

Hamid Soltanian-Zadeh

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.

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	Correlation of VEGF and angiopoietin expression with disruption of blood-brain barrier and angiogenesis after focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 379-392	7.3	362
319	Radon transform orientation estimation for rotation invariant texture analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 1004-8	13.3	247
318	Automated segmentation and classification of high throughput yeast assay spots. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1401-11	11.7	190
317	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
316	Comparison of multiwavelet, wavelet, Haralick, and shape features for microcalcification classification in mammograms. <i>Pattern Recognition</i> , 2004 , 37, 1973-1986	7.7	132
315	Multiwavelet grading of pathological images of prostate. <i>IEEE Transactions on Biomedical Engineering</i> , 2003 , 50, 697-704	5	123
314	Image retrieval based on shape similarity by edge orientation autocorrelogram. <i>Pattern Recognition</i> , 2003 , 36, 1725-1736	7.7	113
313	Rotation-invariant multiresolution texture analysis using radon and wavelet transforms. <i>IEEE Transactions on Image Processing</i> , 2005 , 14, 783-95	8.7	100
312	Segmentation of multiple sclerosis lesions in MR images: a review. <i>Neuroradiology</i> , 2012 , 54, 299-320	3.2	92
311	Time course of ADCw changes in ischemic stroke: beyond the human eye!. <i>Stroke</i> , 1998 , 29, 1778-82	6.7	92
310	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
309	Registration and warping of magnetic resonance images to histological sections. <i>Medical Physics</i> , 1999 , 26, 1568-78	4.4	85
308	A three-dimensional deformable model for segmentation of human prostate from ultrasound images. <i>Medical Physics</i> , 2001 , 28, 2147-53	4.4	83
307	Quantification of superparamagnetic iron oxide (SPIO)-labeled cells using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 366-74	5.6	81
306	Multiparametric MRI tissue characterization in clinical stroke with correlation to clinical outcome: part 2. <i>Stroke</i> , 2001 , 32, 950-7	6.7	81
305	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
304	Unsupervised segmentation of multiparameter MRI in experimental cerebral ischemia with comparison to T2, diffusion, and ADC MRI parameters and histopathological validation. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 11, 425-37	5.6	78

303	Pigment Melanin: Pattern for Iris Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 792-804	5.2	71
302	A model for multiparametric mri tissue characterization in experimental cerebral ischemia with histological validation in rat: part 1. <i>Stroke</i> , 2001 , 32, 943-9	6.7	71
301	An image analysis approach for automatic malignancy determination of prostate pathological images. <i>Cytometry Part B - Clinical Cytometry</i> , 2007 , 72, 227-40	3.4	69
300	Model selection for DCE-T1 studies in glioblastoma. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 241-51	4.4	60
299	A comparative analysis of several transformations for enhancement and segmentation of magnetic resonance image scene sequences. <i>IEEE Transactions on Medical Imaging</i> , 1992 , 11, 302-18	11.7	59
298	Fast opposite weight learning rules with application in breast cancer diagnosis. <i>Computers in Biology and Medicine</i> , 2013 , 43, 32-41	7	56
297	Measurement of quantity of iron in magnetically labeled cells: comparison among different UV/VIS spectrometric methods. <i>BioTechniques</i> , 2007 , 43, 627-8, 630, 632 passim	2.5	56
296	Hippocampal volumetry for lateralization of temporal lobe epilepsy: automated versus manual methods. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S218-26	7.9	55
295	Integrated MEG/EEG and fMRI model based on neural masses. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 1794-801	5	53
294	A multidimensional nonlinear edge-preserving filter for magnetic resonance image restoration. <i>IEEE Transactions on Image Processing</i> , 1995 , 4, 147-61	8.7	51
293	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
292	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
291	FLAIR signal and texture analysis for lateralizing mesial temporal lobe epilepsy. <i>NeuroImage</i> , 2010 , 49, 1559-71	7.9	46
290	Cloud-based deep learning of big EEG data for epileptic seizure prediction 2016 ,		44
289	Neonatal brain resting-state functional connectivity imaging modalities. <i>Photoacoustics</i> , 2018 , 10, 1-19	9	39
288	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
287	Segmentation of the hippocampus from brain MRI using deformable contours. <i>Computerized Medical Imaging and Graphics</i> , 1998 , 22, 203-16	7.6	38
286	Multiparametric MRI ISODATA ischemic lesion analysis: correlation with the clinical neurological deficit and single-parameter MRI techniques. <i>Stroke</i> , 2002 , 33, 2839-44	6.7	38

285	Optimal linear transformation for MRI feature extraction. <i>IEEE Transactions on Medical Imaging</i> , 1996 , 15, 749-67	11.7	37
284	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
283	Simple and reproducible linear measurements to determine ventricular enlargement in adults. <i>Surgical Neurology International</i> , 2015 , 6, 59	1	37
282	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
281	Multi-area neural mass modeling of EEG and MEG signals. <i>NeuroImage</i> , 2010 , 52, 793-811	7.9	36
280	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
279	A fast and accurate algorithm for volume determination in MRI. <i>Medical Physics</i> , 1992 , 19, 599-605	4.4	33
278	Automatic segmentation of thalamus from brain MRI integrating fuzzy clustering and dynamic contours. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 800-11	5	32
277	. <i>IEEE Transactions on Nuclear Science</i> , 1993 , 40, 1204-1212	1.7	32
276	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020 , 143, 2454-2473	11.2	32
275	MRI tissue characterization of experimental cerebral ischemia in rat. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 398-409	5.6	31
274	Cerebral tumor volume calculations using planimetric and eigenimage analysis. <i>Medical Physics</i> , 1996 , 23, 2035-42	4.4	31
273	AC133+ progenitor cells as gene delivery vehicle and cellular probe in subcutaneous tumor models: a preliminary study. <i>BMC Biotechnology</i> , 2009 , 9, 28	3.5	29
272	Comparative performance evaluation of automated segmentation methods of hippocampus from magnetic resonance images of temporal lobe epilepsy patients. <i>Medical Physics</i> , 2016 , 43, 538	4.4	29
271	Selection-Fusion Approach for Classification of Datasets with Missing Values. <i>Pattern Recognition</i> , 2010 , 43, 2340-2350	7.7	28
270	A 3D deformable surface model for segmentation of objects from volumetric data in medical images. <i>Computers in Biology and Medicine</i> , 1998 , 28, 239-53	7	28
269	2017 ,		27
268	Multiparametric ISODATA analysis of embolic stroke and rt-PA intervention in rat. <i>Journal of the Neurological Sciences</i> , 2004 , 223, 135-43	3.2	27

267	Random ensemble learning for EEG classification. <i>Artificial Intelligence in Medicine</i> , 2018 , 84, 146-158	7.4	26
266	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
265	Retinal vessel segmentation using a multi-scale medialness function. <i>Computers in Biology and Medicine</i> , 2012 , 42, 50-60	7	26
264	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
263	Endothelial progenitor cells (EPCs) as gene carrier system for rat model of human glioma. <i>PLoS ONE</i> , 2012 , 7, e30310	3.7	25
262	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
261	Neural network and fuzzy clustering approach for automatic diagnosis of coronary artery disease in nuclear medicine. <i>IEEE Transactions on Nuclear Science</i> , 2004 , 51, 184-192	1.7	25
260	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
259	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
258	Automatic landmark extraction from image data using modified growing neural gas network. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2003 , 7, 77-85		24
257	Error propagation in eigenimage filtering. <i>IEEE Transactions on Medical Imaging</i> , 1990 , 9, 405-20	11.7	24
256	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
255	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
254	A multiresolution approach for contour extraction from brain images. <i>Medical Physics</i> , 1997 , 24, 1844-53	4.4	23
253	Brain tumor segmentation and characterization by pattern analysis of multispectral NMR images. <i>NMR in Biomedicine</i> , 1998 , 11, 201-8	4.4	23
252	A signal subspace approach for modeling the hemodynamic response function in fMRI. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 835-43	3.3	23
251	A New Approach to White Blood Cell Nucleus Segmentation Based on Gram-Schmidt Orthogonalization 2009 ,		22
250	Microvascular structure after embolic focal cerebral ischemia in the rat. <i>Brain Research</i> , 2003 , 972, 31-7	3.7	22

249	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
248	Identification of cerebral ischemic lesions in rat using Eigenimage filtered magnetic resonance imaging. <i>Brain Research</i> , 1999 , 837, 83-94	3.7	21
247	Enhancing reproducibility of fMRI statistical maps using generalized canonical correlation analysis in NPAIRS framework. <i>NeuroImage</i> , 2012 , 60, 1970-81	7.9	20
246	DTI-based response-driven modeling of mTLE laterality. <i>NeuroImage: Clinical</i> , 2016 , 11, 694-706	5.3	19
245	Directed differential connectivity graph of interictal epileptiform discharges. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 884-93	5	19
244	Effects of ferumoxides-protamine sulfate labeling on immunomodulatory characteristics of macrophage-like THP-1 cells. <i>PLoS ONE</i> , 2008 , 3, e2499	3.7	19
243	Content-based image database system for epilepsy. <i>Computer Methods and Programs in Biomedicine</i> , 2005 , 79, 209-26	6.9	19
242	Predicting final infarct size using acute and subacute multiparametric MRI measurements in patients with ischemic stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 21, 495-502	5.6	19
241	Integrated MEG and fMRI model: synthesis and analysis. <i>Brain Topography</i> , 2005 , 18, 101-13	4.3	19
240	Novel and general approach to linear filter design for contrast-to-noise ratio enhancement of magnetic resonance images with multiple interfering features in the scene. <i>Journal of Electronic Imaging</i> , 1992 , 1, 171	0.7	19
239	Shape Analysis of Stroma for Iris Recognition. <i>Lecture Notes in Computer Science</i> , 2007 , 790-799	0.9	19
238	Spatiotemporal features of DCE-MRI for breast cancer diagnosis. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 155, 153-164	6.9	19
237	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , 2020 ,	5.9	18
236	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
235	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020 , 6,	14.3	18
234	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
233	Snake modeling and distance transform approach to vascular centerline extraction and quantification. <i>Computerized Medical Imaging and Graphics</i> , 2003 , 27, 503-12	7.6	17
232	Optimization of MRI protocols and pulse sequence parameters for eigenimage filtering. <i>IEEE Transactions on Medical Imaging</i> , 1994 , 13, 161-75	11.7	17

231	MEG Coherence and DTI Connectivity in mTLE. <i>Brain Topography</i> , 2016 , 29, 598-622	4.3	17
230	Local feature fitting active contour for segmenting vessels in angiograms. <i>IET Computer Vision</i> , 2014 , 8, 161-170	1.4	16
229	Segmentation of corpus callosum using diffusion tensor imaging: validation in patients with glioblastoma. <i>BMC Medical Imaging</i> , 2012 , 12, 10	2.9	16
228	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
227	Feature space analysis of MRI. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 443-53	4.4	16
226	MRI-guided, open trial of abciximab for ischemic stroke within a 3- to 24-hour window. <i>Neurology</i> , 2005 , 65, 612-5	6.5	16
225	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
224	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
223	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
222	A mutual information-based metric for evaluation of fMRI data-processing approaches. <i>Human Brain Mapping</i> , 2011 , 32, 699-715	5.9	15
221	Quantitative multi-compartmental SPECT image analysis for lateralization of temporal lobe epilepsy. <i>Epilepsy Research</i> , 2011 , 95, 35-50	3	15
220	Gait Recognition Using Wavelet Packet Silhouette Representation and Transductive Support Vector Machines 2009 ,		15
219	Nonlinear effective connectivity measure based on adaptive Neuro Fuzzy Inference System and Granger Causality. <i>NeuroImage</i> , 2018 , 181, 382-394	7.9	14
218	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
217	Prediction of glioblastoma multiform response to bevacizumab treatment using multi-parametric MRI. <i>PLoS ONE</i> , 2012 , 7, e29945	3.7	14
216	Magnetically-labeled sensitized splenocytes to identify glioma by MRI: a preliminary study. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 519-26	4.4	14
215	Texture analysis of hippocampus for epilepsy 2003 , 5031, 279		14
214	Activation detection in fMRI using a maximum energy ratio statistic obtained by adaptive spatial filtering. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 795-805	11.7	14

213	Multiresolution fMRI activation detection using translation invariant wavelet transform and statistical analysis based on resampling. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 302-14	11.7	14
212	Integrated MEG/fMRI model validated using real auditory data. <i>Brain Topography</i> , 2008 , 21, 61-74	4.3	13
211	Controlling the false positive rate in fuzzy clustering using randomization: application to fMRI activation detection. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 631-8	3.3	13
210	Multiparametric iterative self-organizing MR imaging data analysis technique for assessment of tissue viability in acute cerebral ischemia. <i>American Journal of Neuroradiology</i> , 2004 , 25, 1499-508	4.4	13
209	Instantaneous fundamental frequency estimation of non-stationary periodic signals using non-linear recursive filters. <i>IET Signal Processing</i> , 2015 , 9, 143-153	1.7	12
208	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, 1847-50	0.9	12
207	Polyp detection in Wireless Capsule Endoscopy images by using region-based active contour model 2012 ,		12
206	Multiparametric iterative self-organizing data analysis of ischemic lesions using pre- or post-Gd T1 MRI. <i>Cerebrovascular Diseases</i> , 2007 , 23, 91-102	3.2	12
205	A Hierarchical Clustering Based on Mutual Information Maximization. <i>Proceedings International Conference on Image Processing</i> , 2007 ,	1.6	12
204	Boundary-based warping of brain MR images. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 12, 417-29	5.6	12
203	Graph theoretical metrics and machine learning for diagnosis of Parkinson's disease using rs-fMRI 2017 ,		11
202	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
201	Comparison of five directed graph measures for identification of leading interictal epileptic regions. <i>Physiological Measurement</i> , 2010 , 31, 1529-46	2.9	11
200	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
199	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
198	Model-independent method for fMRI analysis. <i>IEEE Transactions on Medical Imaging</i> , 2004 , 23, 285-96	11.7	11
197	Efficient center-line extraction for quantification of vessels in confocal microscopy images. <i>Medical Physics</i> , 2003 , 30, 204-11	4.4	11
196	Robust Estimation and Tracking of Pitch Period Using an Efficient Bayesian Filter. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2016 , 24, 1219-1229	3.6	11

195	A discrete curvature-based deformable surface model with application to segmentation of volumetric images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2002 , 6, 285-95		10
194	3-D quantification and visualization of vascular structures from confocal microscopic images using skeletonization and voxel-coding. <i>Computers in Biology and Medicine</i> , 2005 , 35, 791-813	7	10
193	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
192	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
191	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
190	Knowledge-based localization of hippocampus in human brain MRI. <i>Computers in Biology and Medicine</i> , 2007 , 37, 1342-60	7	9
189	Map-ISODATA demarcates regional response to combination rt-PA and 7E3 F(ab) ₂ treatment of embolic stroke in the rat. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 21, 726-34	5.6	9
188	Medical image registration using sparse coding of image patches. <i>Computers in Biology and Medicine</i> , 2016 , 73, 56-70	7	9
187	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
186	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
185	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
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	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
182	Level set fiber bundle segmentation using spherical harmonic coefficients. <i>Computerized Medical Imaging and Graphics</i> , 2010 , 34, 192-202	7.6	8
181	Semisupervised segmentation of MRI stroke studies 1997 ,		8
180	Shape-based and texture-based feature extraction for classification of microcalcifications in mammograms 2001 ,		8
179	Fast skeletonization algorithm for 3D elongated objects 2001 , 4322, 323		8
178	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

177	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
176	An analytical model for estimating water exchange rate in white matter using diffusion MRI. <i>PLoS ONE</i> , 2014 , 9, e95921	3.7	7
175	Automatic segmentation of brain tumors in magnetic resonance images 2012 ,		7
174	Automatic informative tissue discriminators in WCE 2012 ,		7
173	Semi-automatic epilepsy spike detection from EEG signal using Genetic Algorithm and Wavelet transform 2011 ,		7
172	Sport Video Classification Using an Ensemble Classifier 2011 ,		7
171	Information Theoretic Hierarchical Clustering. <i>Entropy</i> , 2011 , 13, 450-465	2.8	7
170	Feature space analysis: effects of MRI protocols. <i>Medical Physics</i> , 2001 , 28, 2344-51	4.4	7
169	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
168	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
167	Automated iterative reclustering framework for determining hierarchical functional networks in resting state fMRI. <i>Human Brain Mapping</i> , 2015 , 36, 3303-22	5.9	6
166	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, 5525-8	0.9	6
165	Automatic organs detection in WCE 2012 ,		6
164	Single channel speech separation with a frame-based pitch range estimation method in modulation frequency 2010 ,		6
163	Improved particle swarm optimization and applications to Hidden Markov Model and Ackley function 2011 ,		6
162	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
161	Effect of classifiers in consensus feature ranking for biomedical datasets 2010 ,		6
160	Characterization of cerebral tissue by MRI map ISODATA in embolic stroke in rat. <i>Brain Research</i> , 2006 , 1084, 202-9	3.7	6

159	Flaw detection improvement of digitised radiographs by morphological transformations. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2005 , 47, 625-630	1.3	6
158	Mathematical basis of eigenimage filtering. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 465-7	4.4	6
157	Noisy Iris Verification: A Modified Version of Local Intensity Variation Method. <i>Lecture Notes in Computer Science</i> , 2009 , 1150-1159	0.9	6
156	Fusing Iris, Palmprint and Fingerprint in a Multi-biometric Recognition System 2016 ,		6
155	White matter microstructural differences between right and left mesial temporal lobe epilepsy. <i>Acta Neurologica Belgica</i> , 2020 , 120, 1323-1331	1.5	6
154	Epileptic Seizure Prediction Using Spectral Entropy-Based Features of EEG 2019 ,		5
153	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
152	Classification of fNIRS based brain hemodynamic response to mental arithmetic tasks 2017 ,		5
151	Effects of improved Adaptive Gamma Correction Method on Wireless Capsule Endoscopy images: Illumination compensation and edge detection 2012 ,		5
150	Face recognition: A Sparse Representation-based Classification using Independent Component Analysis 2012 ,		5
149	Clustering method for estimating principal diffusion directions. <i>NeuroImage</i> , 2011 , 57, 825-38	7.9	5
148	Ball Detection with the Aim of Corner Event Detection in Soccer Video 2011 ,		5
147	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
146	Fixed and random effect analysis of multi-subject fMRI data using wavelet transform. <i>Journal of Neuroscience Methods</i> , 2009 , 176, 237-45	3	5
145	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
144	Automated Segmentation and Classification of High Throughput Yeast Assay Spots. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1401-1411	11.7	5
143	Microcalcification classification in mammograms using multiwavelet features 1999 , 3813, 832		5
142	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

141	Overlapping brain Community detection using Bayesian tensor decomposition. <i>Journal of Neuroscience Methods</i> , 2019 , 318, 47-55	3	4
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