

# IOP | journal archive 1874-1994



Over a century of physics  
at your fingertips

## The essential foundation for the future of physics.

The Institute of Physics has comprehensively digitized its journal archive back to 1874.

The Institute publishes some of the most significant journals in the physical sciences. The archive offers an essential foundation of knowledge for researchers, representing 130 years of high-quality science from the best authors in their fields.

### Adding the IOP Journal Archive to your collection

---

The archive consists of fully searchable PDFs with linked references. High resolution scanning ensures excellent readability of text, data and tables. Access to all content older than ten years is available for subscription or purchase. In 2005, this covers the period 1874–1994. Content from the most recent ten years continues to be included with your current subscriptions.

#### Subscription

As an IOP current subscriber you can add the archive to your collection for only \$825/£588\* for an annual subscription. The data is accessed via the IOP Web site, enabling you and your users to enjoy the full features and services associated with our award-winning Electronic Journals service. Your annual subscription includes full text of all IOP journals in the archive, plus linked HTML references via the IOP web server.

#### Purchase

You can also purchase the archive for a one-time fee and add it permanently to your digital library. Please contact your IOP regional representative for more information. You can see a full list of regional representatives at [www.iop.org/EJ/enquiries](http://www.iop.org/EJ/enquiries).

The IOP Journal Archive provides an indispensable resource for the physics community and ensures your institution has access to:

- Over 500 volume-years of journals
- Over 110,000 articles
- Over 1.5 million pages of scientific research

---

[journals.iop.org](http://journals.iop.org)

## IOP Journal Archive | Subscription order form

**Yes! Please enter my 2005 subscription to the IOP Journal Archive 1874-1994** *(Please print clearly)*

Name of institution/organization (Customer)

Name of subscription agent

Contact name for subscription

Postal address: (Please use billing address if paying by credit card)

City State Zip

E-mail

Telephone Fax

VAT/TVA/Mwst number\*\*

### Customers in USA, Canada and Mexico *(Please check one)*

Current subscriber to IOP journals **\$825.00**  Non-subscriber to IOP journals **\$1650.00**  Pack Z subscriber **\$640.00**

### Customers in Europe and the rest of the world *(Please check one)*

Current subscriber to IOP journals **£588.00\*\***  Non-subscriber to IOP journals **£1176.00\*\***  Pack Z subscriber **£455.00**

### Your choice of payment

Please supply a Proforma invoice  
 Please charge my credit card  Mastercard  Visa  American Express

Card No.                 Expiration date:   /

Signature

In all cases, access cannot be supplied until payment is received.

USA, Canada and Mexico, Central and South America, please send your order to:

**Institute of Physics Publishing, c/o American Institute of Physics, PO Box 503284, St Louis, MO 63150-3284, USA  
Tel: (800) 344-6902, Fax: (516) 349-9704, E-mail: subs@aip.org**

Europe and the rest of the world, please send your order to:

**Customer Service Dept., Institute of Physics Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK  
Tel: +44 (0)117 929 7481, Fax: +44 (0)117 929 1187, E-mail: custserv@iop.org**

## Recommend the IOP Journal Archive

*(Pass this form to your librarian to recommend that your institution subscribe)*

I recommend that we subscribe to the IOP Journal Archive in 2005, for the following reasons:

- I will need to refer to the archive for my work regularly  
 I will be referring my students to this service

## Purchase the IOP Journal Archive

When you purchase the archive for a one-time fee, you can either load the content locally or have permanent access rights to view the data through the IOP web server. Local loading enables you to fully integrate the archive into databases held in your institution so that it truly becomes part of your collection.

Please contact your IOP regional representative for a quotation or e-mail us at:

**info@ioppubusa.com** (for customers in USA, Canada, Mexico and Central and South America), or  
**tony.o'rourke@iop.org** (for customers in Europe and the rest of the world).

\* The subscription price and update price will be subject to annual increases.

\*\* All EU subscribers, with the exception of UK subscribers, are exempt from Value Added Tax (VAT) if they provide their VAT/TVA/Mwst, etc number when placing an order. EU subscribers outside the UK not providing their VAT/TVA/Mwst, etc number will be subject to VAT at the prevailing UK rate.

Please Note:

The full licensing conditions for purchasing the archive as a permanent acquisition are available. Please ask your local representative for a copy of the licence.

Front cover images

Images Top: Electric arc Bottom: Exploded cross section of a TFMC conductor **J-L. Duchateau et al** 2002 *Superconductor Science and Technology* **6** R17-30

## Publications available within the IOP Journal Archive.

In 2005, the IOP Journal Archive gives you access to the content published between 1874–1994 as listed below.

Journal title	ISSN	Content included:
<b>Classical and Quantum Gravity</b>	0264 - 9381	1984 - 1994
<b>Distributed Systems Engineering</b>	0967 - 1846	1994
<b>European Journal of Physics</b>	0143 - 0807	1980 - 1994
<b>Inverse Problems</b>	0266 - 5611	1985 - 1994
<b>Journal of Micromechanics and Microengineering</b>	0960 - 1317	1991 - 1994
<b>Journal of Optics A: Pure and Applied Optics</b>	1464 - 4258	Not included in archive
Formed by merger: Pure and Applied Optics: Journal of the European Optical Society Part A and Journal of Optics	0963 - 9659	1992 - 1994
Formerly Nouvelle Revue d'Optique	0150 - 536X	1977 - 1994
Also formerly Nouvelle Revue d'Optique Appliquée	0335 - 7368	1973 - 1976
	0029 - 4780	1970 - 1972
<b>Journal of Optics B: Quantum and Semiclassical Optics</b>	1464 - 4266	Not included in archive
Formerly Quantum and also Quantum Semiclassical Optics: Journal of the European Optical Society Part B	0954 - 8998	1989 - 1994
<b>Journal of Physics A: Mathematical and General Physics</b>	0305 - 4470	1975 - 1994
Formerly Journal of Physics A: Mathematical, Nuclear and General Physics	0301 - 0015	1973 - 1974
Formerly Journal of Physics A: Proceedings of the Physical Society: General Physics	0022 - 3689	1968 - 1972
<b>Journal of Physics B: Atomic, Molecular and Optical Physics</b>	0953 - 4075	1988 - 1994
Formerly Journal of Physics B: Atomic and Molecular Physics	0022 - 3700	1970 - 1987
Formerly Journal of Physics B: Proceedings of the Physical Society: Atomic and Molecular Physics	0368 - 3508	1968 - 1969
<b>Journal of Physics: Condensed Matter</b>	0953 - 8984	1989 - 1994
Formed by a merger: Journal of Physics F: Metal Physics and Journal of Physics C: Solid State Physics	0305 - 4608	1971 - 1988
Formerly Journal of Physics C: Proceedings of the Physical Society: Solid State Physics	0022 - 3719	1970 - 1988
	0368 - 3516	1968 - 1969
<b>Journal of Physics D: Applied Physics</b>	0022 - 3727	1968 - 1994
Formerly British Journal of Applied Physics	0508 - 3443	1950 - 1967
<b>Journal of Physics G: Nuclear and Particle Physics</b>	0954 - 3899	1989 - 1994
Formerly Journal of Physics G: Nuclear Physics	0305 - 4616	1975 - 1988
<b>Journal of Radiological Protection</b>	0952 - 4746	1988 - 1994
Formerly Journal of the Society for Radiological Protection	0260 - 2814	1981 - 1987
<b>Measurement Science and Technology</b>	0957 - 0233	1990 - 1994
Formerly Journal of Physics E: Scientific Instruments	0022 - 3735	1968 - 1989
Formerly Journal of Scientific Instruments	0950 - 7671	1923 - 1967
<b>Metrologia</b>	0026 - 1394	1965 - 1994
<b>Modelling and Simulation in Materials Science and Engineering</b>	0965 - 0393	1992 - 1994
<b>Nanotechnology</b>	0957 - 4484	1990 - 1994
<b>Nonlinearity</b>	0951 - 7715	1988 - 1994
<b>Nuclear Fusion</b>	0029 - 5515	1992 - 1994
<b>Physics Education</b>	0031 - 9120	1966 - 1994
<b>Physics in Medicine and Biology</b>	0031 - 9155	1956 - 1994
<b>Physics in Technology</b>	0305 - 4624	1973 - 1988
Formerly Review of Physics in Technology	0034 - 6683	1970 - 1972
<b>Physiological Measurement</b>	0967 - 3334	1993 - 1994
Formerly Clinical Physics and Physiological Measurement	0143 - 0815	1980 - 1992
<b>Plasma Physics and Controlled Fusion</b>	0741 - 3335	1984 - 1994
Formerly Plasma Physics	0032 - 1028	1967 - 1983
Formerly Journal of Nuclear Energy. Part C. Plasma Physics, Accelerators, Thermonuclear Research	0368 - 3281	1959 - 1966
<b>Plasma Sources Science and Technology</b>	0963 - 0252	1992 - 1994
<b>Proceedings of the Physical Society</b>	0370 - 1328	1958 - 1967
Proceedings of the Physical Society Section A	0370 - 1298	1949 - 1957
Proceedings of the Physical Society Section B	0370 - 1301	1949 - 1957
Proceedings of the Physical Society	0959 - 5309	1926 - 1948
Proceedings of the Physical Society of London	1478 - 7814	1874 - 1925
<b>Reports on Progress in Physics</b>	0034 - 4885	1934 - 1994
<b>Semiconductor Science and Technology</b>	0268 - 1242	1986 - 1994
<b>Smart Materials and Structures</b>	0964 - 1726	1992 - 1994
<b>Superconductor Science and Technology</b>	0953 - 2048	1988 - 1994
<b>Transactions of the Optical Society</b>	1475 - 4878	1899 - 1932