DESCRIPTION

The Journal of Magnetic Resonance presents original technical and scientific papers in all aspects of magnetic resonance, including nuclear magnetic resonance spectroscopy (NMR) of solids and liquids, electron spin/paramagnetic resonance (EPR), in vivo magnetic resonance imaging (MRI) and spectroscopy (MRS), nuclear quadrupole resonance (NQR) and magnetic resonance phenomena at nearly zero fields or in combination with optics. The Journal’s main aims include deepening the physical principles underlying all these spectroscopies, publishing significant theoretical and experimental results leading to spectral and spatial progress in these areas, and opening new MR-based applications in chemistry, biology and medicine. The Journal also seeks descriptions of novel apparatuses, new experimental protocols, and new procedures of data analysis and interpretation - including computational and quantum-mechanical methods - capable of advancing MR spectroscopy and imaging.

With a solid track record spanning over four decades, the Journal of Magnetic Resonance is known for introducing high-quality, breakthrough articles. These have been seminal to the current state-of-the-art achieved by NMR, ESR, MRI and NQR, and it is a tradition we aim to preserve and enlarge. The Journal’s readership spans the full range of disciplines impacted by magnetic resonance, including experts interested in magnetic resonance within the context of physics, engineering, materials sciences, chemistry, biophysics, structural biology, in vivo biochemistry, biology, preclinical analyses, and human imaging.

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