Mohammed Goryawala

List of Publications by Year
in descending order

28 papers	477 citations	759233 12 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	838 citing authors

#	Article	IF	Citations
1	An Optimal Decisional Space for the Classification of Alzheimer's Disease and Mild Cognitive Impairment. IEEE Transactions on Biomedical Engineering, 2014, 61, 2245-2253.	4.2	57
2	Scalp EEG brain functional connectivity networks in pediatric epilepsy. Computers in Biology and Medicine, 2015, 56, 158-166.	7.0	53
3	Thermal Imaging as a Biometrics Approach to Facial Signature Authentication. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 214-222.	6.3	45
4	A NEW PARAMETRIC FEATURE DESCRIPTOR FOR THE CLASSIFICATION OF EPILEPTIC AND CONTROL EEG RECORDS IN PEDIATRIC POPULATION. International Journal of Neural Systems, 2012, 22, 1250001.	5.2	41
5	Inclusion of Neuropsychological Scores in Atrophy Models Improves Diagnostic Classification of Alzheimer's Disease and Mild Cognitive Impairment. Computational Intelligence and Neuroscience, 2015, 2015, 1-14.	1.7	38
6	Estimating Intracranial Volume in Brain Research: An Evaluation of Methods. Neuroinformatics, 2015, 13, 427-441.	2.8	35
7	A practical guideline for intracranial volume estimation in patients with Alzheimer's disease. BMC Bioinformatics, 2015, 16, S8.	2.6	30
8	A 3-D Liver Segmentation Method with Parallel Computing for Selective Internal Radiation Therapy. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 62-69.	3.2	28
9	A Low-Interaction Automatic 3D Liver Segmentation Method Using Computed Tomography for Selective Internal Radiation Therapy. BioMed Research International, 2014, 2014, 1-12.	1.9	23
10	Significance of Normalization on Anatomical MRI Measures in Predicting Alzheimer's Disease. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	20
11	Computer-assisted quantification of lung tumors in respiratory gated PET/CT images: phantom study. Medical and Biological Engineering and Computing, 2010, 48, 49-58.	2.8	15
12	A multi-institutional pilot clinical trial of spectroscopic MRI-guided radiation dose escalation for newly diagnosed glioblastoma. Neuro-Oncology Advances, 2022, 4, vdac006.	0.7	14
13	Apolipoprotein-E4 (ApoE4) carriers show altered small-world properties in the default mode network of the brain. Biomedical Physics and Engineering Express, 2015, 1, 015001.	1.2	13
14	The Association between Whole-Brain MR Spectroscopy and IDH Mutation Status in Gliomas. Journal of Neuroimaging, 2020, 30, 58-64.	2.0	13
15	An algorithm for PET tumor volume and activity quantification: Without specifying camera's point spread function (PSF). Medical Physics, 2012, 39, 4187-4202.	3.0	9
16	Peak Detection of Somatosensory Evoked Potentials Using an Integrated Principal Component Analysis–Walsh Method. Journal of Clinical Neurophysiology, 2012, 29, 165-173.	1.7	7
17	Insights into cognitive aging and Alzheimer's disease using amyloid PET and structural MRI scans. Clinical and Translational Imaging, 2015, 3, 65-74.	2.1	7
18	An effective intra-operative neurophysiological monitoring scheme for aneurysm clipping and spinal fusion surgeries. Journal of Neural Engineering, 2012, 9, 026021.	3.5	6

#	Article	IF	Citations
19	Altered small-world anatomical networks in Apolipoprotein-E4 (ApoE4) carriers using MRI. , 2014, 2014, 2468-71.		5
20	Effects of apodization smoothing and denoising on spectral fitting. Magnetic Resonance Imaging, 2020, 70, 108-114.	1.8	5
21	Accurate 3D source localization of focal epileptic foci using interictal EEG spikes. , 2011, , .		4
22	A Comparative Study on the Performance of the Parallel and Distributing Computing Operation in MatLab. , 2010, , .		3
23	An effective novel patient specific Gaussian template based scheme for somatosensory evoked potential detection. , 2011, , .		2
24	T1â€weighted and T2â€weighted Subtraction MR Images for Glioma Visualization and Grading. Journal of Neuroimaging, 2021, 31, 124-131.	2.0	2
25	A somatosensory evoked potential monitoring algorithm using time frequency filtering. , 2013, , .		1
26	Quasi-Stationarity of EEG for Intraoperative Monitoring during Spinal Surgeries. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	1
27	Novel time-frequency-eigen filter for intraoperative neurophysiologic monitoring in spinal surgeries. , 2013, , .		0
28	Quantitative Methods in Brain Tumor Imaging. , 2021, , 1-32.		0