-Driven Analysis of Brain Connectivity During Emotion Regulation by Electroencephalography Neurofeedback. <i>Brain Connectivity</i> , 2020 , 10, 302-315	2.7	2
300	Improved dynamic connection detection power in estimated dynamic functional connectivity considering multivariate dependencies between brain regions. <i>Human Brain Mapping</i> , 2020 , 41, 4264-4287	5.9	3
299	Multimodal data analysis of epileptic EEG and rs-fMRI via deep learning and edge computing. <i>Artificial Intelligence in Medicine</i> , 2020 , 104, 101813	7.4	33
298	Enhancing performance of subject-specific models via subject-independent information for SSVEP-based BCIs. <i>PLoS ONE</i> , 2020 , 15, e0226048	3.7	4
297	A Combination of Particle Swarm Optimization and Minkowski Weighted K-Means Clustering: Application in Lateralization of Temporal Lobe Epilepsy. <i>Brain Topography</i> , 2020 , 33, 519-532	4.3	4
296	Automatic Detection of Coronavirus (COVID-19) from Chest CT Images using VGG16-Based Deep-Learning 2020 ,		3
295	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020 , 6,	14.3	18
294	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020 , 143, 2454-2473	11.2	32
293	White matter microstructural differences between right and left mesial temporal lobe epilepsy. <i>Acta Neurologica Belgica</i> , 2020 , 120, 1323-1331	1.5	6
292	Separation of static and dynamic sources in absence epileptic seizures using depth cortical measurements. <i>Signal Processing</i> , 2020 , 166, 107235	4.4	
291	Enhancing performance of subject-specific models via subject-independent information for SSVEP-based BCIs 2020 , 15, e0226048		
290	Enhancing performance of subject-specific models via subject-independent information for SSVEP-based BCIs 2020 , 15, e0226048		
289	Enhancing performance of subject-specific models via subject-independent information for SSVEP-based BCIs 2020 , 15, e0226048		
288	Enhancing performance of subject-specific models via subject-independent information for SSVEP-based BCIs 2020 , 15, e0226048		
287	A dictionary learning approach for spatio-temporal characterization of absence seizures. <i>Physiological Measurement</i> , 2019 , 40, 105008	2.9	
286	Epileptic Seizure Prediction Using Spectral Entropy-Based Features of EEG 2019 ,		5

285	Quantitative determination of concordance in localizing epileptic focus by component-based EEG-fMRI. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 177, 231-241	6.9	15
284	Component-related BOLD response to localize epileptic focus using simultaneous EEG-fMRI recordings at 3T. <i>Journal of Neuroscience Methods</i> , 2019 , 322, 34-49	3	9
283	Overlapping brain Community detection using Bayesian tensor decomposition. <i>Journal of Neuroscience Methods</i> , 2019 , 318, 47-55	3	4
282	Artificial Neural Network-Based Prediction of Outcome in Parkinson's Disease Patients Using DaTscan SPECT Imaging Features. <i>Molecular Imaging and Biology</i> , 2019 , 21, 1165-1173	3.8	15
281	White matter correlates of disease duration in patients with temporal lobe epilepsy: updated review of literature. <i>Neurological Sciences</i> , 2019 , 40, 1209-1216	3.5	3
280	Machine Learning Based Analysis of Structural MRI for Epilepsy Diagnosis 2019 ,		2
279	Epilepsy Presurgical Evaluation of Patients with Complex Source Localization by a Novel Component-Based EEG-fMRI Approach. <i>Iranian Journal of Radiology</i> , 2019 , 16,	1.4	7
278	Algorithmic Analysis of Clinical, Neuropsychological, and Imaging Data in Localization-Related Epilepsy. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2019 , 46-79	0.3	
277	Multimodal Analysis in Biomedicine 2019 , 193-203		1
276	Geometry-based solution of joint diagonalisation in blind source separation. <i>IET Signal Processing</i> , 2019 , 13, 755-765	1.7	0
275	Multichannel blind deconvolution via maximum likelihood estimator: application in neural recordings. <i>Inverse Problems</i> , 2019 , 35, 035001	2.3	0
274	Effect of 2D Image Resolution on 3D Stochastic Reconstruction and Developing Petrophysical Trend. <i>Transport in Porous Media</i> , 2018 , 125, 41-58	3.1	5
273	A Framework for Intracranial Saccular Aneurysm Detection and Quantification using Morphological Analysis of Cerebral Angiograms. <i>IEEE Access</i> , 2018 , 6, 7970-7986	3.5	4
272	Neonatal brain resting-state functional connectivity imaging modalities. <i>Photoacoustics</i> , 2018 , 10, 1-19	9	39
271	A time local subset feature selection for prediction of sudden cardiac death from ECG signal. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 1253-1270	3.1	25
270	Random ensemble learning for EEG classification. <i>Artificial Intelligence in Medicine</i> , 2018 , 84, 146-158	7.4	26
269	Contribution of Quantitative Amygdalar MR FLAIR Signal Analysis for Lateralization of Mesial Temporal Lobe Epilepsy. <i>Journal of Neuroimaging</i> , 2018 , 28, 666-675	2.8	4
268	Data mining MR image features of select structures for lateralization of mesial temporal lobe epilepsy. <i>PLoS ONE</i> , 2018 , 13, e0199137	3.7	7

267	Nonlinear effective connectivity measure based on adaptive Neuro Fuzzy Inference System and Granger Causality. <i>NeuroImage</i> , 2018 , 181, 382-394	7.9	14
266	Static and Dynamic Modeling of Absence Epileptic Seizures Using Depth Recordings. <i>Lecture Notes in Computer Science</i> , 2018 , 534-544	0.9	0
265	Spatiotemporal features of DCE-MRI for breast cancer diagnosis. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 155, 153-164	6.9	19
264	Structured and Sparse Canonical Correlation Analysis as a Brain-Wide Multi-Modal Data Fusion Approach. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 1438-1448	11.7	23
263	Multimodal Imaging in a Patient with Hemidystonia Responsive to GPI Deep Brain Stimulation. <i>Case Reports in Neurological Medicine</i> , 2017 , 2017, 9653520	0.7	1
262	2017 ,		27
261	Improved prediction of outcome in Parkinson's disease using radiomics analysis of longitudinal DAT SPECT images. <i>NeuroImage: Clinical</i> , 2017 , 16, 539-544	5.3	49
260	Multi-modal data fusion using group-structured sparse canonical correlation analysis: A simulation study 2017 ,		1
259	Classification of fNIRS based brain hemodynamic response to mental arithmetic tasks 2017 ,		5
258	Sparse registration of diffusion weighted images. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 151, 33-43	6.9	3
257	Optimized Deep Learning for EEG Big Data and Seizure Prediction BCI via Internet of Things. <i>IEEE Transactions on Big Data</i> , 2017 , 3, 392-404	3.2	79
256	Application of full set of two point correlation functions from a pair of 2D cut sections for 3D porous media reconstruction. <i>Journal of Petroleum Science and Engineering</i> , 2017 , 149, 789-800	4.4	21
255	Graph theoretical metrics and machine learning for diagnosis of Parkinson's disease using rs-fMRI 2017 ,		11
254	Topology tracking of static and dynamic networks based on structural equation models 2017 ,		2
253	Characterizing absence epileptic seizures from depth cortical measurements 2017 ,		2
252	A framework for dynamic restructuring of semantic video analysis systems based on learning attention control. <i>Image and Vision Computing</i> , 2016 , 53, 20-34	3.7	4
251	Application of MEG coherence in lateralization of mTLE. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 5925-5928	0.9	1
250	Discovering true association between multimodal data sets using structured and sparse canonical correlation analysis: A simulation study 2016 ,		3

249	TLE lateralization using whole brain structural connectivity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016</i> , 2016, 1103-1106	0.9	3
248	DTI-based response-driven modeling of mTLE laterality. <i>NeuroImage: Clinical, 2016</i> , 11, 694-706	5.3	19
247	Representation of higher-order statistical structures in natural scenes via spatial phase distributions. <i>Vision Research, 2016</i> , 120, 61-73	2.1	2
246	Locally Estimated Hemodynamic Response Function and Activation Detection Sensitivity in Heroin-Cue Reactivity Study. <i>Basic and Clinical Neuroscience, 2016</i> , 7, 299-314	1.4	2
245	Nonlinear Granger Causality using ANFIS for identification of causal couplings among EEG/MEG time series 2016 ,		1
244	Cloud-based deep learning of big EEG data for epileptic seizure prediction 2016 ,		44
243	Application of DTI connectivity in lateralization of mTLE. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016</i> , 2016, 5525-5528	0.9	3
242	Fusing Iris, Palmprint and Fingerprint in a Multi-biometric Recognition System 2016 ,		6
241	Comparative performance evaluation of automated segmentation methods of hippocampus from magnetic resonance images of temporal lobe epilepsy patients. <i>Medical Physics, 2016</i> , 43, 538	4.4	29
240	Medical image registration using sparse coding of image patches. <i>Computers in Biology and Medicine, 2016</i> , 73, 56-70	7	9
239	Robust Estimation and Tracking of Pitch Period Using an Efficient Bayesian Filter. <i>IEEE/ACM Transactions on Audio Speech and Language Processing, 2016</i> , 24, 1219-1229	3.6	11
238	MEG Coherence and DTI Connectivity in mTLE. <i>Brain Topography, 2016</i> , 29, 598-622	4.3	17
237	Simultaneous optimization of power and duration of radio-frequency pulse in PARACEST MRI. <i>Magnetic Resonance Imaging, 2016</i> , 34, 743-753	3.3	3
236	Controllable yawning expressed as focal seizures of frontal lobe epilepsy. <i>Epilepsy & Behavior Case Reports, 2016</i> , 6, 61-3	1.2	1
235	Integrated Analysis of EEG and fMRI Using Sparsity of Spatial Maps. <i>Brain Topography, 2016</i> , 29, 661-78	4.3	3
234	Interpolation of orientation distribution functions in diffusion weighted imaging using multi-tensor model. <i>Journal of Neuroscience Methods, 2015</i> , 253, 28-37	3	3
233	Instantaneous fundamental frequency estimation of non-stationary periodic signals using non-linear recursive filters. <i>IET Signal Processing, 2015</i> , 9, 143-153	1.7	12
232	Automated iterative reclustering framework for determining hierarchical functional networks in resting state fMRI. <i>Human Brain Mapping, 2015</i> , 36, 3303-22	5.9	6

231	A multistructural imaging marker for non-invasive lateralization of temporal lobe epilepsy 2015 ,		2
230	Resting State Functional Connectivity in Mild Traumatic Brain Injury at the Acute Stage: Independent Component and Seed-Based Analyses. <i>Journal of Neurotrauma</i> , 2015 , 32, 1031-45	5.4	87
229	Simple and reproducible linear measurements to determine ventricular enlargement in adults. <i>Surgical Neurology International</i> , 2015 , 6, 59	1	37
228	Adapting Medical Image Processing Tasks to a Scalable Scientific Workflow System 2014 ,		3
227	A Bayesian averaged response-driven multinomial model for lateralization of temporal lobe epilepsy 2014 ,		4
226	A hybrid method based on fuzzy clustering and local region-based level set for segmentation of inhomogeneous medical images. <i>Journal of Medical Systems</i> , 2014 , 38, 68	5.1	23
225	Derivation of attenuation map for attenuation correction of PET data in the presence of nanoparticulate contrast agents using spectral CT imaging. <i>Annals of Nuclear Medicine</i> , 2014 , 28, 559-70	2.5	2
224	Local feature fitting active contour for segmenting vessels in angiograms. <i>IET Computer Vision</i> , 2014 , 8, 161-170	1.4	16
223	Bias and Stability of Single Variable Classifiers for Feature Ranking and Selection. <i>Expert Systems With Applications</i> , 2014 , 14, 6945-6958	7.8	26
222	Lateralization of temporal lobe epilepsy using a novel uncertainty analysis of MR diffusion in hippocampus, cingulum, and fornix, and hippocampal volume and FLAIR intensity. <i>Journal of the Neurological Sciences</i> , 2014 , 342, 152-61	3.2	24
221	Degree of corticospinal tract damage correlates with motor function after stroke. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 891-9	5.3	36
220	Algorithmic Analysis of Clinical and Neuropsychological Data in Localization-Related Epilepsy. <i>International Journal of Computational Models and Algorithms in Medicine</i> , 2014 , 4, 33-58		
219	An analytical model for estimating water exchange rate in white matter using diffusion MRI. <i>PLoS ONE</i> , 2014 , 9, e95921	3.7	7
218	Statistical validation of automatic methods for hippocampus segmentation in MR images of epileptic patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 4707-10	0.9	8
217	Lateralization of temporal lobe epilepsy by multimodal multinomial hippocampal response-driven models. <i>Journal of the Neurological Sciences</i> , 2014 , 347, 107-18	3.2	15
216	Lateralization of temporal lobe epilepsy by imaging-based response-driven multinomial multivariate models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 4707-10	0.9	6
215	Support Vector Machine with nonlinear-kernel optimization for lateralization of epileptogenic hippocampus in MR images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1047-50	0.9	12
214	Robust vehicle tracking algorithm for nighttime videos captured by fixed cameras in highly reflective environments. <i>IET Computer Vision</i> , 2014 , 8, 535-544	1.4	14

213	Reference-based source separation method for identification of brain regions involved in a reference state from intracerebral EEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1983-92	5	6
212	Analysis of scalp EEG and quantitative MRI in cases of temporal lobe epilepsy requiring intracranial electrographic monitoring. <i>British Journal of Neurosurgery</i> , 2013 , 27, 221-7	1	2
211	Fast opposite weight learning rules with application in breast cancer diagnosis. <i>Computers in Biology and Medicine</i> , 2013 , 43, 32-41	7	56
210	K-edge ratio method for identification of multiple nanoparticulate contrast agents by spectral CT imaging. <i>British Journal of Radiology</i> , 2013 , 86, 20130308	3.4	11
209	The Corpus Callosum Wallerian Degeneration in the Unilateral Brain Tumors: Evaluation with Diffusion Tensor Imaging (DTI). <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2013 , 7, 320-5	0	10
208	Three cuts method for identification of COPD. <i>Acta Medica Iranica</i> , 2013 , 51, 771-8		4
207	Extended Kalman Filter frequency tracker for nonstationary harmonic signals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012 , 45, 126-132	4.6	38
206	Enhancing reproducibility of fMRI statistical maps using generalized canonical correlation analysis in NPAIRS framework. <i>NeuroImage</i> , 2012 , 60, 1970-81	7.9	20
205	Automatic segmentation of brain tumors in magnetic resonance images 2012 ,		7
204	Discriminative features for interictal epileptic discharges in intracerebral EEG signals 2012 ,		1
203	Automatic informative tissue discriminators in WCE 2012 ,		7
202	Sparse MEG source localization on parameterized cortical medial surface 2012 ,		1
201	Automatic organs detection in WCE 2012 ,		6
200	Polyp detection in Wireless Capsule Endoscopy images by using region-based active contour model 2012 ,		12
199	Effects of improved Adaptive Gamma Correction Method on Wireless Capsule Endoscopy images: Illumination compensation and edge detection 2012 ,		5
198	Retinal vessel segmentation using a multi-scale medialness function. <i>Computers in Biology and Medicine</i> , 2012 , 42, 50-60	7	26
197	Single channel speech separation in modulation frequency domain based on a novel pitch range estimation method. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	8
196	Connectivity analysis of novelty process in habitual short sleepers. <i>NeuroImage</i> , 2012 , 63, 1001-10	7.9	3

195	Face recognition: A Sparse Representation-based Classification using Independent Component Analysis 2012 ,		5
194	Segmentation of corpus callosum using diffusion tensor imaging: validation in patients with glioblastoma. <i>BMC Medical Imaging</i> , 2012 , 12, 10	2.9	16
193	Prediction of glioblastoma multiform response to bevacizumab treatment using multi-parametric MRI. <i>PLoS ONE</i> , 2012 , 7, e29945	3.7	14
192	Endothelial progenitor cells (EPCs) as gene carrier system for rat model of human glioma. <i>PLoS ONE</i> , 2012 , 7, e30310	3.7	25
191	Model selection for DCE-T1 studies in glioblastoma. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 241-51	4.4	60
190	Segmentation of multiple sclerosis lesions in MR images: a review. <i>Neuroradiology</i> , 2012 , 54, 299-320	3.2	92
189	A hybrid coherent-incoherent method of modulation filtering for Single Channel Speech Separation 2012 ,		2
188	Detection and Severity Scoring of Chronic Obstructive Pulmonary Disease Using Volumetric Analysis of Lung CT Images. <i>Iranian Journal of Radiology</i> , 2012 , 9, 22-7	1.4	11
187	Mesial temporal lobe epilepsy lateralization using SPHARM-based features of hippocampus and SVM 2012 ,		4
186	Clustering method for estimating principal diffusion directions. <i>NeuroImage</i> , 2011 , 57, 825-38	7.9	5
185	Hippocampal volumetry for lateralization of temporal lobe epilepsy: automated versus manual methods. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S218-26	7.9	55
184	Evaluation of fiber bundles across subjects through brain mapping and registration of diffusion tensor data. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S165-75	7.9	8
183	Atlas-based fiber bundle segmentation using principal diffusion directions and spherical harmonic coefficients. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S146-64	7.9	18
182	Semi-automatic epilepsy spike detection from EEG signal using Genetic Algorithm and Wavelet transform 2011 ,		7
181	Sport Video Classification Using an Ensemble Classifier 2011 ,		7
180	Tract based spatial statistical analysis and voxel based morphometry of diffusion indices in temporal lobe epilepsy. <i>Computers in Biology and Medicine</i> , 2011 , 41, 1082-91	7	24
179	Development of a variational scheme for model inversion of multi-area model of brain. Part I: simulation evaluation. <i>Mathematical Biosciences</i> , 2011 , 229, 64-75	3.9	2
178	Development of a variational scheme for model inversion of multi-area model of brain. Part II: VBEM method. <i>Mathematical Biosciences</i> , 2011 , 229, 76-92	3.9	2

177	Identification of brain regions involved in epilepsy using common spatial pattern 2011 ,		2
176	Three-dimensional volumetric measurements and analysis of the maxillary sinus. <i>American Journal of Rhinology and Allergy</i> , 2011 , 25, 152-6	2.4	17
175	Influence of brain-derived neurotrophic factor and apolipoprotein E genetic variants on hemispheric and lateral ventricular volume of young healthy adults. <i>Acta Neuropsychiatrica</i> , 2011 , 23, 132-8	3.9	8
174	Evaluation of diffusion models of fiber tracts using diffusion tensor magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 1175-85	3.3	3
173	Directed differential connectivity graph of interictal epileptiform discharges. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 884-93	5	19
172	Dataset of magnetic resonance images of nonepileptic subjects and temporal lobe epilepsy patients for validation of hippocampal segmentation techniques. <i>Neuroinformatics</i> , 2011 , 9, 335-46	3.2	25
171	A mutual information-based metric for evaluation of fMRI data-processing approaches. <i>Human Brain Mapping</i> , 2011 , 32, 699-715	5.9	15
170	Quantitative multi-compartmental SPECT image analysis for lateralization of temporal lobe epilepsy. <i>Epilepsy Research</i> , 2011 , 95, 35-50	3	15
169	A novel method for identification of COPD in inspiratory and expiratory states of CT images 2011 ,		2
168	Ball Detection with the Aim of Corner Event Detection in Soccer Video 2011 ,		5
167	Confident Surgical Decision Making in Temporal Lobe Epilepsy by Heterogeneous Classifier Ensembles 2011 , 2011, 1003-1009		2
166	Automatic recognition of five types of white blood cells in peripheral blood. <i>Computerized Medical Imaging and Graphics</i> , 2011 , 35, 333-43	7.6	166
165	Improved particle swarm optimization and applications to Hidden Markov Model and Ackley function 2011 ,		6
164	Diffusion kurtosis imaging discriminates patients with white matter lesions from healthy subjects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 2796-9	0.9	6
163	Information Theoretic Hierarchical Clustering. <i>Entropy</i> , 2011 , 13, 450-465	2.8	7
162	Neuronal spike train analysis in likelihood space. <i>PLoS ONE</i> , 2011 , 6, e21256	3.7	4
161	Predicting final extent of ischemic infarction using artificial neural network analysis of multi-parametric MRI in patients with stroke. <i>PLoS ONE</i> , 2011 , 6, e22626	3.7	37
160	Differentiation of glioma and radiation injury in rats using in vitro produce magnetically labeled cytotoxic T-cells and MRI. <i>PLoS ONE</i> , 2010 , 5, e9365	3.7	16

159	Two-stage multishape segmentation of brain structures using image intensity, tissue type, and location information. <i>Medical Physics</i> , 2010 , 37, 4501-16	4.4	4
158	Comparison of five directed graph measures for identification of leading interictal epileptic regions. <i>Physiological Measurement</i> , 2010 , 31, 1529-46	2.9	11
157	Extended Kalman filtering of point process observation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 6670-3	0.9	2
156	Comparison of voxel-based morphometry (VBM) and tractography of diffusion tensor MRI (DT-MRI) in temporal lobe epilepsy 2010 ,		2
155	Determination of pitch range based on onset and offset analysis in modulation frequency domain 2010 ,		2
154	Data-guide for brain deformation in surgery: comparison of linear and nonlinear models. <i>BioMedical Engineering OnLine</i> , 2010 , 9, 51	4.1	3
153	Noise and Outlier Filtering in Heterogeneous Medical Data Sources 2010 ,		3
152	FLAIR signal and texture analysis for lateralizing mesial temporal lobe epilepsy. <i>NeuroImage</i> , 2010 , 49, 1559-71	7.9	46
151	Multi-area neural mass modeling of EEG and MEG signals. <i>NeuroImage</i> , 2010 , 52, 793-811	7.9	36
150	Attribute ranking for lateralizing focal epileptogenicity in temporal lobe epilepsy 2010 ,		2
149	Cardiac Cine MRI using Compressive Sensing principles 2010 ,		1
148	Consensus Feature Ranking in Datasets with Missing Values 2010 ,		3
147	Spectral clustering of resting state fMRI reveals default mode network with specifically reduced network homogeneity in major depression 2010 ,		1
146	Single channel speech separation with a frame-based pitch range estimation method in modulation frequency 2010 ,		6
145	Multi-scale approach for retinal vessel segmentation using medialness function 2010 ,		4
144	A new scheme for evaluation of air-trapping in CT images 2010 ,		2
143	Robust Iris Verification Based on Local and Global Variations. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	3
142	Effect of classifiers in consensus feature ranking for biomedical datasets 2010 ,		6

141	Level set fiber bundle segmentation using spherical harmonic coefficients. <i>Computerized Medical Imaging and Graphics</i> , 2010 , 34, 192-202	7.6	8
140	Three-dimensional coupled-object segmentation using symmetry and tissue type information. <i>Computerized Medical Imaging and Graphics</i> , 2010 , 34, 236-49	7.6	2
139	Selection-Fusion Approach for Classification of Datasets with Missing Values. <i>Pattern Recognition</i> , 2010 , 43, 2340-2350	7.7	28
138	Pigment Melanin: Pattern for Iris Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 792-804	5.2	71
137	Web-based interactive 2D/3D medical image processing and visualization software. <i>Computer Methods and Programs in Biomedicine</i> , 2010 , 98, 172-82	6.9	50
136	Quantitative evaluation of optimal imaging parameters for single-cell detection in MRI using simulation. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 408-17	3.3	5
135	Computer aided selection in breeding programs using genetic algorithm in MATLAB program. <i>Spanish Journal of Agricultural Research</i> , 2010 , 8, 672	1.1	2
134	Polar Run-Length Features in Segmentation of Retinal Blood Vessels 2009 ,		1
133	Gait Recognition Using Wavelet Packet Silhouette Representation and Transductive Support Vector Machines 2009 ,		15
132	Automatic segmentation of brain structures using geometric moment invariants and artificial neural networks. <i>Lecture Notes in Computer Science</i> , 2009 , 21, 326-37	0.9	11
131	Assessment of the wavelet transform in reduction of noise from simulated PET images. <i>Journal of Nuclear Medicine Technology</i> , 2009 , 37, 223-8	1.1	5
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