

**REGULAR ARTICLES**

- 127 **High-sensitivity sapphire cells for high pressure NMR spectroscopy on proteins**  
Martin Reinhard Arnold, Hans Robert Kalbitzer, and Werner Kremer
- 132 **Pulse error compensating symmetric magic-echo trains**  
G.S. Boutis, P. Cappellaro, H. Cho, C. Ramanathan, and D.G. Cory
- 138 **Predictions of pulsed field gradient NMR echo-decays for molecules diffusing in various restrictive geometries. Simulations of diffusion propagators based on a finite element method**  
Håkan Hagslätt, Bengt Jönsson, Magnus Nydén, and Olle Söderman
- 148 **Experimental demonstration of quantitation errors in MR spectroscopy resulting from saturation corrections under changing conditions**  
Craig J. Galbán, Scott J. Ellis, and Richard G.S. Spencer
- 154 **PJNMR: a platform-independent graphical simulation tool for NMR spectroscopy**  
Paul-Jean Letourneau, Robert Boyko, and Brian D. Sykes
- 168 **Background gradient suppression in pulsed gradient stimulated echo measurements**  
Phillip Zhe Sun, John Georg Seland, and David Cory
- 174 **Restricted linear least square treatment processing of heteronuclear spectra of biomolecules using the ANAFOR strategy**  
Guy Lippens, Philippe R. Bodart, François Taulelle, and Jean-Paul Amoureux
- 183 **Efficient solid state NMR powder simulations using SMP and MPP parallel computation**  
Jørgen Holm Kristensen and Ian Farnan
- 191 **Solid state  $^{33}\text{S}$  NMR of inorganic sulfides**  
Todd A. Wagler, William A. Daunch, Peter L. Rinaldi, and Allen R. Palmer
- 198 **Chemically selective NMR imaging of a 3-component (solid–solid–liquid) sedimenting system**  
Steven D. Beyea, Stephen A. Altobelli, and Lisa A. Mondy
- 204 **Degradation of historical paper: nondestructive analysis by the NMR-MOUSE**  
B. Blümich, S. Anferova, S. Sharma, A.L. Segre, and C. Federici
- 210 **EPR study of some rare-earth ions ( $\text{Dy}^{3+}$ ,  $\text{Tb}^{3+}$ , and  $\text{Nd}^{3+}$ ) in  $\text{YBa}_2\text{Cu}_3\text{O}_6$ -compound**  
M.R. Gafurov, V.A. Ivanshin, I.N. Kurkin, M.P. Rodionova, H. Keller, M. Gutmann, and U. Staub
- 215 **Generalization of the lineshape useful in magnetic resonance spectroscopy**  
David F. Howarth, John A. Weil, and Zbigniew Zimpel
- 222 **A method for rapid characterization of diffusion**  
Y.-Q. Song, M.D. Hürlimann, and C. Flaum
- 234 **Interference of homonuclear decoupling and exchange in the solid-state NMR of perfluorocyclohexane**  
Deborah E. McMillan, Paul Hazendonk, and Paul Hodgkinson

*Continued*

Abstracting and indexing coverage for the *Journal of Magnetic Resonance* includes Adonis UK, Chemical Abstracts, INSPEC UK, ISI's Science Citation Index, and Index Medicus (MEDLINE)

**COMMUNICATIONS**

- 242 **A microstrip transmission line volume coil for human head MR imaging at 4 T**  
Xiaoliang Zhang, Kamil Ugurbil, and Wei Chen
- 252 **NMR-microscopy with TrueFISP at 11.75 T**  
Sascha Köhler, Karl-Heinz Hiller, Mark Griswold, Wolfgang R. Bauer, Axel Haase,  
and Peter M. Jakob
- 258 **Symmetrical reversion: measuring cross-correlation rates with enhanced accuracy**  
Philippe Pelupessy, Guillermo Minguez Espallargas, and Geoffrey Bodenhausen
- 265 **Resolution enhancement in in vivo NMR spectroscopy: detection of intermolecular zero-quantum  
coherences**  
Cornelius Faber, Eberhard Pracht, and Axel Haase
- 275 **AUTHOR INDEX FOR VOLUME 161**