

The Chemistry Preprint Server: An Experiment in Scientific Communication



The Chemistry Preprint Server (CPS) is a major new initiative for the chemical community - a freely available and permanent web archive, and distribution medium for research articles in the field of chemistry.

The CPS is hosted by ChemWeb.com, the online resource for the chemical community. Registration to and membership of ChemWeb.com is free, and allows access to a wealth of information and services – including scientific journals and databases, shopping mall, conference diary, careers center and a daily webzine *The Alchemist*.

All users of the CPS will need to be ChemWeb.com members – registration is free of charge at <http://preprint.chemweb.com>.

The CPS was developed by closely following the Los Alamos archives, which cover physics and related disciplines. In setting up the service ChemWeb.com has constantly referred to the Open Archive initiative for e-print archives and has applied for the CPS to be recognized as a compliant data provider by the Open Archive.

Submission to the CPS is open to all and can include fully prepared articles or works in progress. Any number of supplementary files can be uploaded alongside the article. Authors of articles will be able to update them with new versions at any time, or redirect from the abstract to an online version if subsequently published.

A screenshot of the Chemistry Preprint Server website. The header includes the logo and navigation links: Home, Browse, Search, Submit, Help, Donate, Feedback. The main content area is titled "Physical Chemistry" and includes a notice: "Please alert me when a new article is uploaded to this classification." Below this is a "Most recent articles" section with a list of articles, each with a title, author, date, and ID. On the right side, there is a sidebar with "Physical Chemistry" statistics, including "last updated" (16 November 2000/11/13), "no. of articles" (26), and "quick find" options (most recent, most discussed, highest rated). There is also a "quick search" box and a "Submit Search" button.

Even if you don't have a paper to submit, you can use the CPS to gain access to some of the latest chemistry research. The CPS is divided into 10 chemistry categories, all fully searchable and browseable.

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Inorganic Chemistry	14	0	0
Macromolecular Chemistry	4	0	0
Medicinal/Pharmaceutical Chemistry	3	0	0
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Please use CPS: physchem0011006 in any reference to this article

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Symmetrized mean-field description of magnetic instabilities in κ -(BEDT-TTF)₂Cu[N(CN)₂Y] salts (Y=Cl, Br)

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Abstract

We present a new and convenient mean-field method, and apply it to study the metallic/antiferromagnetic interface in symmetric κ -phase (BEDT-TTF) superconducting salts. The method allows one to obtain the mean-field solution of the two-dimensional Hubbard

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CPS Overview

This is an exciting time in scientific publishing, and the CPS is an interesting experiment in scientific communication. For further details and to view the Chemistry Preprint Server, visit <http://preprint.chemweb.com>.

[Jan Kuras, ChemWeb Inc.](#)