



# PHYSICA C: SUPERCONDUCTIVITY AND ITS APPLICATIONS

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Physica C (Superconductivity and its Applications)* publishes peer-reviewed papers on novel developments in the field of **superconductivity**. Topics include discovery of new **superconducting materials** and elucidation of their mechanisms, physics of **vortex matter**, enhancement of critical properties of **superconductors**, identification of novel properties and processing methods that improve their performance and promote new routes to applications of superconductivity.

The main goal of the journal is to publish:

1. Papers that substantially increase the understanding of the fundamental aspects and mechanisms of superconductivity and vortex matter through theoretical and experimental methods.
2. Papers that report on novel physical properties and processing of materials that substantially enhance their critical performance.
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### AUDIENCE

Condensed matter physicists, materials scientists.

### IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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Subject areas of interest include Vortex matter, nanostructured superconductors, superconductor/ferromagnet hybrids, transport properties, heavy fermion superconductors, high magnetic fields.

**X. Obradors**, Consejo Superior de Investigaciones Científicas (CSIC), Bellaterra, Barcelona, Spain

Subject areas of interest cover processing, microstructure and properties of materials (bulk, thin film and coated conductors), nanostructured superconductors, vortex physics and pinning and power applications.

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Subject areas of interest include various physical properties (optical, magnetic, transport, thermal properties) of high-T<sub>c</sub>, new superconductors and theoretical works.

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Subject areas of interest include theory of unconventional superconductivity, theory of electronic and magnetic properties of high-temperature superconductors, transport properties, optical properties, and spectroscopic properties.

**H.-H. Wen**, Nanjing University, Nanjing, China

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## GUIDE FOR AUTHORS

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

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[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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