sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.9

Indexed in: PubMed

CITESCORE 6.8

Medical Image Classification

Collection Editors:

Prof. Dr. Sheryl Berlin Brahnam
Information Technology& Cybersecurity Department, Missouri State University, Springfield, 901 South National Avenue, Springfield, MO 65804, USA

Dr. Loris Nanni
Department of Information Engineering, University of Padua, Via Gradenigo 6, 35131 Padova, Italy

Dr. Rick Brattin
Information Tech and Cybersecurity, Missouri State University, Springfield, 901 South National Avenue, Springfield, MO 65804, USA

Message from the Collection Editors

Given the plethora of new instruments and sensors (some now attached to cell phones), medical data are accumulating at an unprecedented rate, and there is no reason to believe that the complexity and the amount of data will do anything other than continue to snowball. More than ever, machine learning algorithms are needed to realize the potential for medical science that is embedded in this avalanche of data.

The purpose of this TC is to collect studies representing the state-of-the-art in medical image classification from many different modalities: computed tomography (CT), magnetic resonance imaging (MRI), positron emission tomography (PET), functional MRI (fMRI), electroencephalography (EEG), etc. Multimodal systems are especially, though not exclusively, solicited.

Keywords:

- biomedical image analysis
- generative adversarial networks
- multimodal images
- deep learners
- convolutional neural networks
- image segmentation
- feature learning
- image augmentation
- ensembles
- descriptors

mdpi.com/si/59380

Topical Collection

sensors

IMPACT FACTOR 3.9 | Indexed in: PubMed | CITESCORE 6.8

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
𝕏@Sensors_MDPI