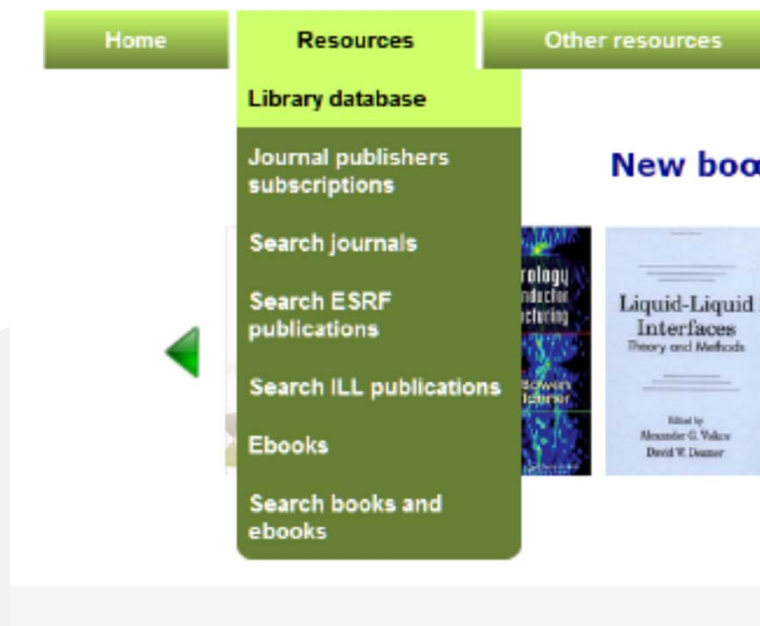


# Looking for ESRF and ILL publications

Access to the Library database complex search:

From the Library website



or directly from the Library database address:

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

# Looking for ESRF and ILL publications

The auto-completion is activated for each field:

ESRF publications: Complex search

Authors  and

and  or  not Authors Country  and

and  or  not Title  and

and  or  not Exact Journal or Serie's title  and

and  or  not Bibliographic Information (journal, book, conference)  and

and  or  not

**Document Type**

- All
- Publications with ESRF author(s) and describing an ESRF experiment
- Publications without ESRF author(s) and describing an ESRF experiment
- Publications with ESRF author(s) and not describing an ESRF experiment
- Articles citing the ESRF, no ESRF author
- Thesis
- Technical Reports
- Workshops
- Books

**Publication year**

and =

# Looking for ESRF and ILL publications

## Complex search

You can search for several beamlines at once:

ESRF publications: Complex search

Beamline  "BM1" "BM1A" "BM1B"

and  or  not Authors Country

and  or  not Title

and  or  not Exact Journal or Serie's title

and  or  not Authors

and  or  not

**Document Type**

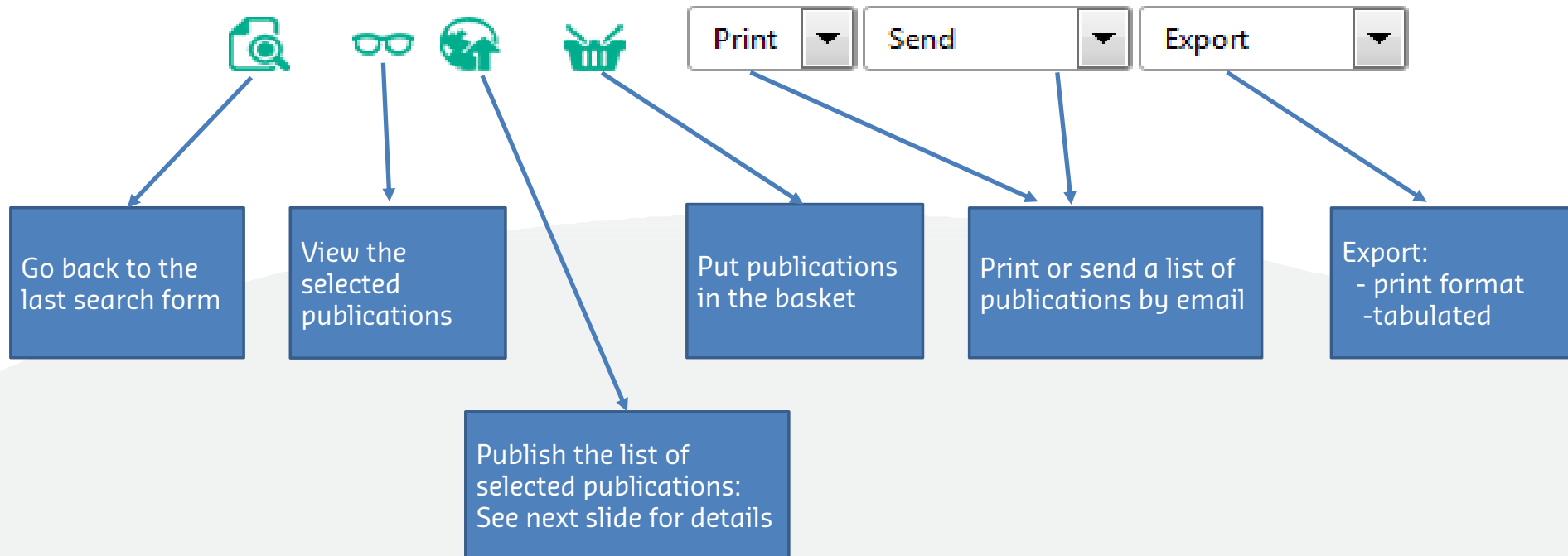
- All
- Publications with ESRF author(s) and describing an ESRF experiment
- Publications without ESRF author(s) and describing an ESRF experiment
- Publications with ESRF author(s) and not describing an ESRF experiment
- Articles citing the ESRF, no ESRF author
- Prepublications
- Thesis
- Technical Reports
- Books

**Publication year**

and =

# Looking for ESRF and ILL publications

When the list of results is displayed, you can:



# Looking for ESRF and ILL publications

By clicking on  , you can:

- Get a TXT file:

## Publish records

Select category

Export - Tabbed

Select template

exp\_PUB\_ESRF\_opac - Publication ESRF

OK

Cancel

# Looking for ESRF and ILL publications

Only 100 results per page are displayed.

The screenshot shows a search results interface with the following elements:

- Top navigation: Print, Send, Export, 100 Records per page.
- Sorting: Ascending sort, Descending sort, and a plus sign.
- Selection: A "Select all" checkbox.
- Results list (5 items shown):
  - 1. Ababou A., Koronakis V. - Structures of gate loop variants of the AcrB drug efflux pump bound by erythromycin substrate. PloS One **11**, e0159154-1-e0159154-8(2016). DOI. Open Access.
  - 2. Abate F., Cozzi R., Maritan M., Lo Surdo P., Maione D., Malito E., Bottomley M.J. - Crystal structure of FhuD at 1.6 Å resolution: A ferrichrome-binding protein from the animal and human pathogen Staphylococcus pseudintermedius. Acta Crystallographica F **72**, 214-219(2016). DOI.
  - 3. Abd El-Moemen A., Abdel-Mageed A.M., Bansmann J., Parlinska-Wojtan M., Behm R.J., Kucerova G. - Deactivation of Au/CeO2 catalysts during CO oxidation: Influence of pretreatment and reaction conditions. Journal of Catalysis **341**, 160-179(2016). DOI.
  - 4. Abdoulghafour H., Gouze P., Luquot L., Leprovost R. - Characterization and modeling of the alteration of fractured class-G Portland cement during flow of CO2-rich brine. International Journal of Greenhouse Gas Control **48**, 155-170(2016). DOI.
  - 5. Abes M., Koops C.T., Hrkac S.B., McCord J., Urs N. O., Wolff N., Kienle L., Ren W. J., Bouchenoire L., Murphy B.M., Magnussen O.M. - Domain structure and reorientation in CoFe2O4. Physical Review B **93**, 195427-1-195427-7(2016). DOI.
- Footer: 1589 (Total : 1589) Page 1 of 16.

To select all publications on each page

To go to next page

Total number of results


To go to the last page

# Looking for ESRF and ILL publications

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

Select all      ↓ Ascending sort : ▼      ↑ Descending sort : ▼      +

Ababou A., Koronakis V. - Structures of gate loop variants of the AcrB drug efflux pump bound by erythromycin substrate

1  PloS One **11**, e0159154-1-e0159154-8(2016)  Open Access

DOI

Abate F., Cozzi R., Maritan M., Lo Surdo P., Maione D., Malito E., Bottomley M.J. - Crystal structure of FhuD at 1.6 Å resolution: A ferrichrome-binding protein from the animal and human pathogen *Staphylococcus pseudintermedius*

2  Acta Crystallographica F **72**, 214-219(2016)

DOI

# Looking for ESRF and ILL publications



Log-in to the Library catalogue

Contact Username: Password: Enter Clear

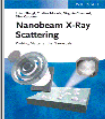

Joint ILL-ESRF Library catalogue

**ESRF and ILL Publications, Reports and Thesis**






Staff and Users are required to register their ESRF and ILL publications:

**New electronic books**

**New journals received by the library (paper version)**

New Scientist, Issue 3101 J. Phys. Soc. Japan, Issue 9 Physik Journal, Issue 12 Powder Diffraction, Issue 3 Z. Kristallographie, Issue 11 Medical Physics, Issue 10 Reflets de la physique, September

## 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:

 **Open Access** Agrawal N., Lehtonen S.I., Uusi-Mäkelä M., Jain P., Viitala S., Määttä J.A.E., Kähkönen N., Azizi L., Riihimäki T.A., Kulomaa M.S., Johnson M.S., Hytönen V.P., Airene T.T. - Molecular features of steroid-binding antitidins and their use for assaying serum progesterone  
*PloS One*  **14**, e0212339-1-e0212339-27 (2019)

**Number:** ESRF19AG1419

**Beamline:** ID30A-3

DOI

[Web of Science](#)

[Articles citing this publication](#)

[Link on Google Scholar](#)

**Facility used:** ESRF (Grenoble)

**Abstract:** Chicken avidin (Avd) and streptavidin from *Streptomyces avidinii* are extensively used in bionanotechnology due to their extremely tight binding to biotin (K-d similar to 10<sup>-15</sup> M for chicken Avd). We previously reported engineered Avds known as antitidins, 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 sbAvd-2 (1117Y) antidin co-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 antitidins. 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 bionanotechnological applications.

**Permanent link:** [https://epn-library.esrf.fr/flora/jsp/index\\_view\\_direct\\_anonymous.jsp?record=doc:PUB\\_ESRF:52213](https://epn-library.esrf.fr/flora/jsp/index_view_direct_anonymous.jsp?record=doc:PUB_ESRF:52213)



PloS\_ONE\_14\_e0212339.pdf

Full text of publications since 2013