Looking for ESRF and ILL publications

Access to the Library database complex search:

From the Library website

or directly from the Library database address:

https://epn-library.esrf.fr/flora/

More questions?
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Looking for ESRF and ILL publications

The auto-completion is activated for each field:

ESRF publications: Complex search

Authors

Authors Country

Title

Exact Journal or Serie's title

Bibliographic Information (journal, book, conference)

Document Type

Publication year

More questions?

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Looking for ESRF and ILL publications

Complex search

You can search for several beamlines at once:

ESRF publications: Complex search

- Beamline
- Authors
- Country
- Title
- Exact Journal or Series title
- Authors
- "BM1" "BM1A" "BM1B"

Document Type
- All
- Publications with ESRF author(s) and describing an ESRF experiment
- Publications without ESRF author(s) and describing an ESRF experiment
- Articles citing the ESRF, no ESRF author
- Propublications
- Thesis
- Technical Reports
- Books

Publication year

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When the list of results is displayed, you can:

- Go back to the last search form
- View the selected publications
- Put publications in the basket
- Print or send a list of publications by email
- Export: print format - tabulated

Publish the list of selected publications: See next slide for details

More questions?
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Looking for ESRF and ILL publications

By clicking on , you can:

- Get a TXT file:

![Publish records interface](image)

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Looking for ESRF and ILL publications

Only 100 results per page are displayed.

To select all publications on each page

To go to next page

To go to the last page

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Looking for ESRF and ILL publications

When you have viewed a publication, it appears in green in the list:

<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
<th>Year</th>
<th>DOI</th>
<th>Open Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ababou a., koronakis v. - structures of gate loop variants of the acrB drug efflux pump bound by erythromycin substrate</td>
<td>PloS One</td>
<td>11</td>
<td>e0159154-1-e0159154-8(2016)</td>
<td>2016</td>
<td>10.1371/journal.pone.0159154</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>abate f., cozzi r., maritan m., lo surdo p., maione d., malito e., bottomley mj. - crystal structure of fhuD at 1.6 Å resolution: a ferrichrome-binding protein from the animal and human pathogen Staphylococcus pseudintermedius</td>
<td>Acta Crystallographica F</td>
<td>72</td>
<td>214-219(2016)</td>
<td>2016</td>
<td>10.1107/S0108767316000679</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Looking for ESRF and ILL publications

Log-in to the Library catalogue

To be able:
• to create your personal baskets
• to access PDF files
Looking for ESRF and ILL publications

By selecting publications and clicking on the glasses icon (see previous slide), you get:

**Abstract:**
Chicken avidin (Avd) and streptavidin from Streptomyces avidinii are extensively used in biotechnology due to their extremely tight binding to biotin (Kd similar to 10^-15 M for chicken Avd). We previously reported engineered Avds known as antidins, which have micro to nanomolar affinities for steroids, non-natural ligands of Avd. Here, we report the 2.8 angstrom X-ray structure of the sAvd-2 (1117V) antidin-crystallized with progesterone. We describe the creation of new synthetic phage display libraries and report the experimental as well as computational binding analysis of progesterone-binding antidins. We introduce a next-generation antidin with 5 nM binding affinity for progesterone, and demonstrate the use of anti dins for measuring progesterone in serum samples. Our data give insights on how to engineer and alter the binding preferences of Avds and to develop better molecular tools for modern biotechnological applications.

**Permanent link:**

**Latest publication:**


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