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GAS: A genetic atlas selection strategy in multi-atlas segmentation framework

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| # | Paper | IF | Citations |
|----|---|------|-----------|
| 17 | A semi-automatic approach for epicardial adipose tissue segmentation and quantification on cardiac CT scans. <i>Computers in Biology and Medicine</i> , 2019 , 114, 103424 | 7 | 26 |
| 16 | An Evaluation of Atlas Selection Methods for Atlas-Based Automatic Segmentation in Radiotherapy Treatment Planning. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2654-2664 | 11.7 | 5 |
| 15 | Localised delineation uncertainty for iterative atlas selection in automatic cardiac segmentation. <i>Physics in Medicine and Biology</i> , 2020 , 65, 035011 | 3.8 | 7 |
| 14 | Multi-atlas image registration of clinical data with automated quality assessment using ventricle segmentation. <i>Medical Image Analysis</i> , 2020 , 63, 101698 | 15.4 | 14 |
| 13 | Brain tumor segmentation based on deep learning and an attention mechanism using MRI multi-modalities brain images. <i>Scientific Reports</i> , 2021 , 11, 10930 | 4.9 | 53 |
| 12 | Validation of separate multi-atlases for auto segmentation of cardiac substructures in CT-scans acquired in deep inspiration breath hold and free breathing. <i>Radiotherapy and Oncology</i> , 2021 , 163, 46-54 | 5.3 | 0 |
| 11 | Comparison of Multi-atlas Segmentation and U-Net Approaches for Automated 3D Liver Delineation in MRI. <i>Communications in Computer and Information Science</i> , 2020 , 478-488 | 0.3 | 6 |
| 10 | A Hybrid Segmentation Approach of Brain Magnetic Resonance Imaging Using Region-Based Active Contour with a Similarity Factor and Multi-Population Genetic Algorithm. <i>Pattern Recognition and Image Analysis</i> , 2020 , 30, 765-777 | 1 | 2 |
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| 6 | Cross-Modality Multi-Atlas Segmentation Using Deep Neural Networks.. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022 , PP, | 7.2 | |
| 5 | Diagnosis of Multiple Sclerosis Disease in Brain Magnetic Resonance Imaging Based on the Harris Hawks Optimization Algorithm.. <i>BioMed Research International</i> , 2021 , 2021, 3248834 | 3 | 0 |
| 4 | AutoProstate: Towards Automated Reporting of Prostate MRI for Prostate Cancer Assessment Using Deep Learning. <i>Cancers</i> , 2021 , 13, | 6.6 | 3 |
| 3 | Semi-Automatic Prostate Segmentation From Ultrasound Images Using Machine Learning and Principal Curve Based on Interpretable Mathematical Model Expression. <i>Frontiers in Oncology</i> , 12, | 5.3 | 0 |
| 2 | Target-aware U-Net with fuzzy skip connections for refined pancreas segmentation. 2022 , 109818 | | 0 |
| 1 | Automated landmarking via multiple templates. 2022 , 17, e0278035 | | 0 |

