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### DESCRIPTION

<http://media.journals.elsevier.com/content/files/1-08092108.jpg> International Society of Magnetic Resonance (ISMAR)

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.

Emphasis is placed on expanding the basic principles and techniques underlying this branch of spectroscopy, as well as on state-of-the-art applications of novel MR experiments to all the research areas of interest to our constituency. Manuscripts that only make routine use of well-established techniques or minor spectroscopic contributions, are not appropriate for the *Journal*.

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