

# World Scientific Journals in Condensed Matter Physics, Statistical Physics and Applied Physics

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## Modern Physics Letters B (MPLB)

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### • Aims and Scope

MPLB opens a channel for the fast circulation of important and useful research findings in Condensed Matter Physics, Statistical Physics, Applied Physics and High-Tc Superconductivity. It provides a convenient avenue for researchers all over the world to exchange information with others in similar fields of interest. A section consisting of brief reviews is included.

### • Highlights

THE IMPORTANCE OF FE SURFACE STATES FOR MAGNETIC  
TUNNEL JUNCTION BASED SPINTRONIC DEVICES

**Athanasios N. Chantis**

(Los Alamos National Laboratory) et al.

Vol: 22, Issue: 26 (2008) pp. 2529-2551

QUANTUM DEVICES BASED ON MODERN BAND STRUCTURE  
ENGINEERING AND EPITAXIAL TECHNOLOGY

**Manijeh Razeghi** (Northwestern University)

Vol: 22, Issue: 24 (2008) pp. 2343-2371

ELECTRON EMISSION FROM CARBON NANOTUBES

**Alireza Nojeh** (University of British Columbia) et al.

Vol: 21, Issue: 27 (2007) pp. 1807-1830

STUDIES OF THE FORMATION OF MICROPOROUS POLYMER  
FILMS IN "BREATH FIGURE" CONDENSATION PROCESSES

**M. S. Barrow** (University of Wales Swansea) et al.

Vol: 22, Issue: 21 (2008) pp. 1989-1996

$\text{Ca}_3\text{Ru}_2\text{O}_7$ : A NEW PARADIGM FOR SPINTRONICS

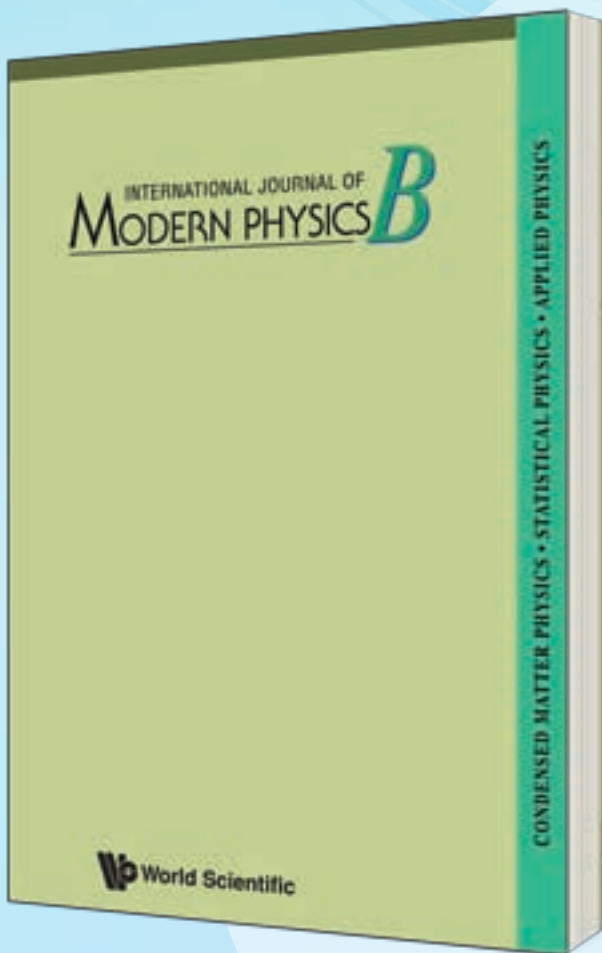
**P. Schlottmann** (Florida State University) et al.

Vol: 22, Issue: 19 (2008) pp. 1785-1813



# International Journal of Modern Physics B (IJMPB)

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## • Aims and Scope

Launched in 1987, this journal covers the most important aspects as well as the latest developments in Condensed Matter, Statistical, Applied Physics and High Tc Superconductivity. One unique feature of this journal is its review section which contains articles with permanent research value besides the state-of-the-art research work in the relevant subject areas.

## • Highlights

AC CONDUCTIVITY OF GRAPHENE: FROM TIGHT-BINDING MODEL TO 2 + 1-DIMENSIONAL QUANTUM ELECTRODYNAMICS

**J. P. Carbotte** (*McMaster University*), **V. P. Gusynin** (*Bogolyubov Institute for Theoretical Physics*) et al.  
Vol: 21, Issue: 27 (2007), 4611-4658

SOME ASYMPTOTIC METHODS FOR STRONGLY NONLINEAR EQUATIONS

**Ji-Huan He** (*Donghua University*)  
Vol: 20, Issue: 10 (2006), 1141-1199

AN APPROACH TO DEFORMATION THEORY BASED ON THERMODYNAMIC PRINCIPLES

Author(s): **Falk H. Koenemann** (*Aachen, Germany*)  
Vol: 22, Issue: 17 (2008), 2617-2673

FALSIFICATION OF THE ATMOSPHERIC CO<sub>2</sub> GREENHOUSE EFFECTS WITHIN THE FRAME OF PHYSICS

**Gerhard Gerlich** (*Technische Universitat Carlo-Wilhelmina zu Braunschweig*) et al.  
Vol.23, Issue: 3 (2009), 275-364

AN ELEMENTARY INTRODUCTION TO RECENTLY DEVELOPED ASYMPTOTIC METHODS AND NANOMECHANICS IN TEXTILE ENGINEERING

**Ji-Huan He** (*Donghua University*)  
Vol: 22, Issue: 21 (2008), 3487-3578

## INTERNATIONAL JOURNAL OF QUANTUM INFORMATION (IJQI)

[www.worldscinet.com/ijqi](http://www.worldscinet.com/ijqi)

### Aims and Scope

The International Journal of Quantum Information (IJQI) provides a forum for the interdisciplinary field of Quantum Information Science. In particular, we welcome contributions in these areas of experimental and theoretical research:

- Quantum Cryptography
- Quantum Computation
- Quantum Communication
- Fundamentals of Quantum Mechanics

