Automatic segmentation of non-enhancing brain tumor

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Citation Report

#	Article	IF	CITATIONS
2	Tumor volume measurement for nasopharyngeal carcinoma using knowledge-based fuzzy clustering MRI segmentation. , 2002, , .		4
3	A generic knowledge-guided image segmentation and labeling system using fuzzy clustering algorithms. IEEE Transactions on Systems, Man, and Cybernetics, 2002, 32, 571-582.	5.0	35
4	Multiresolution-Based Segmentation of Calcifications for the Early Detection of Breast Cancer. Real Time Imaging, 2002, 8, 237-252.	1.6	21
5	A Texture Combined Multispectral Magnetic Resonance Imaging Segmentation for Nasopharyngeal Carcinoma. Optical Review, 2003, 10, 405-410.	2.0	4
6	Segmentation and visualization of nasopharyngeal carcinoma using MRI. Computers in Biology and Medicine, 2003, 33, 407-424.	7.0	31
7	Fast accurate fuzzy clustering through data reduction. IEEE Transactions on Fuzzy Systems, 2003, 11, 262-270.	9.8	180
8	Segmentation of MR osteosarcoma images. , 0, , .		1
9	Nasopharyngeal Carcinoma Tumor Volume Measurement1ÂÂ. Radiology, 2004, 231, 914-921.	7.3	47
10	Automatic segmentation of brain MRI through learning by example. , 0, , .		3
11	Rapid and automatic detection of brain tumors in MR images. , 2004, 5369, 602.		15
12	Extraction of tongue carcinoma using genetic algorithm-induced fuzzy clustering and artificial neural network from MR images. , 2004, 2004, 1790-3.		4
13	Brain tumor target volume determination for radiation treatment planning through automated MRI segmentation. International Journal of Radiation Oncology Biology Physics, 2004, 59, 300-312.	0.8	177
14	A brain tumor segmentation framework based on outlier detection*1. Medical Image Analysis, 2004, 8, 275-283.	11.6	498
15	Tongue carcinoma: tumor volume measurement. International Journal of Radiation Oncology Biology Physics, 2004, 59, 59-66.	0.8	30
16	Segmentation of tumors in magnetic resonance brain images using an interactive multiscale watershed algorithm1. Academic Radiology, 2004, 11, 1125-1138.	2.5	55
17	A system for brain tumor volume estimation via MR imaging and fuzzy connectedness. Computerized Medical Imaging and Graphics, 2005, 29, 21-34.	5.8	111
18	Automatic MRI Meningioma Segmentation Using Estimation Maximization. , 2005, 2005, 3074-7.		7

19	Segmenting Brain	Tumors using Alignment-Based Features	s., 0, , .
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#	Article	IF	CITATIONS
20	Extraction of Brain Tumor from MR Images Using One-Class Support Vector Machine. , 2005, 2005, 6411-4.		61
21	Multilevel Segmentation and Integrated Bayesian Model Classification with an Application to Brain Tumor Segmentation. Lecture Notes in Computer Science, 2006, 9, 790-798.	1.3	32
22	An automated pixel classification method using surface expansion Application to MRI image sequence. , 2006, , .		2
23	Correlation between MR imaging–derived nasopharyngeal carcinoma tumor volume and TNM system. International Journal of Radiation Oncology Biology Physics, 2006, 64, 72-76.	0.8	29
24	ABNORMALITY DETECTION IN BRAIN MR IMAGES USING MINIMUM ERROR THRESHOLDING METHOD. International Journal of Computational Intelligence and Applications, 2006, 06, 177-191.	0.8	3
25	An automated pixel classification method using surface expansion Application to MRI image sequence. , 2006, , .		3
26	3D Variational Brain Tumor Segmentation using a High Dimensional Feature Set. , 2007, , .		63
27	Glioma Dynamics and Computational Models: A Review of Segmentation, Registration, and In Silico Growth Algorithms and their Clinical Applications. Current Medical Imaging, 2007, 3, 262-276.	0.8	93
28	Multimodal MRI segmentation of ischemic stroke lesions. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1595-8.	0.5	57
29	Automated MR image processing and analysis of malignant brain tumors: enabling technology for data mining. AIP Conference Proceedings, 2007, , .	0.4	0
30	Segmentation and grading of brain tumors on apparent diffusion coefficient images using self-organizing maps. Computerized Medical Imaging and Graphics, 2007, 31, 473-484.	5.8	73
31	Extraction of Metastatic Lymph Nodes from MR Images Using Two Deformable Model-based Approaches. Journal of Digital Imaging, 2007, 20, 336-346.	2.9	4
32	Efficient Multilevel Brain Tumor Segmentation With Integrated Bayesian Model Classification. IEEE Transactions on Medical Imaging, 2008, 27, 629-640.	8.9	348
33	Hierarchical segmentation of malignant gliomas via integrated contextual filter response. Proceedings of SPIE, 2008, , .	0.8	3
34	Lesion identification using unified segmentation-normalisation models and fuzzy clustering. NeuroImage, 2008, 41, 1253-1266.	4.2	335
35	Multiparametric Tissue Characterization of Brain Neoplasms and Their Recurrence Using Pattern Classification of MR Images. Academic Radiology, 2008, 15, 966-977.	2.5	171
36	Analysis of stroke Magnetic resonance images. , 2008, , .		0
37	CADrx for GBM Brain Tumors: Predicting Treatment Response from Changes in Diffusion-Weighted MRI. Algorithms, 2009, 2, 1350-1367.	2.1	8

		CITATION RE	PORT	
#	Article		IF	CITATIONS
38	Multispectral analysis of multimodal images. Acta Oncológica, 2009, 48, 277-284.		1.8	9
39	Automatic glioma characterization from dynamic susceptibility contrast imaging: Brain segmentation using knowledgeâ€based fuzzy clustering. Journal of Magnetic Resonand 30, 1-10.	tumor ce Imaging, 2009,	3.4	65
40	Nosologic imaging of the brain: segmentation and classification using MRI and MRSI. N Biomedicine, 2009, 22, 374-390.	MR in	2.8	49
41	HealthAgents: distributed multi-agent brain tumor diagnosis andÂprognosis. Applied In 30, 191-202.	telligence, 2009,	5.3	78
42	A Scalable Framework For Segmenting Magnetic Resonance Images. Journal of Signal P Systems, 2009, 54, 183-203.	rocessing	2.1	64
43	Semi-automated method for brain hematoma and edema quantification using compute Computerized Medical Imaging and Graphics, 2009, 33, 304-311.	ed tomography.	5.8	53
44	Fractal-based brain tumor detection in multimodal MRI. Applied Mathematics and Com 207, 23-41.	putation, 2009,	2.2	109
45	Novel segmentation algorithm in segmenting medical images. Journal of Systems and S 83, 2487-2495.	Software, 2010,	4.5	17
46	Effective fuzzy c-means based kernel function in segmenting medical images. Compute Medicine, 2010, 40, 572-579.	ers in Biology and	7.0	58
47	Hybrid intelligent techniques for MRI brain images classification. , 2010, 20, 433-441.			424
48	HYBRID APPROACH FOR BRAIN TUMOR SEGMENTATION IN MAGNETIC RESONANCE IN NEURAL NETWORKS AND OPTIMIZATION TECHNIQUES. International Journal of Compu Intelligence and Applications, 2010, 09, 17-31.	1AGES USING CELLULAR utational	0.8	6
49	Using Type-2 fuzzy function for diagnosing brain tumors based on image processing ap	pproach. , 2010, , .		2
50	Classification of MRI brain images using k-nearest neighbor and artificial neural networ	k.,2011,,.		46
51	Segmentation of brain tumors in MRI images using multi-scale gradient vector flow. , 2	011, 2011, 7973-6.		11
52	Multiclass Brain Tumor Classification Using GA-SVM. , 2011, , .			30
54	Tumor Detection in Brain Magnetic Resonance Images Using Modified Thresholding Tec Communications in Computer and Information Science, 2011, , 300-308.	chniques.	0.5	13
55	Segmentation of Brain Tumors in Multi-parametric MR Images via Robust Statistic Infor Propagation. Lecture Notes in Computer Science, 2011, , 606-617.	mation	1.3	4
56	Classification of brain tumors using PCA-ANN. , 2011, , .			30

#	Article	IF	CITATIONS
57	Computer aided system for brain tumor detection and segmentation. , 2011, , .		65
58	Brain Tumors: How Can Images and Segmentation Techniques Help?. , 0, , .		7
59	Clinical Assessment of the Response of Tumors to Treatment with MRI. , 2011, , 222-231.		0
60	Statistical Approach for Brain Cancer Classification Using a Region Growing Threshold. Journal of Medical Systems, 2011, 35, 463-471.	3.6	14
61	Systematic image processing for diagnosing brain tumors: A Type-II fuzzy expert system approach. Applied Soft Computing Journal, 2011, 11, 285-294.	7.2	99
62	Automatic segmentation of meningioma from non-contrasted brain MRI integrating fuzzy clustering and region growing. BMC Medical Informatics and Decision Making, 2011, 11, 54.	3.0	66
63	Robust kernel FCM in segmentation of breast medical images. Expert Systems With Applications, 2011, 38, 4382-4389.	7.6	68
64	A hybrid method for MRI brain image classification. Expert Systems With Applications, 2011, 38, 10049-10053.	7.6	279
65	Color anomaly detection and suggestion for wilderness search and rescue. , 2012, , .		11
66	Automatic segmentation framework for primary tumors from brain MRIs using morphological filtering techniques. , 2012, , .		15
67	Semi-Automatic Segmentation Software for Quantitative Clinical Brain Glioblastoma Evaluation. Academic Radiology, 2012, 19, 977-985.	2.5	33
68	GLISTR: Clioma Image Segmentation and Registration. IEEE Transactions on Medical Imaging, 2012, 31, 1941-1954.	8.9	181
69	Strong fuzzy c-means in medical image data analysis. Journal of Systems and Software, 2012, 85, 2425-2438.	4.5	34
70	3D variational brain tumor segmentation using Dirichlet priors on a clustered feature set. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 493-506.	2.8	52
71	Bridging the Text-Image Gap: a Decision Support Tool for Real-Time PACS Browsing. Journal of Digital Imaging, 2012, 25, 227-239.	2.9	4
72	Quick detection of brain tumors and edemas: A bounding box method using symmetry. Computerized Medical Imaging and Graphics, 2012, 36, 95-107.	5.8	90
73	A novel content-based active contour model for brain tumor segmentation. Magnetic Resonance Imaging, 2012, 30, 694-715.	1.8	113
74	Computer Assisted Diagnostic System in Tumor Radiography. Journal of Medical Systems, 2013, 37, 9938.	3.6	14

#	ARTICLE	IF	Citations
75	A survey of MRI-based medical image analysis for brain tumor studies. Physics in Medicine and Biology, 2013, 58, R97-R129.	3.0	745
76	Semi-automatic Segmentation of Brain Tumors Using Population and Individual Information. Journal of Digital Imaging, 2013, 26, 786-796.	2.9	21
77	3D brain tumor segmentation in multimodal MR images based on learning population- and patient-specific feature sets. Computerized Medical Imaging and Graphics, 2013, 37, 512-521.	5.8	73
78	Multimodal Brain Image Analysis. Lecture Notes in Computer Science, 2013, , .	1.3	7
79	Superpixel-Based Segmentation of Glioblastoma Multiforme from Multimodal MR Images. Lecture Notes in Computer Science, 2013, , 74-83.	1.3	6
80	Ensemble segmentation for GBM brain tumors on MR images using confidenceâ€based averaging. Medical Physics, 2013, 40, 093502.	3.0	12
81	Robust algorithm for brain magnetic resonance image (MRI) classification based on GARCH variances series. Biomedical Signal Processing and Control, 2013, 8, 909-919.	5.7	88
82	State of the art survey on MRI brain tumor segmentation. Magnetic Resonance Imaging, 2013, 31, 1426-1438.	1.8	523
83	Segmentation, Feature Extraction, and Multiclass Brain Tumor Classification. Journal of Digital Imaging, 2013, 26, 1141-1150.	2.9	172
84	Survey on brain tumor segmentation methods. , 2013, , .		8
85	Intelligent classification technique of human brain MRI with efficient wavelet based feature extraction using local binary pattern. , 2013, , .		5
86	Cerebral Blood Volume Analysis in Glioblastomas Using Dynamic Susceptibility Contrast-Enhanced Perfusion MRI: A Comparison of Manual and Semiautomatic Segmentation Methods. PLoS ONE, 2013, 8, e69323.	2.5	42
87	Brain tumor classification using the diffusion tensor image segmentation (D-SEG) technique. Neuro-Oncology, 2015, 17, 466-76.	1.2	46
88	A survey of MRI-based brain tumor segmentation methods. Tsinghua Science and Technology, 2014, 19, 578-595.	6.1	252
89	Brain tumor detection and segmentation in a CRF (conditional random fields) framework with pixel-pairwise affinity and superpixel-level features. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 241-253.	2.8	122
90	A fully automatic extraction of magnetic resonance image features in glioblastoma patients. Medical Physics, 2014, 41, 042301.	3.0	18
91	Identification and extraction of brain tumor from MRI using local statistics of Zernike moments. International Journal of Imaging Systems and Technology, 2014, 24, 284-292.	4.1	3
92	Concurrent tumor segmentation and registration with uncertainty-based sparse non-uniform graphs. Medical Image Analysis, 2014, 18, 647-659.	11.6	32

#	Article	IF	Citations
93	Brain Tumor Segmentation Based on Local Independent Projection-Based Classification. IEEE Transactions on Biomedical Engineering, 2014, 61, 2633-2645.	4.2	164
94	New tumor detection method using NI-means filter and histogram study. , 2015, , .		2
95	SoBT-RFW: Rough-Fuzzy Computing and Wavelet Analysis Based Automatic Brain Tumor Detection Method from MR Images*. Fundamenta Informaticae, 2015, 142, 237-267.	0.4	6
96	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	2.5	88
97	Rough-Fuzzy Clustering and Unsupervised Feature Selection for Wavelet Based MR Image Segmentation. PLoS ONE, 2015, 10, e0123677.	2.5	24
98	New method of tumor extraction using a histogram study. , 2015, , .		2
99	Automated segmentation of brain tumors in MRI using potential field clustering. , 2015, , .		4
100	Automatic Brain Tumor Segmentation in multispectral MRI volumes using a fuzzy c-means cascade algorithm. , 2015, , .		29
101	Classification of magnetic resonance brain images using bi-dimensional empirical mode decomposition and autoregressive model. Biomedical Engineering Letters, 2015, 5, 311-320.	4.1	14
102	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024.	8.9	3,589
103	Texture analysis and classification in coherent anti-Stokes Raman scattering (CARS) microscopy images for automated detection of skin cancer. Computerized Medical Imaging and Graphics, 2015, 43, 36-43.	5.8	39
104	Automated Localization of Brain Tumors in MRI Using Potential-K-Means Clustering Algorithm. , 2015, ,		8
105	A New Post-processing Method to Detect Brain Tumor Using Rough-Fuzzy Clustering. Lecture Notes in Computer Science, 2015, , 407-417.	1.3	3
106	Tumor volume fuzzification for intelligent cancer staging. Applied Soft Computing Journal, 2015, 35, 227-236.	7.2	1
107	Multi-parametric (ADC/PWI/T2-w) image fusion approach for accurate semi-automatic segmentation of tumorous regions in glioblastoma multiforme. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 13-22.	2.0	29
108	Segmentation of Brain Tumors in MRI Images Using Three-Dimensional Active Contour without Edge. Symmetry, 2016, 8, 132.	2.2	56
109	Comparison of visual metric and planimetry methods for brain tumor measurement in dogs. American Journal of Veterinary Research, 2016, 77, 471-477.	0.6	6
110	A Semi-Automated Segmentation Framework for MRI Based Brain Tumor Segmentation Using Regularized Nonnegative Matrix Factorization. , 2016, , .		5

#	Article	IF	CITATIONS
111	A comprehensive review: Segmentation of MRI images-brain tumor. International Journal of Imaging Systems and Technology, 2016, 26, 295-304.	4.1	27
112	Investigating intracranial tumour growth patterns with multiparametric MRI incorporating Gdâ€DTPA and USPIOâ€enhanced imaging. NMR in Biomedicine, 2016, 29, 1608-1617.	2.8	11
113	Comparison of unsupervised classification methods for brain tumor segmentation using multi-parametric MRI. NeuroImage: Clinical, 2016, 12, 753-764.	2.7	64
114	Advanced Morphological Technique for Automatic Brain Tumor Detection and Evaluation of Statistical Parameters. Procedia Technology, 2016, 24, 1374-1387.	1.1	32
115	Exploring deep features from brain tumor magnetic resonance images via transfer learning. , 2016, , .		3
116	Identification and classification of brain tumor through mixture model based on magnetic resonance imaging segmentation and artificial neural network. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, .	0.5	2
117	An efficient scheme for detecting region of interest encompassing the brain tumor from 3D MRI data based on voxel statistics. , 2016, , .		2
118	Optimized Multi Threshold Brain Tumor Image Segmentation Using Two Dimensional Minimum Cross Entropy Based on Co-occurrence Matrix. Studies in Computational Intelligence, 2016, , 461-486.	0.9	12
119	A package-SFERCB-"Segmentation, feature extraction, reduction and classification analysis by both SVM and ANN for brain tumors― Applied Soft Computing Journal, 2016, 47, 151-167.	7.2	96
120	Delineation and diagnosis of brain tumors from post contrast T1-weighted MR images using rough granular computing and random forest. Applied Soft Computing Journal, 2016, 41, 453-465.	7.2	30
121	Rapid and Accurate MRI Segmentation of Peritumoral Brain Edema in Meningiomas. Clinical Neuroradiology, 2017, 27, 145-152.	1.9	18
122	Automatic tumor segmentation in single-spectral MRI using a texture-based and contour-based algorithm. Expert Systems With Applications, 2017, 77, 1-10.	7.6	33
123	Manifold Embedding and Semantic Segmentation for Intraoperative Guidance With Hyperspectral Brain Imaging. IEEE Transactions on Medical Imaging, 2017, 36, 1845-1857.	8.9	57
124	A professional estimate on the computed tomography brain tumor images using SVM-SMO for classification and MRG-GWO for segmentation. Pattern Recognition Letters, 2017, 94, 163-171.	4.2	50
125	Segmentation method for medical image based on improved GrabCut. International Journal of Imaging Systems and Technology, 2017, 27, 383-390.	4.1	9
126	Semi-automated brain tumor segmentation on multi-parametric MRI using regularized non-negative matrix factorization. BMC Medical Imaging, 2017, 17, 29.	2.7	34
127	Evaluation of Particle Swarm Optimisation for Medical Image Segmentation. Advances in Intelligent Systems and Computing, 2017, , 61-72.	0.6	7
128	MRI segmentation fusion for brain tumor detection. Information Fusion, 2017, 36, 1-9.	19.1	79

#	Article	IF	Citations
129	Detection of brain tumor in 3D MRI images using local binary patterns and histogram orientation gradient. Neurocomputing, 2017, 219, 526-535.	5.9	143
130	MiMSeg - an algorithm for automated detection of tumor tissue on NMR apparent diffusion coefficient maps Information Sciences, 2017, 384, 235-248.	6.9	14
131	Synthetic minority image over-sampling technique: How to improve AUC for glioblastoma patient survival prediction. , 2017, , .		14
132	An automatic scheme for brain tumor region detection from 3D MRI data based on enhanced intensity variation. , 2017, , .		3
133	Brain tumor segmentation using genetic algorithm and ANN techniques. , 2017, , .		16
134	Automated Brain Tumor Segmentation on Magnetic Resonance Images and Patient's Overall Survival Prediction Using Support Vector Machines. Lecture Notes in Computer Science, 2018, , 435-449.	1.3	10
135	A novel fully automatic multilevel thresholding technique based on optimized intuitionistic fuzzy sets and tsallis entropy for MR brain tumor image segmentation. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 41-58.	1.3	13
136	A Computer-Based Brain Tumor Detection Approach with AdvancedÂlmage Processing and Probabilistic Neural Network Methods. Journal of Medical and Biological Engineering, 2018, 38, 867-879.	1.8	17
137	A joint intensity and edge magnitude-based multilevel thresholding algorithm for the automatic segmentation of pathological MR brain images. Neural Computing and Applications, 2018, 30, 1317-1340.	5.6	12
138	NeXt for neuroâ€radiosurgery: A fully automatic approach for necrosis extraction in brain tumor MRI using an unsupervised machine learning technique. International Journal of Imaging Systems and Technology, 2018, 28, 21-37.	4.1	41
139	Multiclass Brain Tumor Classification using Region Growing based Tumor Segmentation and Ensemble Wavelet Features. , 2018, , .		9
140	3D Deep Learning for Automatic Brain MR Tumor Segmentation with T-Spline Intensity Inhomogeneity Correction. Automatic Control and Computer Sciences, 2018, 52, 439-450.	0.8	6
141	Fully Automatic Brain Tumor Segmentation using End-To-End Incremental Deep Neural Networks in MRI images. Computer Methods and Programs in Biomedicine, 2018, 166, 39-49.	4.7	170
142	Brain Tumor Segmentation on MR Image Using K-Means and Fuzzy-Possibilistic Clustering. , 2018, , .		22
143	A new deformable model based on fractional Wright energy function for tumor segmentation of volumetric brain MRI scans. Computer Methods and Programs in Biomedicine, 2018, 163, 21-28.	4.7	31
144	Classification of tumor based on magnetic resonance (MR) brain images using wavelet energy feature and neuro-fuzzy model. Journal of Physics: Conference Series, 2018, 974, 012027.	0.4	3
145	Computer-aided automatic segmentation of brain tumors using s-FCM on MR images. , 2018, , .		0
146	A new fast brain tumor extraction method based on NI-means and expectation maximization. , 2018, , . $-$		3

#	Article	IF	CITATIONS
147	Kernel sparse representation for MRI image analysis in automatic brain tumor segmentation. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 471-480.	2.6	11
148	A hybrid of active contour model and convex hull for automated brain tumor segmentation in multimodal MRI. Multimedia Tools and Applications, 2019, 78, 34207-34229.	3.9	19
149	Brain Tumor Detection Using Depth-First Search Tree Segmentation. Journal of Medical Systems, 2019, 43, 254.	3.6	6
150	Estimating uncertainty in MRF-based image segmentation: A perfect-MCMC approach. Medical Image Analysis, 2019, 55, 181-196.	11.6	6
151	Automatic detection and classification of brain tumours using k-means clustering with classifiers. International Journal of Enterprise Network Management, 2019, 10, 64.	0.3	0
152	Cancer imaging in preclinical models. , 2019, , 373-400.		1
153	Towards Reinforced Brain Tumor Segmentation on MRI Images Based on Temperature Changes on Pathologic Area. International Journal of Biomedical Imaging, 2019, 2019, 1-18.	3.9	37
154	Hybrid active contour model and deep belief network based approach for brain tumor segmentation and classification. Sensor Review, 2019, 39, 473-487.	1.8	7
155	Multi-Disease Segmentation of Gliomas and White Matter Hyperintensities in the BraTS Data Using a 3D Convolutional Neural Network. Frontiers in Computational Neuroscience, 2019, 13, 84.	2.1	30
156	Automatic Brain Tumor Detection in Medical Imaging using Machine Learning. , 2019, , .		5
157	Opti-QIBDS Net: A Quantum-Inspired Optimized Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation. , 2019, , .		8
158	Brain Tumor Detection Based on Multimodal Information Fusion and Convolutional Neural Network. IEEE Access, 2019, 7, 180134-180146.	4.2	60
159	MRI brain tumor segmentation based on texture features and kernel sparse coding. Biomedical Signal Processing and Control, 2019, 47, 387-392.	5.7	73
160	Intensity Inhomogeneity Correction for Magnetic Resonance Imaging of Automatic Brain Tumor Segmentation. Lecture Notes in Electrical Engineering, 2019, , 703-711.	0.4	7
161	Exponential cuckoo search algorithm to Radial Basis Neural Network for automatic classification in MRI images. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 273-285.	1.9	7
162	Computer-aided diagnosis applied to MRI images of brain tumor using cognition based modified level set and optimized ANN classifier. Multimedia Tools and Applications, 2020, 79, 3571-3599.	3.9	34
163	An integrated design of particle swarm optimization (PSO) with fusion of features for detection of brain tumor. Pattern Recognition Letters, 2020, 129, 150-157.	4.2	127
164	A Cascaded Deep-Learning Framework for Segmentation of Metastatic Brain Tumors Before and After Stereotactic Radiation Therapy. , 2020, 2020, 1063-1066.		4

#	Article	IF	CITATIONS
165	A Brain Tumor Segmentation Framework Based on Outlier Detection Using One-Class Support Vector Machine. , 2020, 2020, 1067-1070.		11
166	DeepJoint segmentation for the classification of severityâ€ŀevels of glioma tumour using multimodal MRI images. IET Image Processing, 2020, 14, 2541-2552.	2.5	34
167	A survey on brain tumor detection techniques for MR images. Multimedia Tools and Applications, 2020, 79, 21771-21814.	3.9	72
168	Segmentation of tumor using PCA based modified fuzzy C means algorithms on MR brain images. International Journal of Imaging Systems and Technology, 2020, 30, 1337-1345.	4.1	8
169	Fully automatic brain tumor segmentation with deep learning-based selective attention using overlapping patches and multi-class weighted cross-entropy. Medical Image Analysis, 2020, 63, 101692.	11.6	87
170	Texture based localization of a brain tumor from MR-images by using a machine learning approach. Medical Hypotheses, 2020, 141, 109705.	1.5	49
171	Sparse Coding for Brain Tumor Segmentation Based on the Non-Linear Features. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 49, 63-73.	0.5	2
172	A Novel Pathological Stroke Classification System using NSST and WLEPCA. , 2021, , .		1
173	A hybrid weighted fuzzy approach for brain tumor segmentation using MR images. Neural Computing and Applications, 2023, 35, 23877-23891.	5.6	13
174	Tumor bagging: a novel framework for brain tumor segmentation using metaheuristic optimization algorithms. Multimedia Tools and Applications, 2021, 80, 26969-26995.	3.9	12
175	Fusion of Higher Order Spectra and Texture Extraction Methods for Automated Stroke Severity Classification with MRI Images. International Journal of Environmental Research and Public Health, 2021, 18, 8059.	2.6	1
176	MRI-based brain tumor segmentation using FPGA-accelerated neural network. BMC Bioinformatics, 2021, 22, 421.	2.6	15
178	An Efficient Classification of MRI Brain Images. IEEE Access, 2021, 9, 33313-33322.	4.2	18
179	Brain State Recognition Using Fuzzy C-Means (FCM) Clustering with Near Infrared Spectroscopy (NIRS). Lecture Notes in Computer Science, 2001, , 124-136.	1.3	3
180	Computer-Aided Diagnosis of Malign and Benign Brain Tumors on MR Images. Advances in Intelligent Systems and Computing, 2015, , 157-166.	0.6	26
181	Detection and Segmentation of Pathological Structures by the Extended Graph-Shifts Algorithm. , 2007, 10, 985-993.		14
182	A Discriminative Model-Constrained Graph Cuts Approach to Fully Automated Pediatric Brain Tumor Segmentation in 3-D MRI. Lecture Notes in Computer Science, 2008, 11, 67-75.	1.3	56
183	New Robust Fuzzy C-Means Based Gaussian Function in Classifying Brain Tissue Regions. Communications in Computer and Information Science, 2009, , 158-169.	0.5	2

#	Article	IF	CITATIONS
184	Brain Tissue Classification of MR Images Using Fast Fourier Transform Based Expectation- Maximization Gaussian Mixture Model. Communications in Computer and Information Science, 2011, , 387-398.	0.5	13
185	A Novel Machine Learning Approach for Detecting the Brain Abnormalities from MRI Structural Images. Lecture Notes in Computer Science, 2012, , 94-105.	1.3	24
186	A Package Including Pre-processing, Feature Extraction, Feature Reduction, and Classification for MRI Classification. Algorithms for Intelligent Systems, 2020, , 51-68.	0.6	3
187	Review on Histopathological Slide Analysis using Digital Microscopy. International Journal of Advanced Science and Technology, 2014, 62, 65-96.	0.3	29
188	Performance Improved Modified Fuzzy C-Means Algorithm for Image Segmentation Applications. Informatica, 2015, 26, 635-648.	2.7	3
189	A Novel Implementation of Image Segmentation for Extracting Abnormal Images in Medical Image Applications. Indian Journal of Science and Technology, 2015, 8, 333.	0.7	11
190	An Advanced technique for volumetric analysis. International Journal of Computer Applications, 2010, 1, 91-98.	0.2	6
191	A CBIR System for Human Brain Magnetic Resonance Image Indexing. International Journal of Computer Applications, 2010, 7, 33-37.	0.2	15
192	Automatic Brain Tumor Detection and Isolation of Tumor Cells from MRI Images. International Journal of Computer Applications, 2012, 39, 26-30.	0.2	14
193	Automatic MR Brain Tumor Detection using Possibilistic C-Means and K-Means Clustering with Color Segmentation. International Journal of Computer Applications, 2012, 56, 11-17.	0.2	2
194	CAD Scheme To Detect Brain Tumour In MR Images using Active Contour Models and Tree Classifiers. Journal of Electrical Engineering and Technology, 2015, 10, 670-675.	2.0	5
195	3D Tumor Segmentation from Volumetric Brain MR Images Using Level-Sets Method. , 0, , .		2
196	Segmentation of brain tumour using Enhanced Thresholding Algorithm and Calculatethe area of the tumour. IOSR Journal of Research & Method in Education (IOSRJRME), 2014, 4, 58-62.	0.1	3
197	Fuzzy Based Experimental Verification of Significance of Skull Tissue removal in Brain Tumor Image segmentation. International Journal of Computer Applications, 2010, 1, 64-69.	0.2	1
198	Using Hybrid Neural Networks for Identifying the Brain Abnormalities from MRI Structural Images. Lecture Notes in Computer Science, 2012, , 465-472.	1.3	2
199	CADrx for GBM Brain Tumors. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 297-314.	0.4	3
200	3D Brain Tumors and Internal Brain Structures Segmentation in MR Images. International Journal of Image Graphics and Signal Processing, 2012, 4, 35-43.	1.2	5
201	An Automatic Method to Locate Tumor from MRI Brain Images Using Wavelet Packet Based Feature Set. Lecture Notes in Computer Science, 2013, , 224-233.	1.3	0

#	Article	IF	CITATIONS
202	Medical Image Computing for Oncology: Review and Clinical Examples. , 2014, , 97-124.		0
203	Detection of Brain Tumor for MRI using Hybrid Method Wavelet and Clustering Algorithm. International Journal of Applied Information Systems, 2014, 6, 9-14.	0.1	8
204	Understanding the Brain via fMRI Classification. , 2014, , 703-711.		1
205	Brain Tumor Detection, Demarcation and Quantification via MRI. International Journal of Computer Applications, 2014, 87, 8-12.	0.2	0
206	Morphological Operations to Segment a Tumor from a Magnetic Resonance Image. Journal of Information and Communication Convergence Engineering, 2014, 12, 60-65.	0.2	2
207	Measurement of Apparent Diffusion Coefficient Values from Diffusion-Weighted MRI: A Comparison of Manual and Semiautomatic Segmentation Methods. Investigative Magnetic Resonance Imaging, 2015, 19, 88.	0.4	1
208	QIBDS Net: A Quantum-Inspired Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation. Lecture Notes in Computer Science, 2019, , 87-95.	1.3	1
209	Segmentation of 3D Brain Structures in MRI Images. Asian Journal of Computer Science and Technology, 2019, 8, 13-18.	0.2	0
210	CBIR aided classification using extreme learning machine with probabilistic scaling in MRI brain image. Bio-Algorithms and Med-Systems, 2020, 16, .	2.4	0
211	Intelligent environment for advanced brain imaging: multi-agent system for an automated Alzheimer diagnosis. Evolutionary Intelligence, 2021, 14, 1523-1538.	3.6	2
212	Performance enhancement of image segmentation analysis for multiâ€grade tumour classification in MRI image. IET Image Processing, 2020, 14, 4477-4485.	2.5	0
213	Brain tumor detection and classification using machine learning: a comprehensive survey. Complex & Intelligent Systems, 2022, 8, 3161-3183.	6.5	99
214	An Efficient Methodology for Brain MRI Classification Based on DWT and Convolutional Neural Network. Sensors, 2021, 21, 7480.	3.8	13
215	Optimized activation for quantum-inspired self-supervised neural network based fully automated brain lesion segmentation. Applied Intelligence, 2022, 52, 15643-15672.	5.3	2
216	Advancements of MRI-Based Brain Tumor Segmentation from Traditional to Recent Trends- A Review. Current Medical Imaging, 2021, 17, .	0.8	6
217	Brain Tumor Detection On MR Images Using Improved Support Vector Machine. , 2022, , .		2
218	Segmentation of Brain Tumor from Medical Images with Novel U-Shaped Encoder Decoder Architecture. , 2022, , .		0
219	Automatic Segmentation of MRI of Brain Tumor Using Deep Convolutional Network. BioMed Research International, 2022, 2022, 1-9.	1.9	7

#	Article	IF	CITATIONS
220	Development and Validation of a Deep Learning Model for Brain Tumor Diagnosis and Classification Using Magnetic Resonance Imaging. JAMA Network Open, 2022, 5, e2225608.	5.9	16
221	Brain Tumor Segmentation and survival prediction using 3D U-net. Journal of Physics: Conference Series, 2022, 2325, 012048.	0.4	0
222	High Grade Brain Cancer Segmentation by means of Deep Learning. Procedia Computer Science, 2022, 207, 1633-1640.	2.0	1
223	Encâ€Unet: A novel method for Glioma segmentation. International Journal of Imaging Systems and Technology, 2023, 33, 465-482.	4.1	1
224	A Multimodal Knowledge-Based Deep Learning Approach for MGMT Promoter Methylation Identification. Journal of Imaging, 2022, 8, 321.	3.0	0
225	A variate brain tumor segmentation, optimization, and recognition framework. Artificial Intelligence Review, 2023, 56, 7403-7456.	15.7	5
226	ANN: Concept and Application in Brain Tumor Segmentation. Advanced Technologies and Societal Change, 2023, , 175-187.	0.9	1
227	A survey of deep learning for MRI brain tumor segmentation methods: Trends, challenges, and future directions. Health and Technology, 2023, 13, 181-201.	3.6	7
228	Computational Framework of Inverted Fuzzy C-Means and Quantum Convolutional Neural Network Towards Accurate Detection of Ovarian Tumors. International Journal of E-Health and Medical Communications, 2023, 14, 1-16.	1.6	20
229	Automatic Brain Tumor Detection and Volume Estimation in Multimodal MRI Scans via a Symmetry Analysis. Symmetry, 2023, 15, 1586.	2.2	0
230	A Deep Learning Techniques forÂBrain Tumor Severity Level (K-CNN-BTSL) Using MRI Images. Intelligent Systems Reference Library, 2023, , 271-288.	1.2	0
231	ELBP: A Novel Approach for Feature Extraction and Stacking with GLCM in Advanced MRI Brain Tumor Classification. , 2023, , .		0
232	A Hybrid Machine Learning Approach for Brain Tumor Classification Using Artificial Neural Network and Particle Swarm Optimization. Communications in Computer and Information Science, 2024, , 356-372.	0.5	0