

# THE JOURNAL OF CHEMICAL PHYSICS

CODEN: JCPSA6  
ISSN: 0021-9606

URL: <http://ojps.aip.org/jcpo/>

**Editor:** Donald Levy

**Senior Associate Editor:** John Light,  
*The University of Chicago, Chicago, IL*

**Associate Editors:**

Marshall Fixman, Branka Ladanyi,

*Colorado State University, Fort Collins, CO*

Ernest Davidson, *Indiana University, Bloomington, IN*

Horia Metiu, *University of California, Santa Barbara, CA*

## Editorial Board

*Term ending 31 December 2002*

Daniel J. Auerbach (IBM Almaden Research Center, San Jose, CA)

Frank S. Bates (University of Minnesota, Minneapolis, MN)

Elliot R. Bernstein (Colorado State University, Fort Collins, CO)

Emily A. Carter (University of California, Los Angeles, CA)

Gary S. Grest (Sandia National Laboratory, Albuquerque, NM)

Grenfell N. Patey (University of British Columbia, Vancouver, BC)

Reinhard Schinke (M.P.I. für Strömungsforschung, Göttingen)

Urs P. Wild (Swiss Federal Inst. of Technology, Zurich, Switzerland)

*Term ending 31 December 2003*

David M. Bishop (University of Ottawa, Ottawa, Ontario, Canada)

R. B. Gerber (Hebrew University, Jerusalem, Israel)

Kenneth D. Jordan (University of Pittsburgh, Pittsburgh, PA)

Kevin K. Lehmann (Princeton University, Princeton, NJ)

Robert J. LeRoy (University of Waterloo, Waterloo, Ontario, Canada)

Mark Maroncelli (Pennsylvania State University, University Park, PA)

Hanna Reisler (University of Southern California, Los Angeles, CA)

Alec M. Wodtke (University of California, Santa Barbara, CA)

*Term ending 31 December 2004*

Moungi G. Bawendi (MIT, Cambridge, MA)

Charles T. Campbell (University of Washington, Seattle, WA)

David C. Clary (University College London, London, UK)

Manfred M. Kappes (Universität Karlsruhe, Karlsruhe, Germany)

Jane E. G. Lipson (Dartmouth College, Hanover, NH)

David J. Nesbitt (JILA, University of Colorado, Boulder, CO)

Richard M. Stratt (Brown University, Providence, RI)

Robert Tycko (National Institutes of Health, Bethesda, MD)

## Information for Authors

**Submissions:** Submit manuscripts (2 copies) to Donald Levy, Editor, *The Journal of Chemical Physics*, Department of Chemistry, 5735 S. Ellis Ave., The University of Chicago, Chicago, IL 60637; E-mail: editor@jcp.uchicago.edu; Fax: 773-702-8314. Submission implies that the manuscript has not been published previously, and is not currently submitted for publication elsewhere. For detailed information for contributors, visit the above URL.

**Publication Charge:** To support the cost of wide dissemination of research results through publication of journal pages and production of a database of articles, the author's institution is requested to pay a page charge of \$55 per page (with a one-page minimum) and an *article charge* of \$20 per article. For Errata the minimum page charge is \$10, with no article charge. For any regular article that exceeds 12 journal pages, the requested page charge is \$150 for each page in excess of 12 pages.

**Color Printing:** Color illustrations will be published free of charge to authors if the Journal's editors deem the use of color to be essential. For all other color figures, fixed rates of \$650 for the first color figure and \$325 for each additional color figure apply. For multipart figures, a single charge will apply only if all parts are submitted as a single piece of artwork.

**Reprints:** Reprints can be ordered with or without covers only in multiples of 50 (with a minimum of 100 in each category) from AIP, Circulation & Fulfillment/Reprints, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Telephone: 1-800-344-6909 (U.S. and Canada), or 516-576-2270.

**Electronic Physics Auxiliary Publication Service (EPAPS)** is a low-cost electronic depository for material that is supplemental to a journal article. For a nominal fee, authors may submit multimedia, color figures, data tables, text, etc. Retrieval instructions are footnoted in the published paper, and links appear in the online version. Direct requests to the Editor; for additional information see <http://www.aip.org/pubseps/epaps.html>.

**Accepted Manuscript Status Inquiry System (AMSIS):** Authors may access information about their accepted manuscript online during the production process by visiting the AMSIS website (<http://www.aip.org/msins/status.html>).

**Digital Object Identifier (DOI):** Each archival article published is assigned a unique DOI that serves to identify the article in a digital environment. In print, the DOI appears at the end of each abstract.

The purpose of *The Journal of Chemical Physics* (JCP) is to bridge a gap between journals of physics and journals of chemistry by publishing quantitative research based on physical principles and techniques, as applied to "chemical" systems. Just as the fields of chemistry and physics have expanded, so have chemical physics subject areas which include polymers, materials, surfaces/interfaces, and biological macromolecules along with the traditional small molecule and condensed phase systems. JCP is published four times per month (48 issues per year) by the American Institute of Physics (AIP).

**Comments:** Authors may direct comments on the journal or on the editorial process to Doreene Berger, Manager, Editorial Operations, AIP, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502. Telephone: 516-576-2444; Fax: 516-576-2450; E-mail: dberger@aip.org.

**AIP Production Staff** (E-mail: [jcp@aip.org](mailto:jcp@aip.org); Fax: 516-576-2638)

Doug Parker, *Team Manager*; Carolyn De Marco, *Chief Production Editor*; Celeste Lentoni, *Senior Production Editor*; Joanne Barker, Jill Duffy, Joanne Santangelo, *Production Editors*

Prices 2002 Subscriptions	U.S.A. & Poss.	Can., Mex., Central & S. Amer. & Caribbean <sup>a</sup>	Europe, Asia, Middle East, Africa & Oceania	
			Surface	Air Freight
<b>Member<sup>b</sup></b>				
Print+online <sup>c,e</sup>	\$345 <sup>d</sup>	\$505	\$505	\$660
Online only <sup>c,e</sup>	\$170	\$170	\$170	\$170
Quarterly CD-ROM+online <sup>e</sup>	\$295	\$295	\$295	\$295
<b>Nonmember</b>				
Print+online <sup>c,e</sup>	\$4,835 <sup>d</sup>	\$4,995	—	\$5,150
Online only <sup>c,e</sup>	\$3,625	\$3,625	—	\$3,625
Quarterly CD-ROM+online <sup>e</sup>	\$4,105	\$4,105	—	\$4,105
Print+quarterly CD-ROM+online <sup>e</sup>	\$5,225	\$5,385	—	\$5,540

<sup>a</sup> These are Surface Mail subscription rates. Surface Mail rates apply to Canada and Mexico, to countries not served by air freight, and to Member Subscribers not electing optional air freight.

<sup>b</sup> AIP Member and Affiliated Societies.

<sup>c</sup> Annual CD-ROM (2 discs) is an additional \$30 for members and \$50 for nonmembers.

<sup>d</sup> Rate also applies to Microfiche+online, to all destinations.

<sup>e</sup> Basic online subscription covers 1997–2002; extended online backfile (to 1985) is an additional \$45 for members and \$75 for nonmembers.

**Back Issues:** 2002 single copies: \$110. 1995–2001 single copies: \$36 for members; \$110 for nonmembers. Prior to 1995 single copies: \$36 for members; \$140 for nonmembers.

## Additional Availability

**Online Access:** *The Journal of Chemical Physics* is available online; for details, please see <http://ojps.aip.org/jcpo/>. Abstracts of journal articles are available from AIP's SPIN Web Service (<http://ojps.aip.org/spinweb/>).

**Microform:** *The Journal of Chemical Physics* is available on microfiche issued at the same frequency as the printed journal, and annually on microfilm. Direct requests to AIP, Circulation & Fulfillment/Single Copy Sales, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Telephone: 1-800-344-6902 (U.S. and Canada) or 516-576-2270.

**Document Delivery:** Copies of journal articles can be ordered for online delivery from DocumentStore, AIP's online document delivery service (<http://www.documentstore.org>).

## Customer Service

**Subscription Orders and Renewals** should be addressed to American Institute of Physics, P.O. Box 503284, St. Louis, MO 63150-3284. Telephone: 1-800-344-6902 (U.S. and Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: [subs@aip.org](mailto:subs@aip.org). Allow at least six weeks advance notice.

**Inquiries, Address Changes, Claims, Single Copy Replacements, and Back Volumes:** For address changes, please send both old and new addresses and, if possible, include the mailing label from a recent issue. Missing issue requests will be honored only if received within six months of publication date (nine months for Australia and Asia). Single copies of a journal may be ordered and back volumes are available in print, microfiche, or microform. Contact AIP Customer Services at 1-800-344-6902 (U.S. and Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: [subs@aip.org](mailto:subs@aip.org).

**Reprint Billing:** Contact AIP Publication Charge and Reprints/CFD, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 1-800-344-6909 (U.S. and Canada) or 516-576-2270; E-mail: [pcr@aip.org](mailto:pcr@aip.org).

## Rights and Permissions

**Copying:** Single copies of individual articles may be made for private use or research. Authorization is given (as indicated by the Item Fee Code for this publication) to copy articles beyond the use permitted by Sections 107 and 108 of the U.S. Copyright Law, provided the copying fee of \$19 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Persons desiring to photocopy materials for classroom use should contact the CCC Academic Permissions Service. The Item Fee Code for this publication is 0021-9606/2002 \$19.00. Authorization does not extend to systematic or multiple reproduction, to copying for promotional purposes, to electronic storage or distribution, or to republication in any form. In all such cases, specific written permission from AIP must be obtained.

**Other Use:** Permission is granted to quote from the journal with the customary acknowledgment of the source. To reprint a figure, table, or other excerpt requires the consent of one of the authors and notification to AIP. See journal home page for author's Web posting guidelines.

**Requests for Permission:** Address requests to AIP Office of Rights and Permissions, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-576-2450; Telephone: 516-576-2268; E-mail: [rights@aip.org](mailto:rights@aip.org).

*The Journal of Chemical Physics* (ISSN: 0021-9606) is published four times per month, 48 issues per year by the American Institute of Physics. 2002 Subscription rates: US\$4835. POSTMASTER: Send address changes to *The Journal of Chemical Physics*, AIP, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502. Periodicals postage paid at Huntington Station, NY 11746, and additional mailing offices.

Copyright © 2002 American Institute of Physics. All rights reserved.