Special Issue

Advanced Applications of Magnetic Resonance in Biomedical Imaging

Message from the Guest Editors

Magnetic resonance imaging (MRI) offers a sensitive and non-invasive approach for imaging of the human body as well as animal models. MRI has become one of the most heavily used medical imaging techniques for the diagnosis and follow up of diseases affecting different organs and tissues. The recent MR technical developments, especially the increased field strength, improved gradient performance, and advances in radiofrequency technology, including parallel imaging modalities, have allowed an increase of sensitivity and spatial resolution. Moreover, advanced post-processing methods, including deep learning approaches and artificial intelligence algorithms, are booming, providing further opportunities in the acquisition, reconstruction, and interpretation of MRI/MRS data. There is also an increasing interest in the low and ultra-low field MRI regime, which demonstrates performances considered not attainable until a few years ago, opening up new possibilities in multimodal imaging or integration with other therapeutic devices

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/84232

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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