

PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 0163-1829)

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 63, NUMBER 18

CONTENTS

1 MAY 2001-II

Announcement: Electronic-First Publication and Article Numbers i

RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects, etc.

Vacancy formation energy for indium determined by a positron annihilation technique (3 pages) 180101(R)
Naoki Suzuki, Yasuyoshi Nagai, Yoshiko Itoh, Akira Goto, Yasushige Yano, and Toshio Hyodo

Dynamics, dynamical systems, lattice effects, quantum solids, etc.

Vibrational relaxation of the $2A_g^-$ excited state in all-*trans*- β -carotene obtained by femtosecond time-resolved Raman spectroscopy (4 pages) 180301(R)
M. Yoshizawa, H. Aoki, and H. Hashimoto
Real-time renormalization-group analysis of the dynamics of the spin-boson model (4 pages) 180302(R)
Markus Keil and Herbert Schoeller

Magnetism

La NMR probe of intra- and interlayer spin correlations in $\text{La}_{1.2}\text{Sr}_{1.6}\text{Ca}_{0.2}\text{Mn}_2\text{O}_7$ above T_C (4 pages) 180401(R)
Ji-Wen Feng, Kai-Chao Yu, and C. Ye
Magnetic relaxation in thin Co films with in-plane magnetization (4 pages) 180402(R)
S. Boukari, R. Allenspach, and A. Bischof
Magnetic excitations from the edge-sharing CuO_2 chains in $\text{Ca}_2\text{Y}_2\text{Cu}_5\text{O}_{10}$ (4 pages) 180403(R)
M. Matsuda, H. Yamaguchi, T. Ito, C. H. Lee, K. Oka, Y. Mizuno, T. Tohyama, S. Maekawa, and K. Kakurai
Observation of isotropic giant magnetoresistance in paramagnetic $\text{Au}_{80}\text{Fe}_{20}$ (4 pages) 180404(R)
Paolo Allia, Marco Coisson, Vincenzo Selvaggini, Paola Tiberto, and Franco Vinai
Reanalysis of the magnetic field dependence of the penetration depth: Observation of the nonlinear Meissner effect (4 pages) 180405(R)
Klaus Halterman, Oriol T. Valls, and Igor Žutić
NMR as a local probe of magnetic anisotropy: The possibility of orbital ordering and orbital liquid states in colossal magnetoresistance manganites (4 pages) 180406(R)
M. Belesi, G. Papavassiliou, M. Fardis, M. Pissas, J. E. Wegrowe, and C. Dimitropoulos
Strong ferromagnetism and weak antiferromagnetism in double perovskites: Sr_2FeMO_6 ($M = \text{Mo}, \text{W}, \text{and Re}$) (4 pages) 180407(R)
Z. Fang, K. Terakura, and J. Kanamori

