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URL

<http://nsr.oxfordjournals.org/>

Subject

Scientific apparatus and instruments - Review - Periodicals

Accessibility

On Subscription basis

Language

English

Publisher

AIP Publishing LLC.

Scope and Coverage

Review of Scientific Instruments (RSI) publishes novel advancements in scientific instrumentation, apparatuses, techniques of experimental measurement, and related

mathematical analysis. Its content includes publication of regular and review articles on instruments covering all areas of science, including physics, chemistry, and biology. RSI regularly publishes conference proceedings of two conferences: the High-Temperature Plasma Diagnostics topical conference and the International Conference on Ion Sources. Special Topic sections may also be published on new developments or on recently held workshops in instrumentation.

RSI covers timely reports on instrumentation within areas of research that include the following topics: optics, atoms and molecules, spectroscopy, and photon detectors particle sources, optics and acceleration, and particle detectors nuclear physics, fusion, and plasmas microscopy and imaging condensed matter and materials chemistry biology and medicine gravity, geophysics, astronomy and astrophysics electronics, electromagnetic technology, and microwaves thermometry, thermal diffusivity, and acoustics sensors and actuators, MEMS and NEMS general instruments.

Kind of Information

Review of Scientific Instruments is a monthly peer-reviewed scientific journal published by the American Institute of Physics. Its area of interest is scientific instruments, apparatus, and techniques as stated in the scope and coverage area. All the reviews of scientific instruments are related to some core areas of Science especially Physics. Such as... Acoustics, Astronomy and astrophysics, Atomic and molecular physics, Biological physics, Condensed matter physics, Energy, General physics, Geophysics, Interdisciplinary physics, Materials science, Mathematical physics, Nanotechnology, Nuclear physics, Optics and optical physics, Particle physics, Physical chemistry, Plasma physics, Quantum mechanics, Rheology and fluid dynamics, Society and organization & Statistical physics.

The collage features several elements:

- Graph (a):** Plot of pitch angle (deg, 13502) vs. major radius (m). Data points are shown for 2.760-2.770 sec and 2.800-2.810 sec.
- Graph (b):** Plot of safety factor (13502) vs. r/a. Data points are shown for 2.760-2.770 sec and 2.800-2.810 sec.
- Figure (a):** A 500 μm scale image showing a grid-like structure with numbered regions 1, 2, 3, and 4.
- Figure (b):** A plot of Intensity (mpSi/μm²) vs. Position (mm) showing peaks for 35 Au, 50 Yb, 28 Tb, and 150 Sn.
- Schematic:** A diagram of a scanning SQUID susceptometer with labels F.C. and M.
- Photograph:** A photograph of a rotating experimental platform in a superconducting magnet.

OCT 07 2016
Scanning SQUID susceptometers with sub-micron spatial resolution

OCT 07 2016
4D x-ray phase contrast tomography for repeatable motion of biological samples

AUG 02 2016
A novel rotating experimental platform in a superconducting magnet

JAN 31 2007
WSXM: A software for scanning probe microscopy and a tool for nanotechnology

DEC 08 2016
A sparsity-based iterative algorithm for reconstruction of micro-CT images from highly undersampled projection datasets obtained with a synchrotron X-ray source

DEC 08 2016
Development of array piezoelectric fingers towards *in vivo* breast tumor detection

JUL 27 2011
Invited Review Article: Single-photon sources and detectors

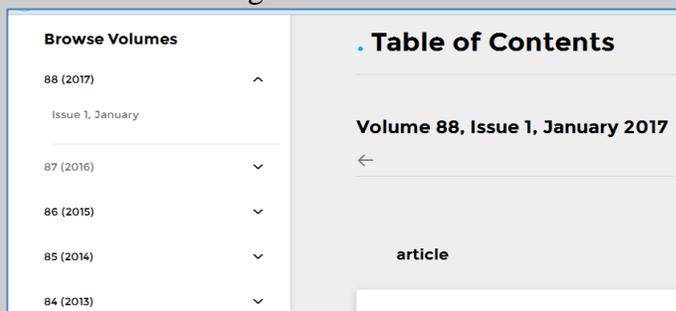
Most read, featured articles, most recent articles, active topics on scientific instruments are given importance on the home page of the website. Guidelines for manuscripts, publication charges etc. details are provided in the 'For Author' link. Active topics guided to know about article type and publication details. Visitors can read abstract or download full text after subscription.

Special Features

- ❖ It Provides links to publisher's website and also gives details about other publications of the publisher.
- ❖ Alert is given when new review article is added to the website. One can get this service after subscription.

Arrangement Pattern

Volumes are arranged chronologically. Under each volume, issues are also arranged chronologically. Each issue is arranged content wise.



The screenshot displays two panels from a journal website. The left panel, titled 'Browse Volumes', lists volumes 84 through 88 with their respective years and expandable/collapsible arrows. The right panel, titled 'Table of Contents', shows the current issue: 'Volume 88, Issue 1, January 2017'. Below the title, there is a left-pointing arrow and the word 'article' centered on a light background.

Remarks

According to the Journal Citation Reports, the journal has a 2015 impact factor of 1.336. The international standard serial number (ISSN) for Review of Scientific Instruments is 0034-6748.

Date of Access

19th January, 2017.