



Amplifying your Research Visibility and Impact



Sébastien Hoyas

*Data Project Manager &
Business Analyst*

Place du Parc, 22
Office 1.12
7000 Mons
+32 65 37 34 54

sebastien.hoyas@umons.ac.be

Outline

- Goal
- What is ORBi?
- Why is ORBi important?
- Overview of the interface
- How to add a new publication
 - Open Access
 - Licenses
- How to search for (a) publication(s)
- How to improve your visibility

Goal of this training session

Help you mastering ORBi

Providing resources to help you gain visibility for your scientific career

What is ORBi?

What is ORBi?

- ORBi = **O**pen **R**epository and **B**ibliography, developed by ULiège
- Our institutional repository for **scientific productions** (any kind of document you produce related to academia)
- UMONS supports Open Science and **Open Access** movement by making its scientific work accessible to everyone without financial or technical constraint

Main goals

- To increase the visibility of UMONS researchers' publications
- To facilitate the generation of publication reports and the internal evaluation of researchers
- To provide the public with free and fast access to quality scientific publications (*University's 3rd mission, service to society*)

**Why is ORBi so
important?**

What is ORBi important?

Mandate

- The obligatory submission to ORBi by UMONS members of all their publications
- The obligatory submission to ORBi of the **full text of all scientific articles** that have been published by UMONS members. **This must be done as soon as they have been accepted by the publisher**
- That **only references from publications submitted to ORBi be used for the internal evaluation of researchers (annual activity reports of your PI/research unit(s) and institute(s))**

What is ORBi important?

Showcase your scientific career

Every item on ORBi is also **visible outside!**

- Search engine: Google Scholar, Baidu, DuckDuckGo



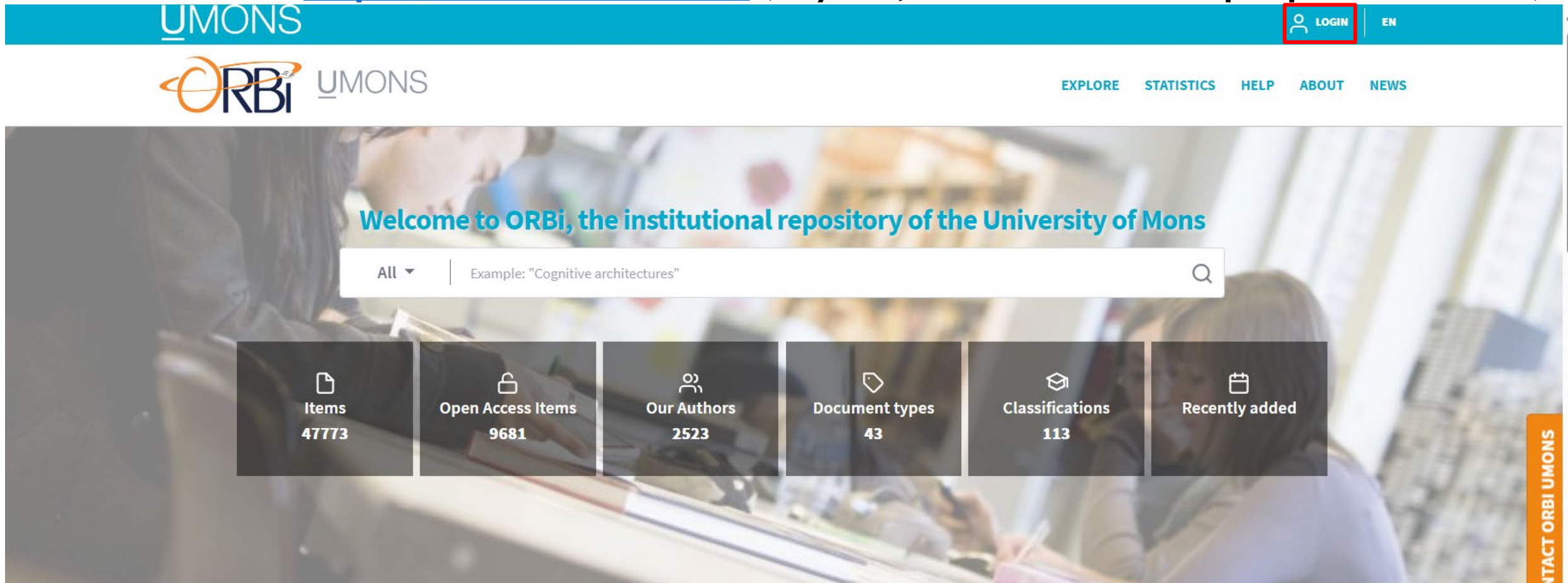
- Digital libraries (Ebsco, Central Discovery Index)
- Harvesters (CORE, Isidore, OpenAire, PubMed, FNRS, etc.)

More details [here](#)

Overview of interface

Overview of the interface

Access ORBi via <https://orbi.umons.ac.be/> (anyone, even non-UMONS people can access)



Overview of the interface

Access ORBi via <https://orbi.umons.ac.be/> (anyone, even non-UMONS people can access)

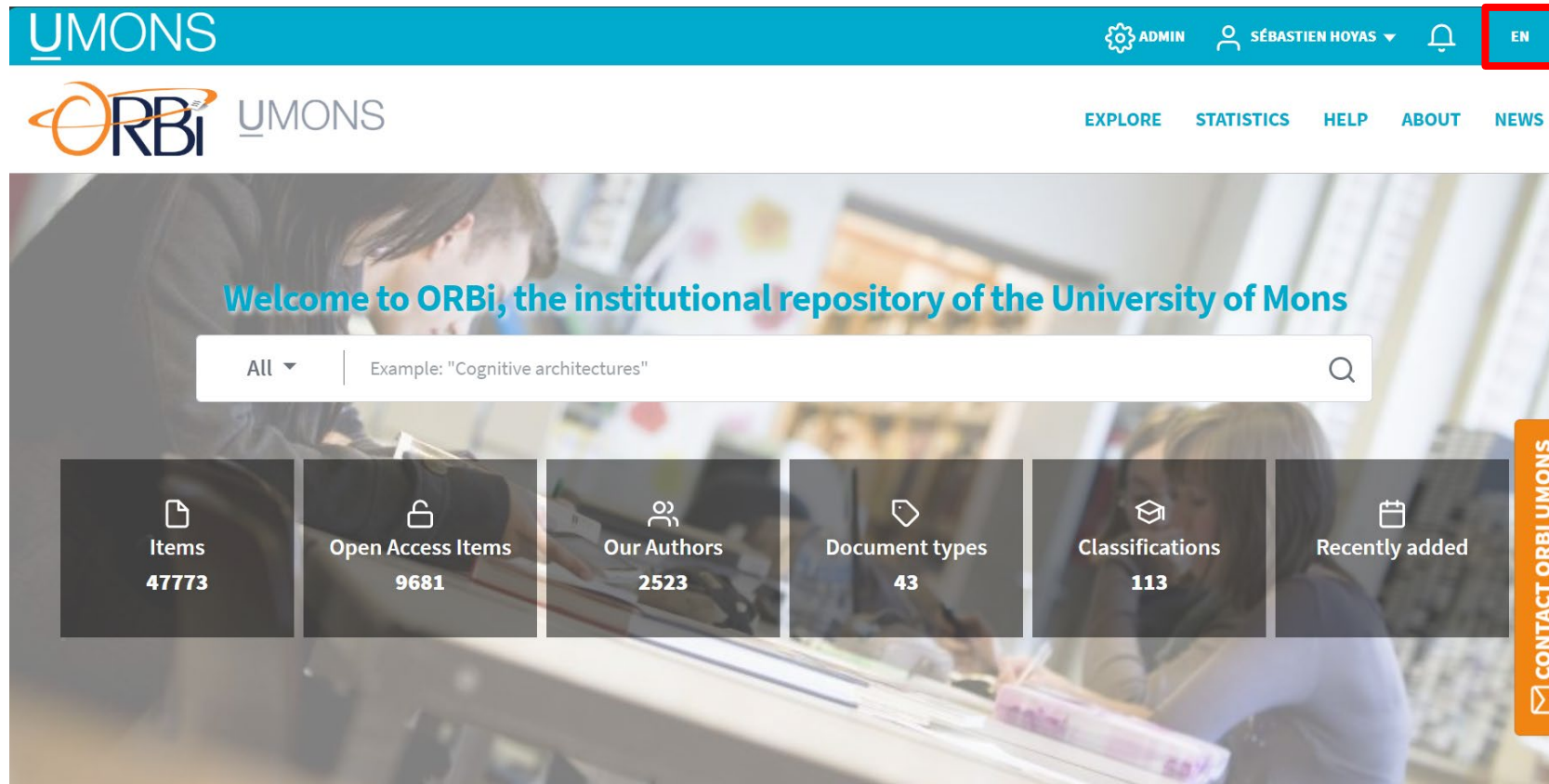
IMPORTANT NOTE

If you are doing a Ph.D., you have a student ID AND a staff ID.

You can log in using both IDs.

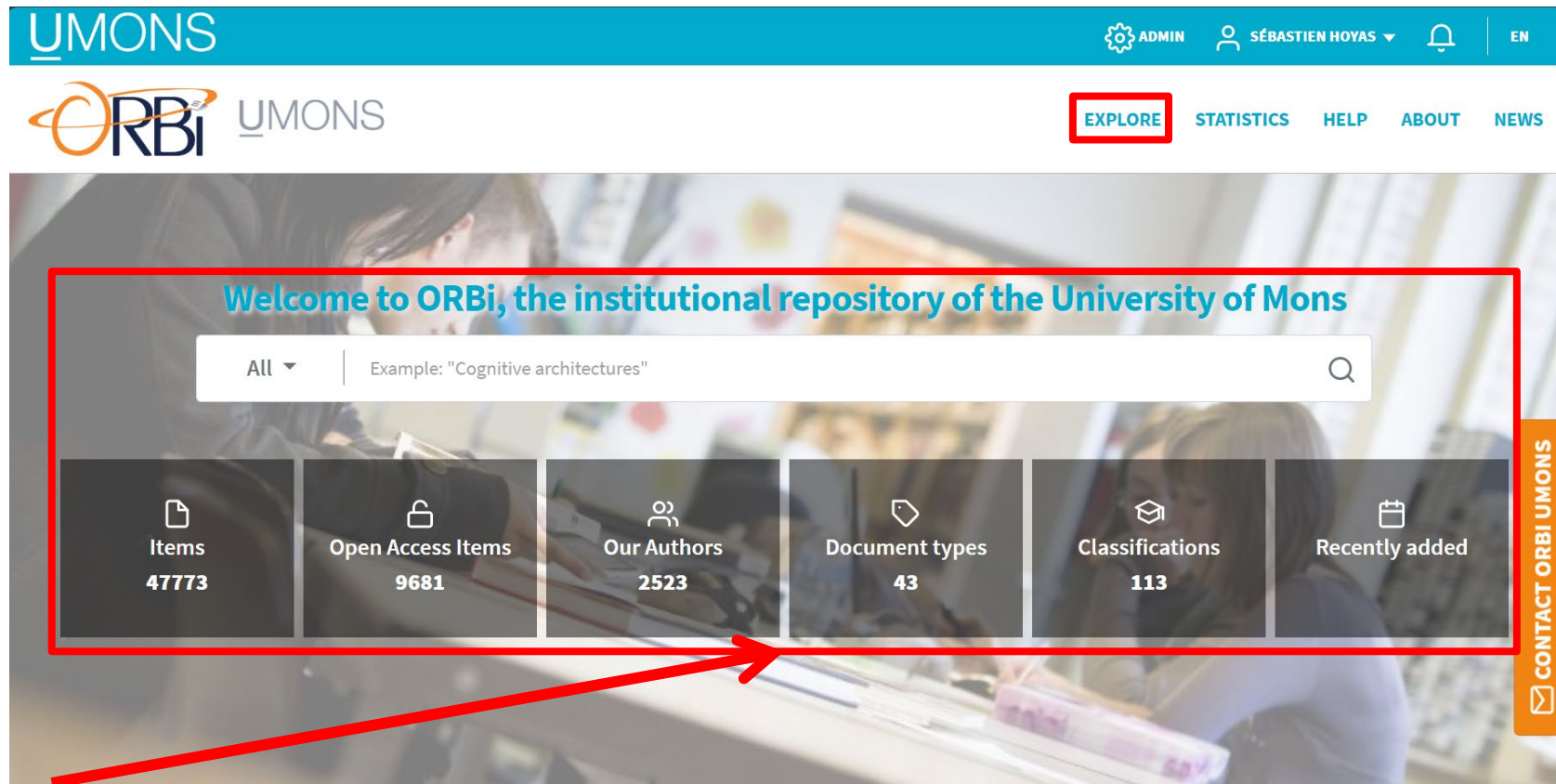
HOWEVER: only the staff ID will allow you to add publications and use all the features. This may change in the future.

Overview of the interface



Change the
language
(EN or FR)


Overview of the interface



Search for a registered publication or simply browse through the whole collection

Overview of the interface

UMONS

 UMONS

ADMIN

SÉBASTIEN HOYAS

EN

EXPLORE

STATISTICS

HELP

ABOUT

NEWS

← BACK

HOME

> SEARCH RESULTS

Search Results

☐ in open access

9681

☐ with full-text

18203

☐ peer review

15604

☐ editorial reviewed

1097

Year issued

☐ In press

278

☐ 2024

680

☐ 2023

2757

☐ 2022

2729

☐ 2021

2535

+ See all

Author

☐ LAURENT, Sophie

1504

☐ DUBOIS, Philippe

1181

☐ MULLER, Robert

1095

☐ Vander elst, Luce

922

☐ DE LIEVRE, Bruno

836

+ See all

Document type

☐ In press

41611

☐ In open access

41611

☐ With full-text

41611

☐ Peer review

41611

☐ Editorial reviewed

41611

Results 1-10 of 47773

by issue date (descending)

EXPORT

POSTER (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Is anger processing impaired after a traumatic brain injury: A single-case study

Bellaert, Nellia ; Bodart, Alice ; Blekic, Wivine *et al.*

In press • International Conference of Cognitive Neuroscience (ICON)

WORKING PAPER (E-PRINTS, WORKING PAPERS AND RESEARCH BLOG)

Le statut, un outil de screening adéquat pour les acteurs de financement en microfinance ?

Labie, Marc ; Périlleux, Anaïs

In press

CONTRIBUTION TO COLLECTIVE WORKS (PARTS OF BOOKS)

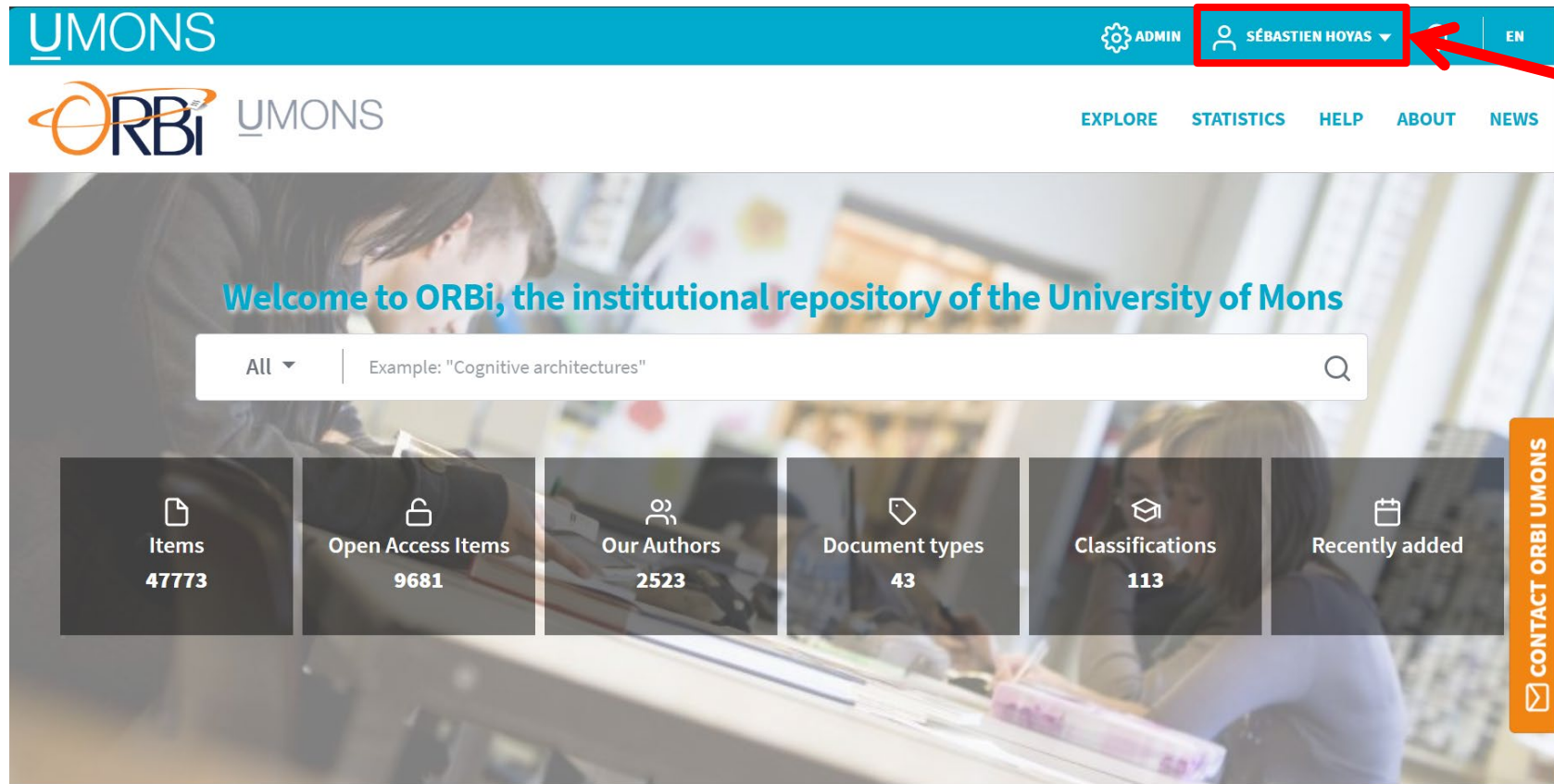
Simultanéités et consécutivités dans l'acte interprétatif

Piccaluga, Myriam ; Harmegnies, Bernard

In press • In *Consécutivité et Simultanéité*

14

Overview of the interface



Your menu

Overview of the interface

The screenshot displays the ORBi UMONS interface. At the top, a teal header bar contains the UMONS logo on the left, an ADMIN gear icon, the user name SÉBASTIEN HOYAS with a dropdown arrow, a notification bell icon, and the language selector EN. Below the header, the ORBi UMONS logo is repeated on the left. A central banner features a blurred image of a person and the text "Welcome to ORBi, the institutional repository of the University of Mons". Below the banner is a search bar with a dropdown menu set to "All" and a search input field containing the text "Example: 'Cognitive architectures'". On the right side, a user menu is open, listing several options: MyORBi UMONS, My Unfinished Deposits, My Publications, My Reports (highlighted with a dashed green border), My Widgets, My Statistics, My Profile, and My Copy Requests. A Logout button with a right arrow icon is at the bottom of the menu. The background of the interface is a blurred image of a person working at a desk.

UMONS

ADMIN

SÉBASTIEN HOYAS

EN

EXPLORE

ABOUT

NEWS

Related to your visibility

Related to your publications

Welcome to ORBi, the institutional repository of the University of Mons

All ▼

Example: "Cognitive architectures"

MyORBi UMONS

My Unfinished Deposits

My Publications

My Reports

My Widgets

My Statistics

My Profile

My Copy Requests

Logout

Overview of the interface

NEW: My Indicators

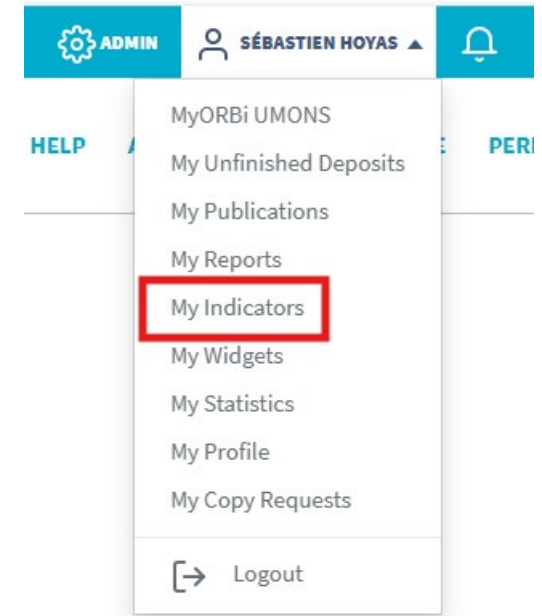
Examples :

- [ORBi UMONS: Generate indicators](#)
- [ORBi UMONS: Generate indicators](#)

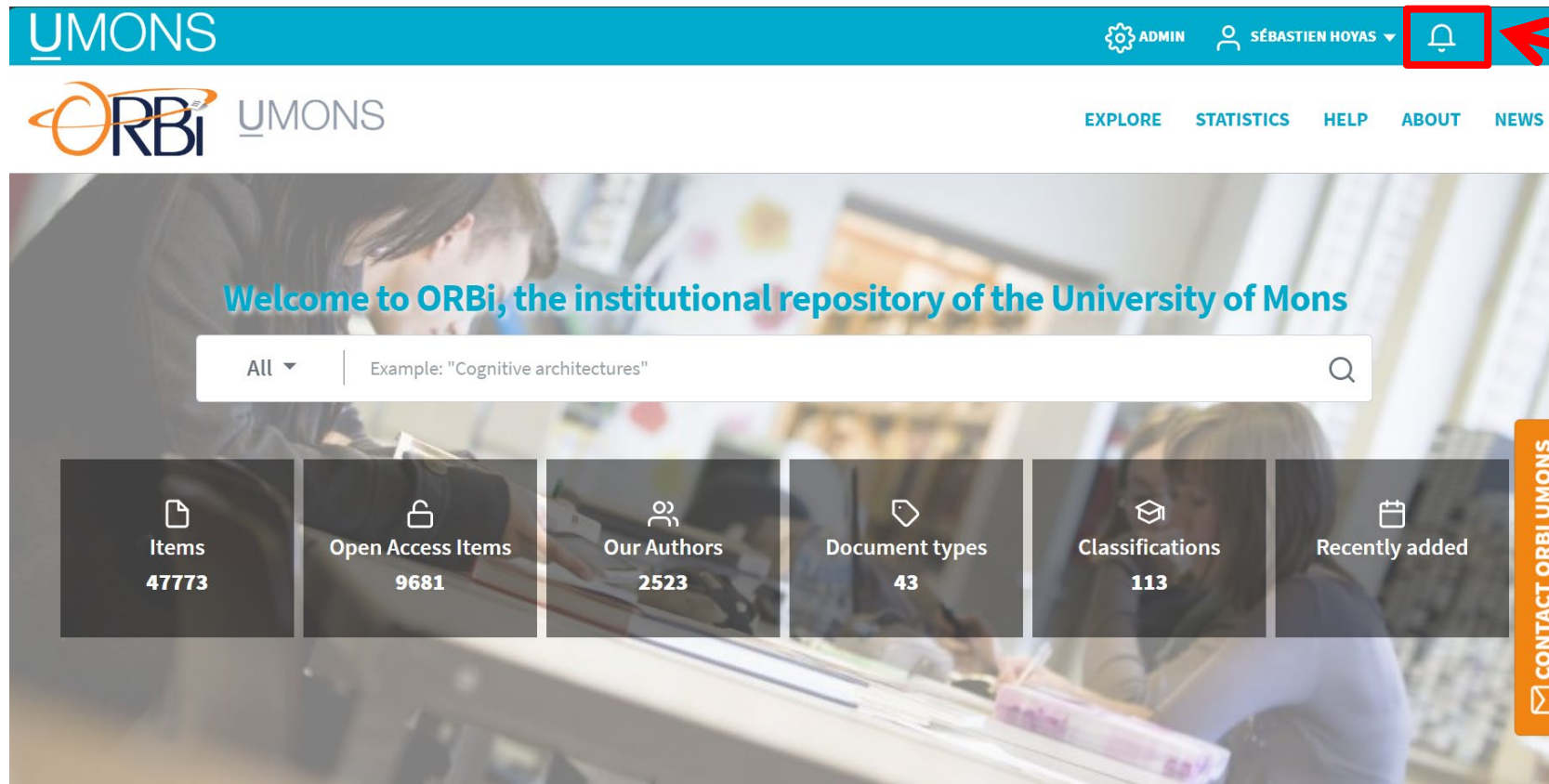
Scimago: « prestige » indicator

A journal's SJR indicator is a numeric value representing the average number of weighted citations received during a selected year per document published in that journal during the previous three years, as indexed by [Scopus](#).

Higher SJR indicator values are meant to indicate greater journal prestige. SJR is developed by the Scimago Lab,^[5] originated from a research group at the [University of Granada](#).

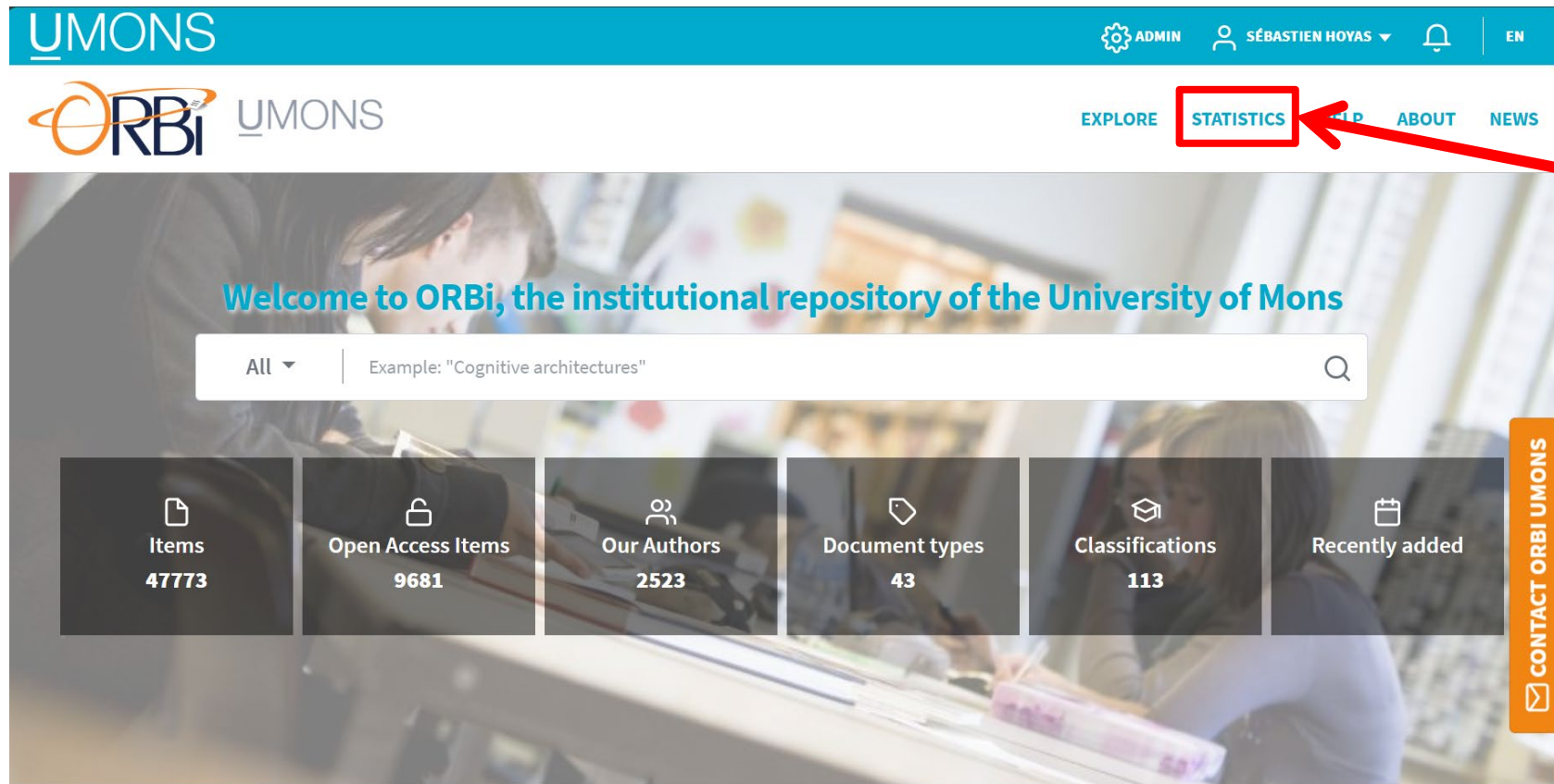


Overview of the interface



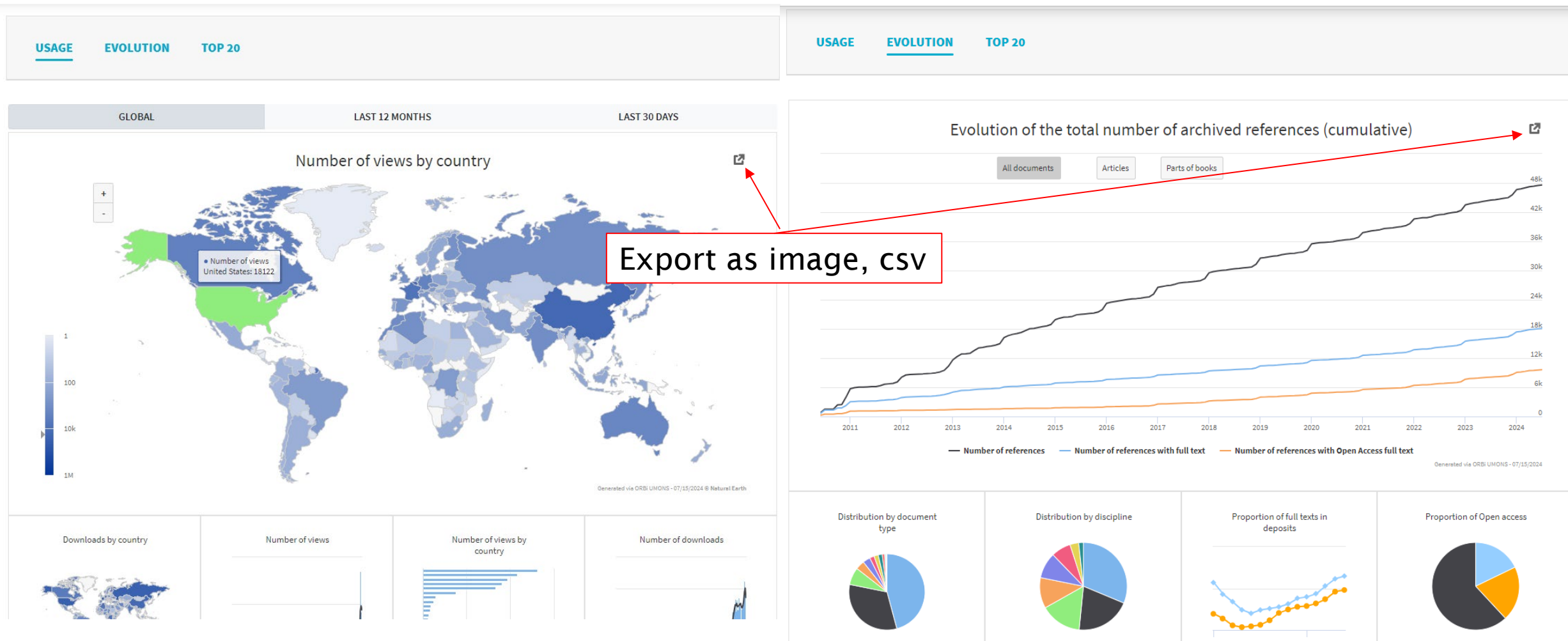
Your notifications
(more on that
later)

Overview of the interface



Statistics of ORBi
Content and usage

Overview of the interface



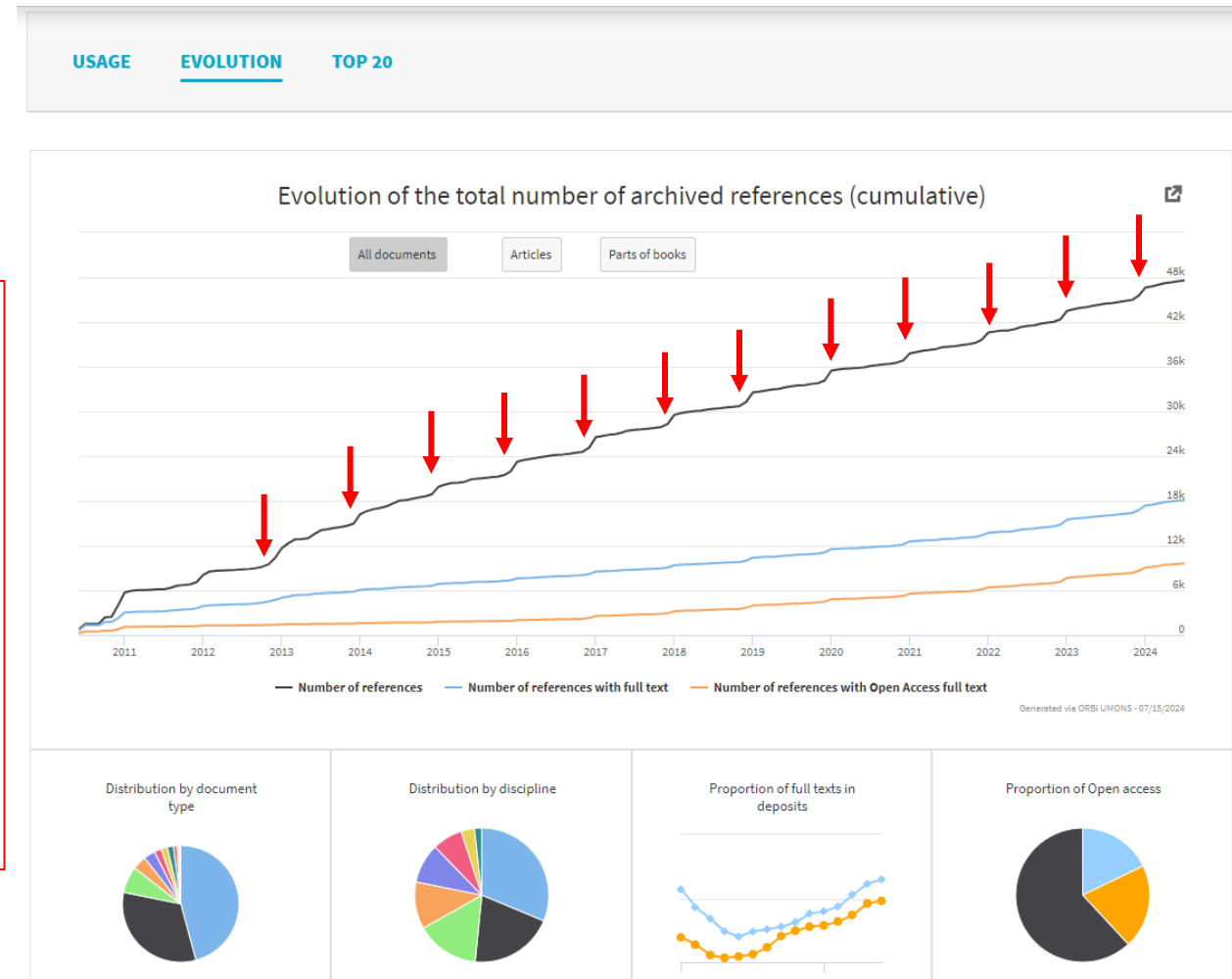
Overview of the interface

Spike of new publications at the end of each year

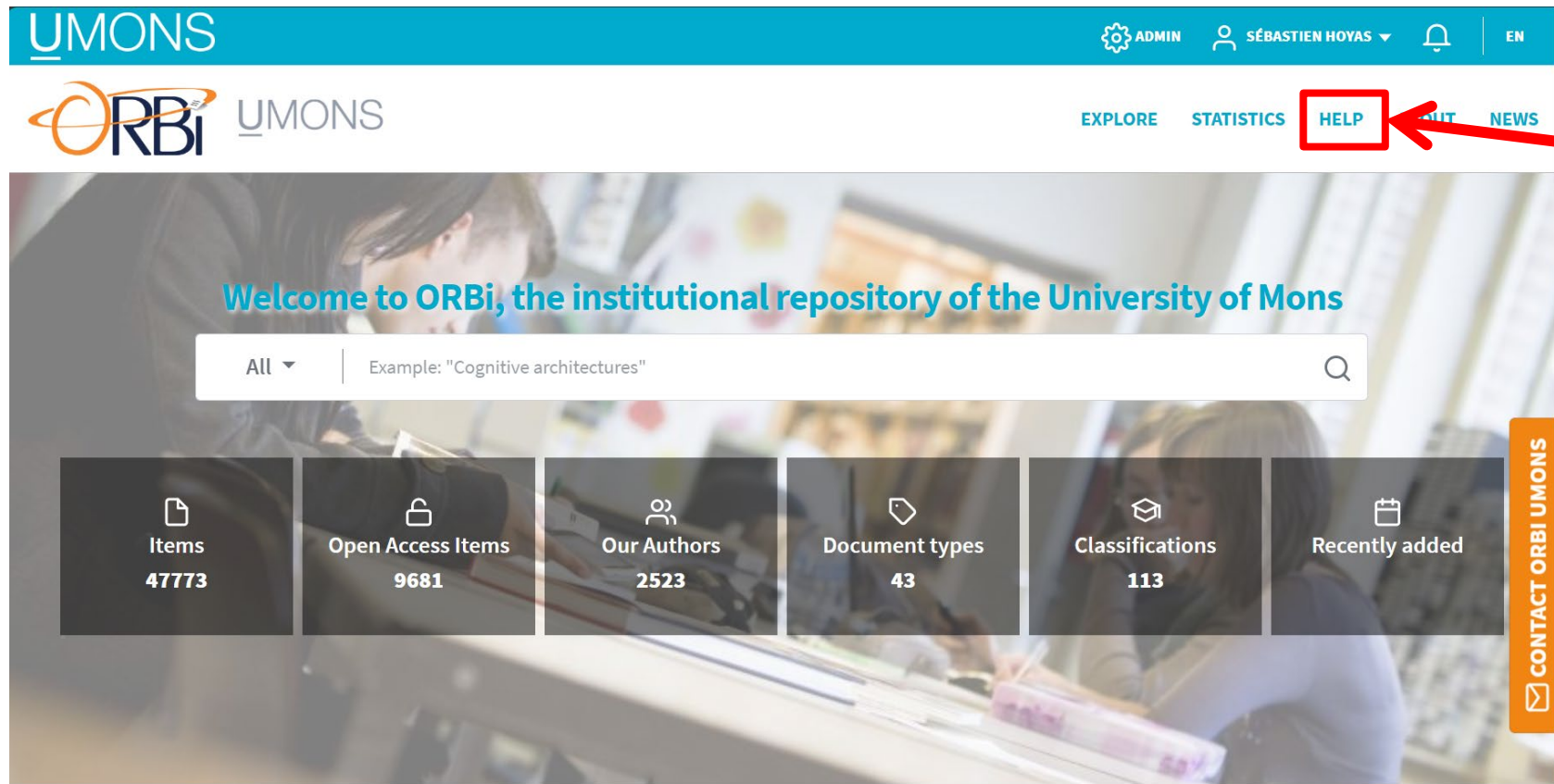
Why?

Because people do not add their new publications as soon as it is produced → **does not respect the mandate**

Please do add your new publications ASAP and do not procrastinate until the end of the year :-)



Overview of the interface



Help pages

Overview of the interface

The screenshot shows the ORBi institutional repository interface. At the top, there is a teal header with the UMONS logo on the left and a user profile icon with 'LOGIN' and 'EN' on the right. Below the header, the ORBi logo is on the left, and navigation links for 'EXPLORE', 'STATISTICS', 'HELP', 'ABOUT', and 'NEWS' are on the right. The 'HELP' link is active, and a dropdown menu is open, listing various options: 'Start on ORBi (visitor)', 'Start on ORBi (UMONS)', 'MyORBi', 'Link your ORCID', 'Add a new publication', 'Generate a list of publication', 'Improve your visibility', 'Predatory journals', 'Legal information', and 'Representative'. The main content area features a large banner with the text 'Welcome to ORBi, the institutional repository of the University of'. Below the banner is a search bar with a dropdown menu set to 'All' and a search input field containing the text 'Example: "Cognitive architectures"'. At the bottom, there is a row of six dark grey boxes, each containing an icon, a label, and a count: 'Items' (47773), 'Open Access Items' (9681), 'Our Authors' (2523), 'Document types' (43), 'Classifications' (113), and 'Recently added'.

UMONS

ORBi UMONS

EXPLORE STATISTICS **HELP** ABOUT NEWS

Welcome to ORBi, the institutional repository of the University of

All ▾ | Example: "Cognitive architectures"

Items
47773

Open Access Items
9681

Our Authors
2523

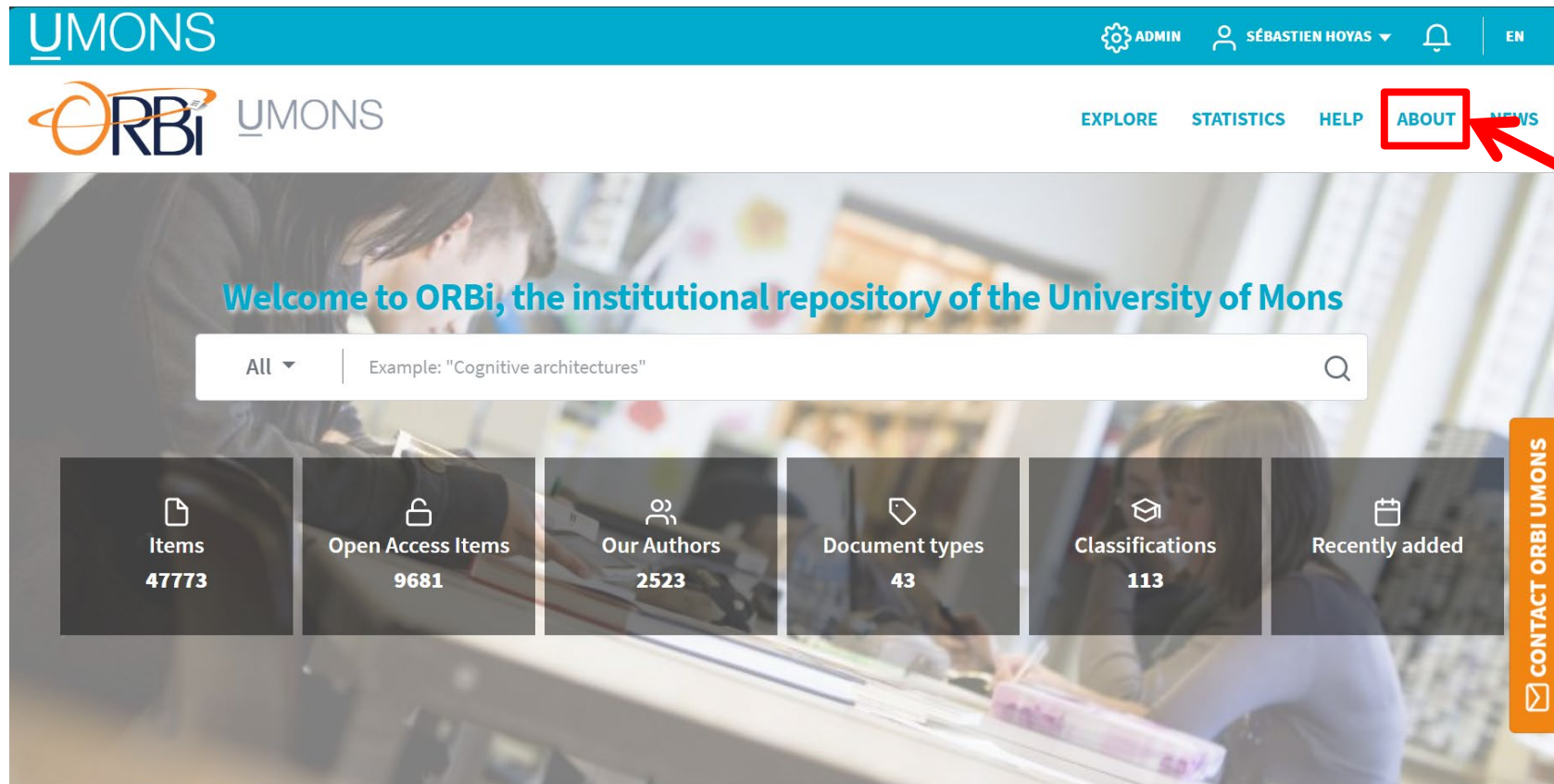
Document types
43

Classifications
113

Recently added

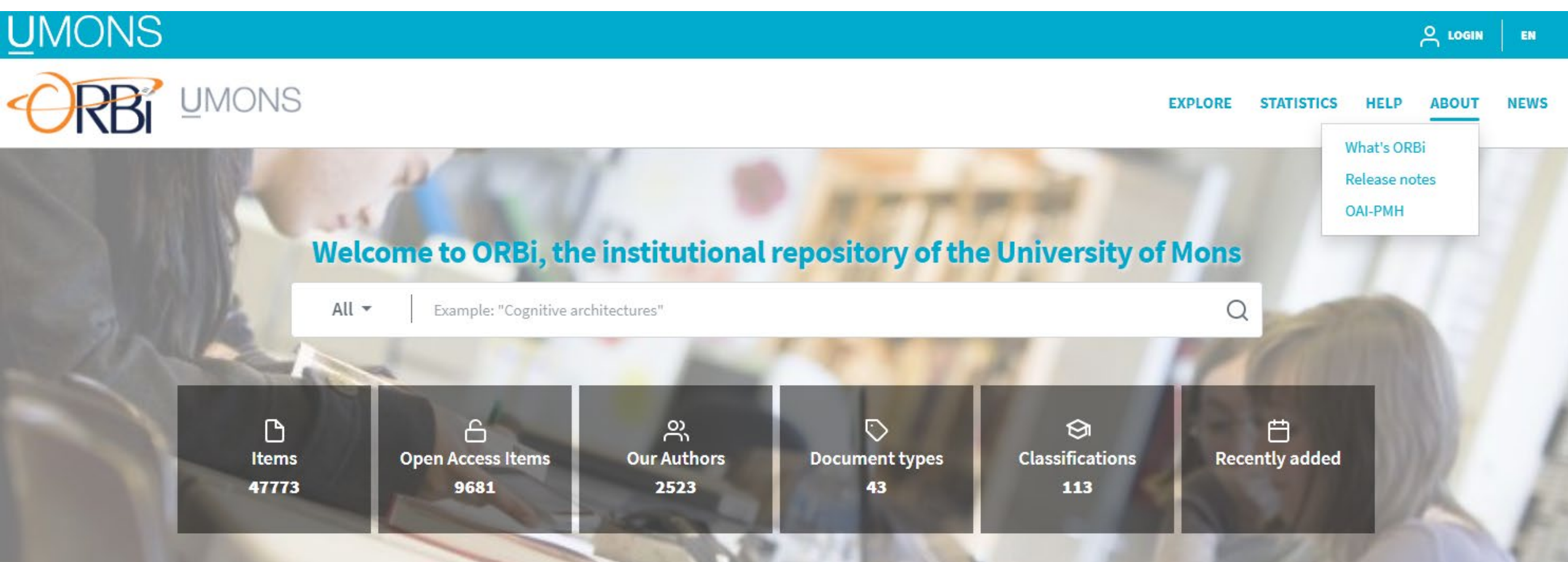
- Start on ORBi (visitor)
- Start on ORBi (UMONS)
- MyORBi
- Link your ORCID
- Add a new publication
- Generate a list of publication
- Improve your visibility
- Predatory journals
- Legal information
- Representative

Overview of the interface



General/technical details

Overview of the interface



The screenshot displays the ORBi institutional repository interface. At the top, a teal header bar contains the UMONS logo on the left and a user profile icon with 'LOGIN' and 'EN' links on the right. Below this, a white navigation bar features the ORBi logo and UMONS text on the left, and a menu with 'EXPLORE', 'STATISTICS', 'HELP', 'ABOUT', and 'NEWS' on the right. The 'ABOUT' menu is expanded, showing 'What's ORBi', 'Release notes', and 'OAI-PMH'. The main content area has a background image of students and a large teal heading: 'Welcome to ORBi, the institutional repository of the University of Mons'. Below the heading is a search bar with a dropdown menu set to 'All' and a search icon. The search bar contains the text 'Example: "Cognitive architectures"'. At the bottom, a row of six dark grey boxes provides statistics: 'Items' (47773), 'Open Access Items' (9681), 'Our Authors' (2523), 'Document types' (43), 'Classifications' (113), and 'Recently added'.

UMONS

ORBi UMONS

EXPLORE STATISTICS HELP ABOUT NEWS

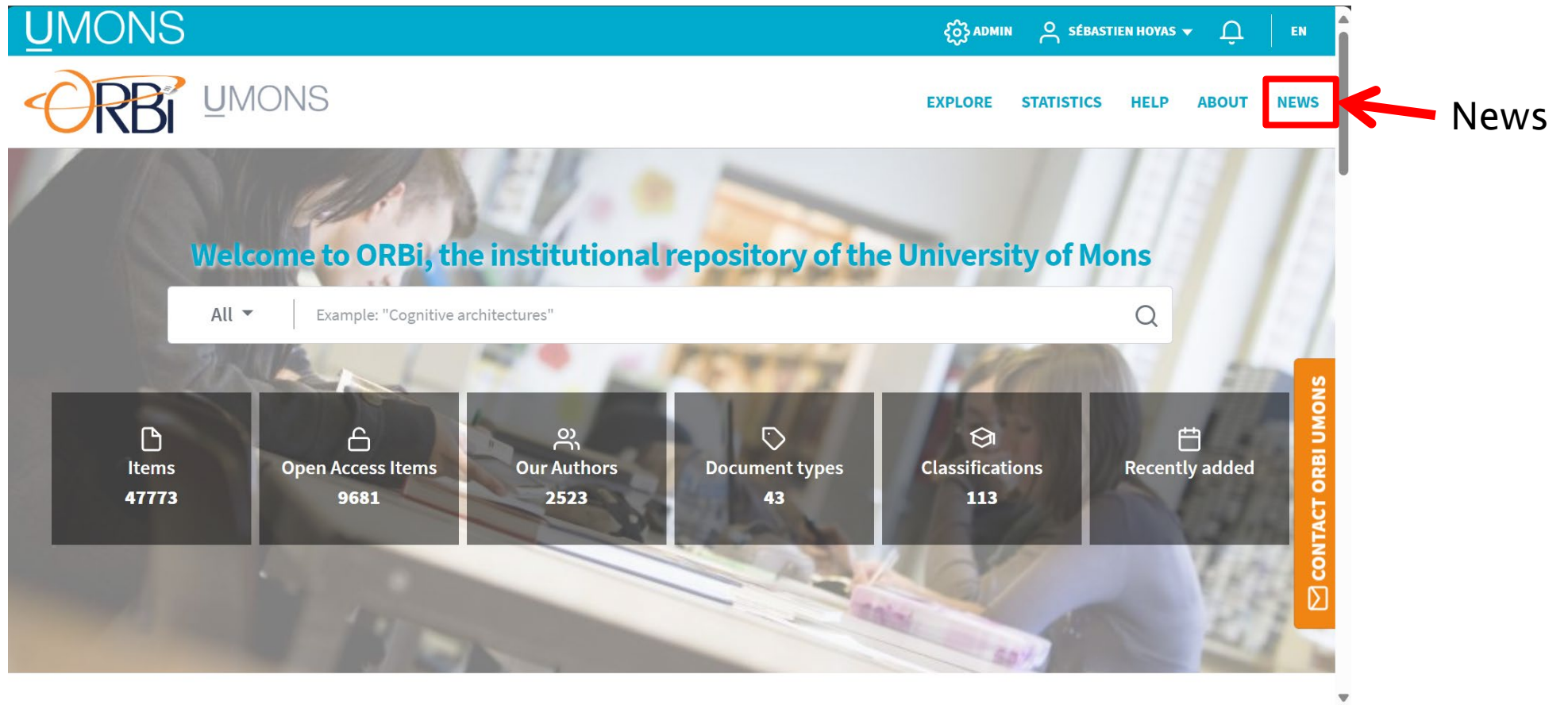
What's ORBi
Release notes
OAI-PMH

Welcome to ORBi, the institutional repository of the University of Mons

All | Example: "Cognitive architectures" 🔍


Icon	Category	Count
📄	Items	47773
🔒	Open Access Items	9681
👤	Our Authors	2523
📁	Document types	43
🎓	Classifications	113
📅	Recently added	

Overview of the interface



Overview of the interface

UMONS

 UMONS

[EXPLORE](#) [STATISTICS](#) [HELP](#) [ABOUT](#) [NEWS](#)

[LOGIN](#) [EN](#)

[← BACK](#) | [HOME](#) > [NEWS](#)

News

June 11, 2024

Introducing “Compass to Publish”

Your trusted guide in the world of academic publishing!

[LEARN MORE](#)

April 9, 2024

New feature : export results in CSV format

We are delighted to announce that you can now export a list of publications in CSV format!

[LEARN MORE](#)

March 12, 2024

New feature : addition of publications outside of UMONS

Did you write articles at another institution before joining UMONS?
It is now possible to add them to your MyORBi to complete your showcase!

[LEARN MORE](#)

How to add a new publication?

How to add a new publication?

- Properly adding a new publication will ensure a proper referencing and visibility for:
 - You
 - Your research unit(s)
 - UMONS
 - Potential future employers
 - ...

You must add your publication as soon as it is accepted (see [ORBi Mandate](#))!

In principle, you should also add your Ph.D. thesis (soon mandatory)
It helps to share with your jury committee and improves your visibility

How to add a new publication?

The screenshot displays the ORBi UMONS website. At the top, a blue navigation bar contains the UMONS logo, an 'ADMIN' link with a gear icon, and a user profile for 'SÉBASTIEN HOYAS' with a dropdown arrow. To the right of the user profile are a notification bell icon and a language selector set to 'EN'. Below the navigation bar, the ORBi UMONS logo is repeated on the left. A red arrow points from the 'EXPLORE' link to the user profile dropdown menu. The menu lists several options: 'MyORBi UMONS', 'My Unfinished Deposits', 'My Publications', 'My Reports', 'My Widgets', 'My Statistics', 'My Profile', 'My Copy Requests', and a 'Logout' option with an external link icon. Below the menu, a search bar is visible with a dropdown menu set to 'All' and a search example: 'Example: "Cognitive architectures"'. The background of the page features a blurred image of a person working at a desk.

UMONS

ADMIN

SÉBASTIEN HOYAS

EN

EXPLORE

MyORBi UMONS

My Unfinished Deposits

My Publications

My Reports

My Widgets

My Statistics

My Profile

My Copy Requests

Logout


All ▼

Example: "Cognitive architectures"

Welcome to ORBi, the institutional repository of the University of Mons

How to add a new publication?

UMONS

 UMONS




ADMIN | SÉBASTIEN HOYAS | EN

EXPLORE | STATISTICS | HELP | ABOUT | NEWS

← BACK | HOME > MYORBI UMONS

References to complete (1)


Statistics

 Archived references 41	 Number of views 317 (148 by UMONS)	 Number of downloads 655 (50 by UMONS)
---	--	---

[MORE STATISTICS](#)

Last added publications

ADD A PUBLICATION



POSTER (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Enabling FAIR Data through Peer-to-Peer support: The Brussels-Wallonia Federation Data Ambassadors Network Method

Biernaux, Judith; Desterbecq, Joëlle; Hoyas, Sébastien

2024 • EOSC - National Tripartite Event: Belgium

[EDIT](#)

Submitted by you - Last modified 2024-04-30 11:01

How to add a new publication?

[← BACK](#) | [HOME](#) > [MYORBI UMONS](#) > [NEW SUBMISSION](#)

New submission

By submitting your publications to ORBi you agree to abide by the terms of our Deposit Charter. [LEARN MORE](#)

[IMPORT
BY DOI...](#)

[ENCODE
MANUALLY](#)

[IMPORT A LIST
OF REFERENCES](#)

[EXTRACT FROM
PUBLISHER PDF](#)

You can import a reference by entering one of these publication identifiers: DOI (recommended), PubMed ID, Scopus ID, arXiv

ID (e.g. 10.1016/S1474-4422(17)30371-X)

Accepted formats:

DOI: 10.1016/S1474-4422(17)30371-X
Pubmed: 29122524
Scopus: 2-s2.0-85033217848
ArXiv: 1805.00021v2

SEARCH

[BACK TO MYORBI UMONS](#)

How to add a new publication?

ORBi Deposit Charter

← BACK | HOME > MYORBI UM

New submission

By submitting your publication

IMPORT
BY DOI...

ENCLOSURE
MAN

You can import a reference

ID (e.g. 10.1016/S1016-7169(02)00001-0)

Accepted formats:

DOI:	10.1016/S1016-7169(02)00001-0
Pubmed:	291
Scopus:	2-s2.0-1016-7169(02)00001-0
ArXiv:	180

BACK TO MYORBI UMONS

ORBi's mission is to reliably reflect the scientific output of the researchers at the University of Mons. Therefore, it is essential that the deposits made by authors strictly correspond to the publications and communications they represent. This is a matter of ethics and scientific integrity that impacts the credibility of both the authors and the institution itself.

Depositors on ORBi agree to adhere to the following principles :

- Deposits on ORBi are limited to scientific productions, which aim to create or disseminate knowledge. This includes published scientific works, unpublished scientific productions, or scientific outreach materials. ORBi is not a platform for personal opinions, propaganda, or content not backed by genuine scientific methodology. The University of Mons reserves the right to remove any document that violates ethical standards or scientific integrity without prior notice (see [Board of Directors - CA 131 - Point 14 - Annex 23 - CEIS Regulation.pdf - All documents \(sharepoint.com\)](#))
- ORBi publication lists are used in internal and external evaluations (notably F.R.S.-FNRS applications). Therefore, depositors should be aware that ORBi deposits cannot be deleted, except by the ORBi team in truly exceptional circumstances (e.g., publisher retraction, duplication).
- Authors remain fully responsible for deposits made in their name, even if the deposit work was delegated to an agent or co-author. If any irregularities are identified during or after validation, the authors must correct or arrange for corrections to ensure full compliance with reality.
- In the case of collective works, deposits on ORBi must be transparent and respect the respective authors' rights, including the right of attribution^[1]. In case of disputes, UMONS authorities (Ethics and Scientific Integrity Council) will resolve the issue.
- The choice of document type on ORBi must accurately represent the actual publication.
- Only documents that have been officially accepted for publication can be deposited on ORBi as published works. A submitted but not yet accepted article should be classified as an unpublished e-print.
- For oral communications at conferences, if they were published in proceedings without significant reworking (only formal or minor changes were made), they should appear only once under "Published Communication in a Journal" or "Published Communication in a Book," as appropriate. However, if the oral communication was significantly reworked into the published version, both texts can be considered different works and appear in both sections.
- Authors must respect intellectual property and image rights, using only images that are either in the public domain or for which they have obtained usage rights. Authors will be responsible for any complaints from rights holders.

During the deposit process, special attention should be given to the following points :

- **The document type** must accurately match the reality of the publication. For example, a simple abstract published in a journal is not a scientific journal article. If a communication was presented but not published, it is classified as an oral communication. Similarly, an article in a general public magazine cannot be categorized as a "Scientific Journal Article."
- **All authors of a publication** must be listed in the exact order they appear in the publication. Only authors actually appearing in the publication can be included. UMONS members must be selected from the list of university members provided by ORBi.
- The term "**co-first**" or "**co-last**" author can only be used if explicitly indicated in the publication that these authors played an equivalent role.
- The status of author/co-author must reflect the actual role in the creation of the work. Individuals who contributed indirectly (e.g., participating in related research activities) can be listed as "Other Collaborator" on ORBi, provided they are explicitly mentioned in the work.
- To indicate that a publication is "**peer-reviewed**", it must have undergone validation by a review committee of scientists who are experts in the same field and independent of the journal's editorial board. If the reviewers are part of the editorial board, the publication should be marked as "**editorial reviewed**". The depositor is responsible for choosing or modifying the review status of a document on ORBi.
- **The publication year** must be correct for proper identification. Publications archived as "in press" should be updated with the exact date once known.
- The **title of the reference** on ORBi must be identical to the title in the publication as stated by the publisher.
- Information provided must be precise enough to identify the publication without ambiguity. For example, provide complete details for an event (title, organizer, date, etc.).
- When depositing the **full text**, whether mandatory or voluntary, the document must contain the entire text of the published work, not just a summary or other partial content.
- If the publication is released under a Creative Commons license, the full text must be deposited with the appropriate Creative Commons license mentioned.
- Adding keywords, abstracts, or other metadata is not mandatory but enhances the visibility of the publication and its authors.

The ORBi team at UMONS is available to authors and depositors for any questions regarding this charter and any queries related to depositing on ORBi.

<https://orbi.umons.ac.be/page/orbi-charter>

^[1] The right of attribution means that the author has the right to demand and claim at any time the mention of their name and their contributions on any mode of publication of their work

How to add a new publication?

ORBi Deposit Charter

← BACK | HOME > MYORBI UM

New submission

By submitting your publication, you agree to the ORBi deposit charter and any

IMPORT
BY DOI...

ENCLOSURE
MAN

You can import a reference by its DOI (e.g. 10.1016/S1056-7936(03)00178-9)

ID (e.g. 10.1016/S1056-7936(03)00178-9)

Accepted formats:

DOI:	1016
Pubmed:	291
Scopus:	2-s
ArXiv:	180

BACK TO MYORBI UMONS

During the deposit process, special attention should be given to the following points :

- The document type must accurately match the reality of the publication. For example, a simple abstract

1.Purpose: ORBi aims to enhance the visibility and accessibility of UMONS research outputs by providing a centralized platform for depositing and disseminating scholarly works.

- **2.Open Access:** The charter emphasizes the importance of open access to research, encouraging authors to make their publications freely available whenever possible.

- **3.Quality Control:** It ensures that all deposited works meet certain quality standards, including peer-reviewed publications and validated research outputs.

- **4.Copyright and licensing:** Authors retain their copyright and are encouraged to use licenses that allow for broad dissemination and reuse of their work.

- **5.Responsibilities:** Researchers are responsible for the accuracy and completeness of their submissions, and the university provides support and guidance for using the repository.

- **6.Benefits:** The repository aims to increase the impact and citation of UMONS research, facilitate academic collaboration, and support the university's mission of knowledge dissemination.

- Authors must respect intellectual property and image rights, using only images that are either in the public domain or for which they have obtained usage rights. Authors will be responsible for any complaints from rights holders.

queries related to depositing on ORBi.

How to add a new publication?

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PUBLISHER PDF](#)

You can import a reference by entering one of these publication identifiers: DOI (recommended), PubMed ID, Scopus ID, arXiv

ID (e.g. 10.1016/S1474-4422(17)30371-X)

Accepted formats:

DOI: 10.1016/S1474-4422(17)30371-X
Pubmed: 29122524
Scopus: 2-s2.0-85033217848
ArXiv: 1805.00021v2

SEARCH

[BACK TO MYORBI UMONS](#)

Import By DOI

- Easiest for scientific articles, preprints
- **Recommended**

Import a list of references

- Similar to DOI, but requires you to build the list of references using external tools

Extract from published PDF (AI-based)

- **NOT RECOMMENDED FOR NOW**

Encode manually

- Suitable for any type of documents

Import by DOI
Equivalent to manual
encoding, *but faster*

Import by DOI

New submission

By submitting your publications to ORBi you agree to abide by the terms of our Deposit Charter. [LEARN MORE](#)

Results for "10.1002/mas.21745"

ARTICLE (SCIENTIFIC JOURNALS)

Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. (2023)

Quentin Duez, Sébastien Hoyas, Thomas Josse ...

In *Mass spectrometry reviews* • ISSN:1098-2787 • ISSN:0277-7037

[10.1002/mas.21745](#)

CONTINUE WITH THIS DATA

Reference built from [PubMed®](#) [Scopus®](#) [Crossref®](#)

← BACK TO FORM

Import by DOI

← BACK | HOME > MYORBI UMONS > CHECK {0} AUTHORS

Check UMONS authors

Please select the author in the following suggestions.

Authors in source:

Quentin Duez ; Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium; Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

Pascal Gerbaux ; Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

Suggestions:

☐ Q **Quentin Duez** ; Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques

☐ **Another person**

☐ P **Pascal Gerbaux** ; Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques

☐ **Another person**

CANCEL

NEXT >

Import by DOI

For any publication, you must go through these 4 steps

1. DESCRIBE

2. ENRICH

3. UPLOAD

4. VERIFY

1. Describe

Import by DOI

1. DESCRIBE

2. ENRICH

3. UPLOAD

4. VERIFY

1. Describe

Describe the reference by filling in the information below

Document type ⓘ* Scientific journals : Article No precision -

Disciplines ⓘ*

Identifiers
DOI: 10.1002/mas.21745
PubMed: 34747528

Authors ⓘ*

1. **Duez, Quentin**
Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques

2. **Hoyas, Sébastien**
Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium ;
Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

3. **Josse, Thomas**
Materia Nova-R&D Center, Mons, Belgium

4. **Cornil, Jérôme**
Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

5. **Gerbaux, Pascal**

Author, co-author

☐ Co-First
Co-Last ⓘ

Author, co-author

☐ Co-First
Co-Last ⓘ

Author, co-author

☐ Co-First
Co-Last ⓘ

Author, co-author

☐ Co-First
Co-Last ⓘ

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Describe the reference by filling in the information below

Document type ? *

Scientific journals : Article

No precision -

Disciplines ? *

Identifiers

DOI: 10.1002/mas.21745

PubMed: 34747528

Authors ? *

1. Duez, Quentin
Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques

2. Hoyas, Sébastien
Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium ;
Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

3. Josse, Thomas
Materia Nova-R&D Center, Mons, Belgium

4. Cornil, Jérôme
Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

5. Gerbaux, Pascal

Author, co-author

☐ Co-First
☐ Co-Last

Author, co-author

☐ Co-First
☐ Co-Last

Author, co-author

☐ Co-First
☐ Co-Last

Author, co-author

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☐ Co-Last

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Describe the reference by filling in the information below

Document type ? *

Scientific journals : Article

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Disciplines ? *

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3. **Josse, Thomas**
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Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

5. **Gerbaux, Pascal**

Author, co-author

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Author, co-author

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Author, co-author

Co-First Co-Last

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43

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Definitions

Scientific periodicals

Article

The result of an academic work published in a scientific periodical generally peer-reviewed or at least submitted for proof reading to a committee of experts in the domain.

Short communication

An original scientific article that briefly summarises a more complete or in-process research work. Can also be included in this typology: clarifications or short summaries in relation to a theme which have the characteristics of an article in terms of scientific quality.

Book review

A text whose goal is to present or analyse a work or works by a specialist in the domain.

Letter to the editor

Letter addressed to an editor in reaction to an article he/she has published. This type of document is most commonly found in the STM domain (Scientific/Technical/Medical).

Complete issue

Entire issue/special supplement of a scientific periodical dedicated to a specific subject (theme, event, etc.).

In this case, the ORBi submitter exercises the function of publication director or scientific editor for the entire issue.



Other

Category reserved for texts published in scientific periodicals that do not fall into one of the categories above. Examples: an editorial, an erratum, an introduction to a special supplement/issue of a periodical, etc. Clarifications on the content can be entered in the "Comments" field of the ORBi submission form.

In this example

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Disciplines ⓘ* ▾  

Identifiers

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Business & economic sciences ▸

Engineering, computing & technology ▸

Human health sciences ▸

Law, criminology & political science ▸


Life sciences ▸

Physical, chemical, mathematical & earth Sciences ▸

Social & behavioral sciences, psychology ▸

Materials and Polymers (CIRMAP), University of Mons

Service de Synthèse et

Author, co-author ▾ 

☐ Co-First ⓘ

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2.

Chemistry


Earth sciences & physical geography

Mathematics

Physics

Space science, astronomy & astrophysics


Multidisciplinary, general & others

Author, co-author ▾ 

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☐ Co-Last ⓘ


3. **Josse, Thomas**
Materia Nova-R&D Center, Mons, Belgium

or, co-author ▾ 

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☐ Co-Last ⓘ

4. **Cornil, Jérôme**
Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in
Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium

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Select the appropriate disciplines

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1.	 Duez, Quentin Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques	Author, co-author ▾	
2.	Hoyas, Sébastien Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium ; Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium	Author, co-author Critical editor Translator Other collaborator	
3.	Isse, Thomas	Author, co-author ▾	

Select the type of author

Authors ? *

1.	 Duez, Quentin Université de Mons - UMONS > Faculté des Sciences > Service de Synthèse et spectrométrie de masse organiques	Author, co-author ▾ <input type="checkbox"/> Co-First Co-Last	
2.	Hoyas, Sébastien Organic Synthesis and Mass Spectrometry Laboratory, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium ; Laboratory for Chemistry of Novel Materials, Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, UMONS, Mons, Belgium	Author, co-author ▾ <input type="checkbox"/> Co-First Co-Last	

Check co-first/co-last
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Language  *	<div>English</div>		
Title  *	<div>Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry.</div>		
Alternative titles 	<div></div>	<div></div>	<div> </div>
Original title 	<div></div>	<div></div>	
Publication date  *	<div>2023</div>	<div>Month</div>	<div>Day</div>
Journal  *	<div>Mass Spectrometry Reviews • ISSN:0277-7037 • eISSN:1098-2787 Edited by John Wiley and Sons Inc (United States) Peer-Reviewed</div>		
Special issue title 	<div></div>		
Volume 	<div>42</div>	Issue 	<div>4</div>
		Pages 	<div>1129 - 1151</div>
Peer reviewed  *	<div><input type="radio"/> Not Reviewed <input checked="" type="radio"/> Peer reviewed <input type="radio"/> Editorial reviewed</div>		

Self-explanatory

Import by DOI

Language ⓘ * English

Title ⓘ * Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry.

Alternative titles ⓘ

Original title ⓘ

Publication date ⓘ * 2023 Month Day

Journal ⓘ * Mass Spectrometry Reviews • ISSN:0277-7037 • eISSN:1098-2787
Edited by John Wiley and Sons Inc (United States)
Peer-Reviewed

Special issue title ⓘ

Volume ⓘ 42 Issue ⓘ 4 Pages ⓘ 1129 - 1151


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2023
in press
2026
2025
2024
2023
2022



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Language  * English


Title  * Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry.




Alternative titles    


Original title  

Publication date  * 2023  Month  Day 

Journal  * Mass Spectrometry Reviews • ISSN:0277-7037 • eISSN:1098-2787
Edited by John Wiley and Sons Inc (United States)
Peer-Reviewed

Special issue title 

Volume  42 Issue  4 Pages  1129 - 1151

Peer reviewed  * ☐ Not Reviewed ☒ Peer reviewed ☐ Editorial reviewed

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science

Journal title	Science • 0193-4511 [1979 - 1986]
ISSN	Science • 1095-9203 [1885 -]
Publisher	Science Activities • 0036-8121
	Science Advances • 2375-2548 [2015 -]
	Science and Children • 0036-8148 • 1943-4812
	Science and Christian Belief • 0954-4194
	Science and Culture • 0036-8156
	Science and Education • 0926-7220
	Science and Education • 1994-0408
	Science and Engineering Ethics • 1353-3452 • 1471-5546
	...
	Publication's journal not in list
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Enter journal title, issn or eissn

Journal title * science

ISSN eISSN

Publisher

Name: City:

Country: City:

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Import by DOI

Publication date ⓘ* 2023 ▾ | Month ▾ | Day ▾

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Mass Spectrometry Reviews • ISSN:0277-7037 • eISSN:1098-2787
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Special issue title ⓘ

Volume ⓘ 42 | Issue ⓘ 4 | Pages ⓘ 1129 - 1151

Peer reviewed ⓘ*
☐ Not Reviewed ☒ Peer reviewed ☐ Editorial reviewed

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2. Enrich

Import by DOI

2. Enrich

Optimize the visibility of your publication on the web by enriching its description (keywords, summary, etc.)

Keywords 



computational chemistry × ion mobility spectrometry × polymers × Data fittings ×


Dispersity × Gas-phase structures × Gaseous ions × Physico - chemical parameters ×

Spatial structure × Structural parameter × Synthetic polymers × Theoretical approach ×

Analytical Chemistry × Condensed Matter Physics ×


Biochemistry, Genetics and Molecular Biology (all) × Spectroscopy ×


 

Abstract 



An increasing number of studies take advantage of ion mobility spectrometry (IMS) coupled to mass spectrometry (IMS-MS) to investigate the spatial structure of gaseous ions. Synthetic polymers occupy a unique place in the field of IMS-MS. Indeed, due to their intrinsic dispersity, they offer a broad range of homologous ions with different

English ▾


Development Goals 


- No Goal - ▾



 


Additional URL 



<https://onlinelibrary.wiley.com/doi/pdf/10.1002/mas.21745>


Research center 


 

Research unit  *

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Research institute  *

- Same logic as before (mandatory fields, etc.)
- It is not mandatory to use keywords or put an abstract, but it is highly recommended to enhance your referencing
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Research unit ⓘ*

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Research institute ⓘ*

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- Research units and institutes are very important! They are used as keys to create the annual activity reports and also build the list of publication of all labs and institutes on the UMONS webiste
- You must at least select one research unit and one research institute (type the names in the bar)
- If you are not sure, ask you principal investigator

Import by DOI

Research unit ⓘ*

S836 - Synthèse et spectrométrie de masse organiques

S817 - Chimie des matériaux nouveaux

|

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Research institute ⓘ*

Complexys

Matériaux

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- Your publication was done in another institution (previous PhD/postdoc)
- Your publication is not part of a research unit/institute (you work in an administrative department)


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European Projects 


Name of the research project 

Funders 

Funding number 

Funding text 


Quentin Duez thanks the FNRS for his PhD grant. Sébastien Hoyas thanks the “Fonds pour la Recherche Industrielle et Agricole” for his PhD grant. Jérôme Cornil is a FNRS research fellow.

Data Set 

URL: Dataset persistent URL

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Comments:

Commentary 

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< PREVIOUS

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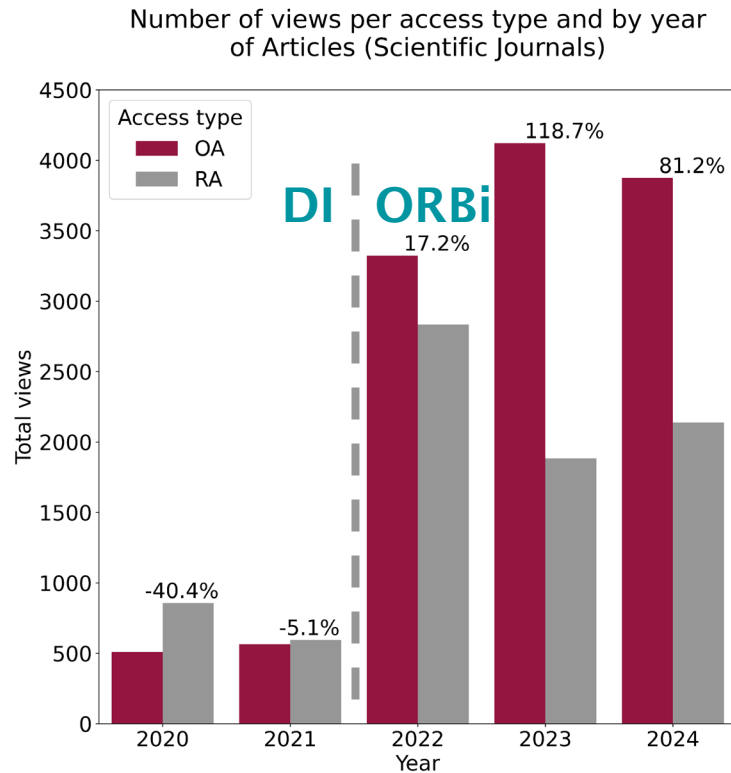
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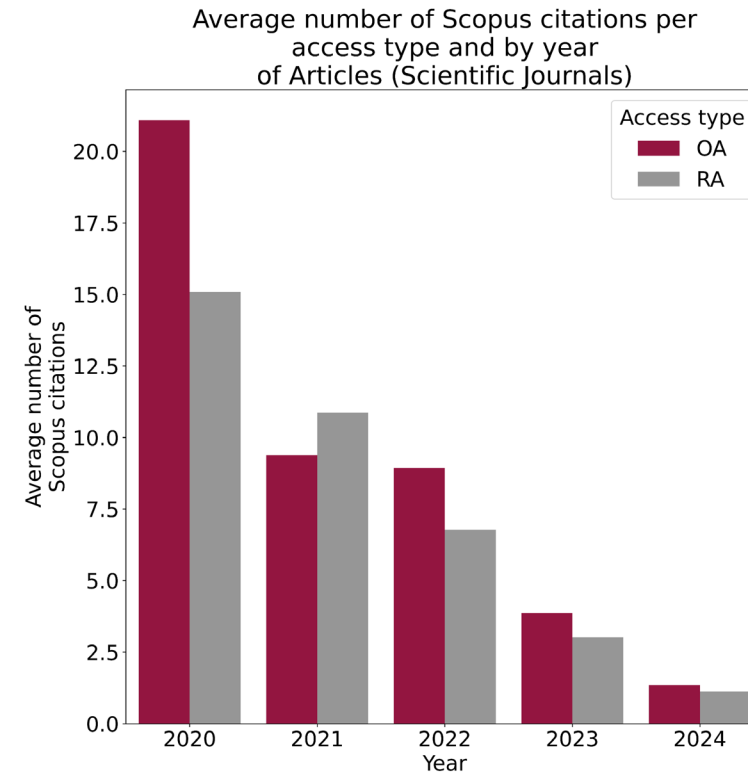
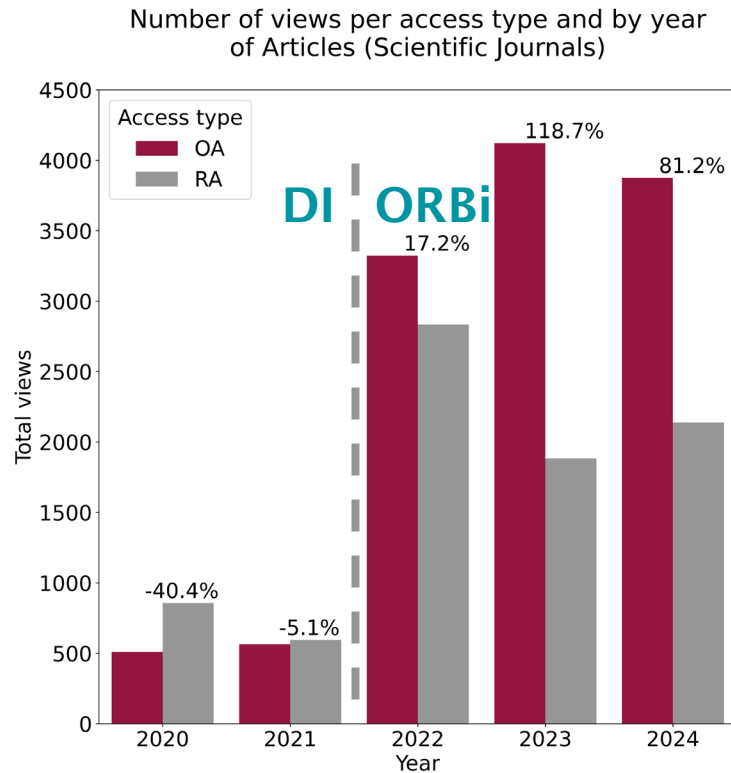
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Scientific Publishing Models

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- **Open Access:** researchers/universities submit their work **and may pay** so that **ANY** readers can freely access the article.
- **Hybrid:** same as the traditional paid mode, with extra fee for publishing in open access (**to be avoided**).

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The fees are typically between 1.000 and 10.000 € !!! Fees keep rising...

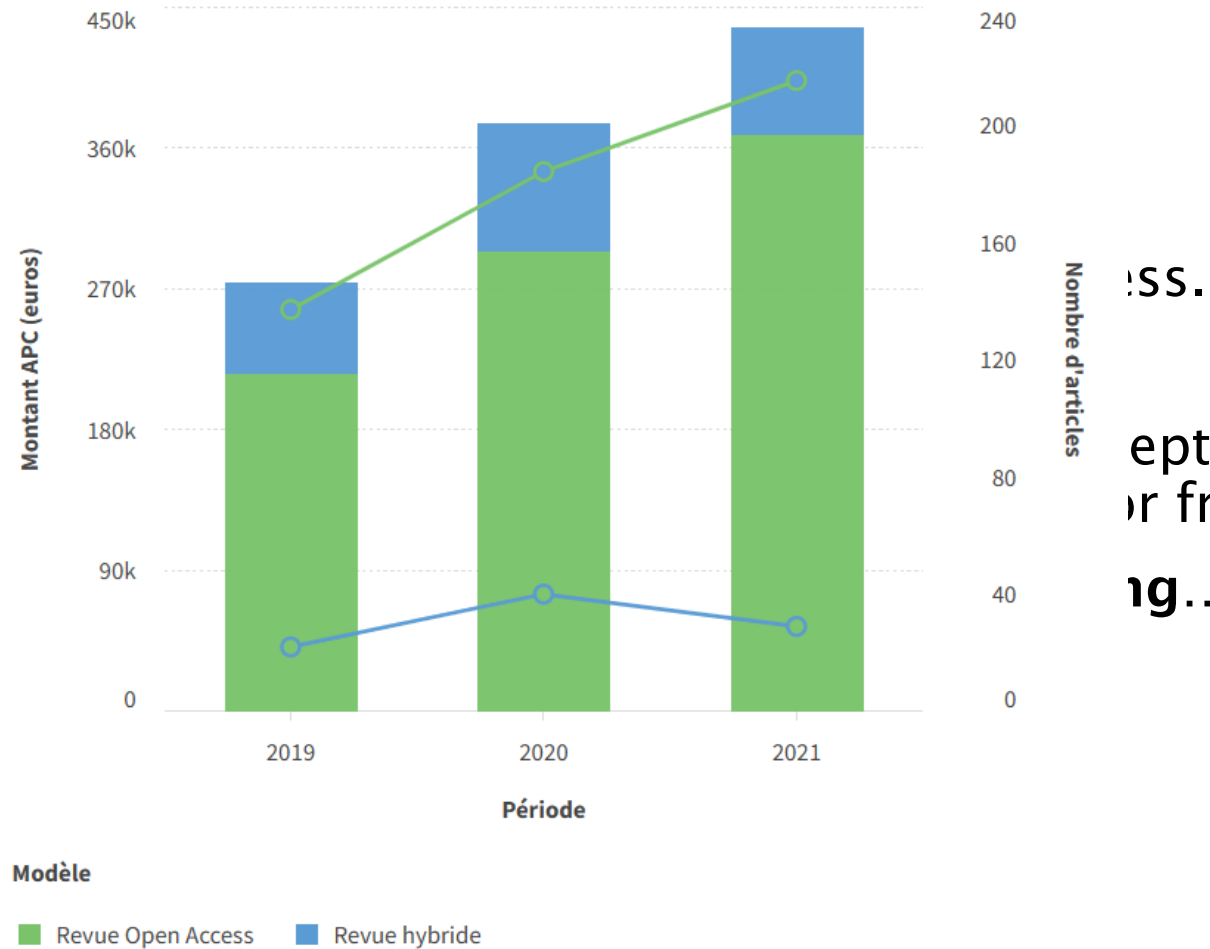
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- **Collaboration:** expand the pool of expertise and bring diverse perspectives to scientific problems.
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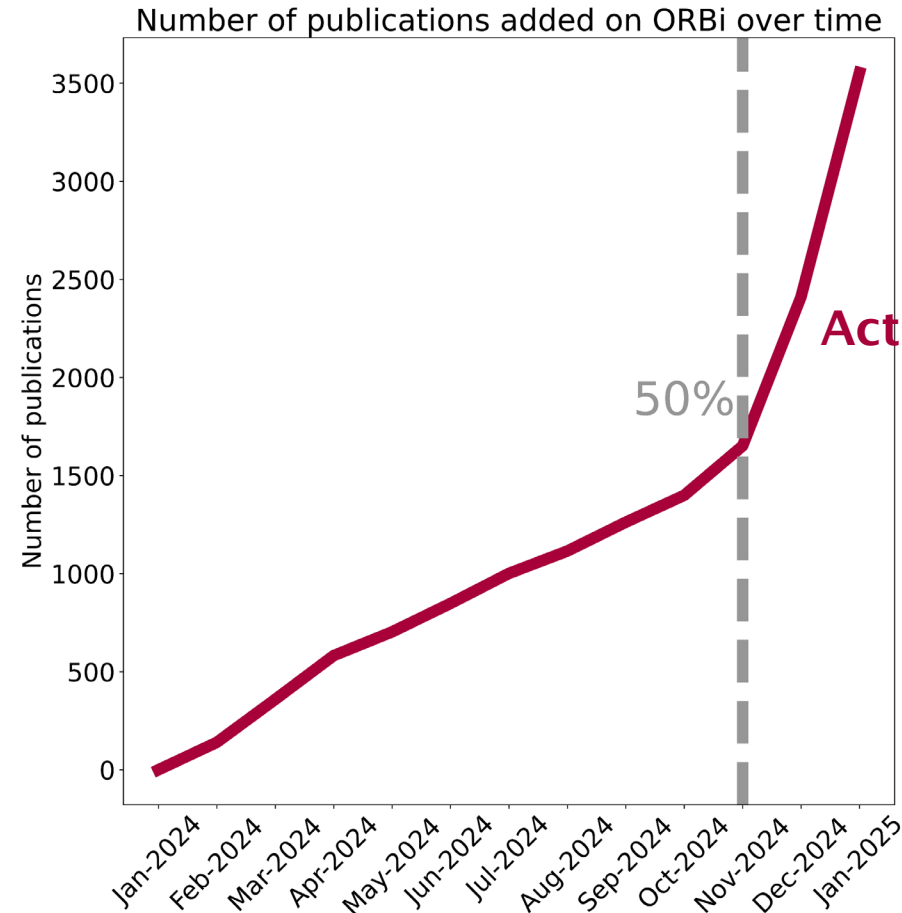
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p.3

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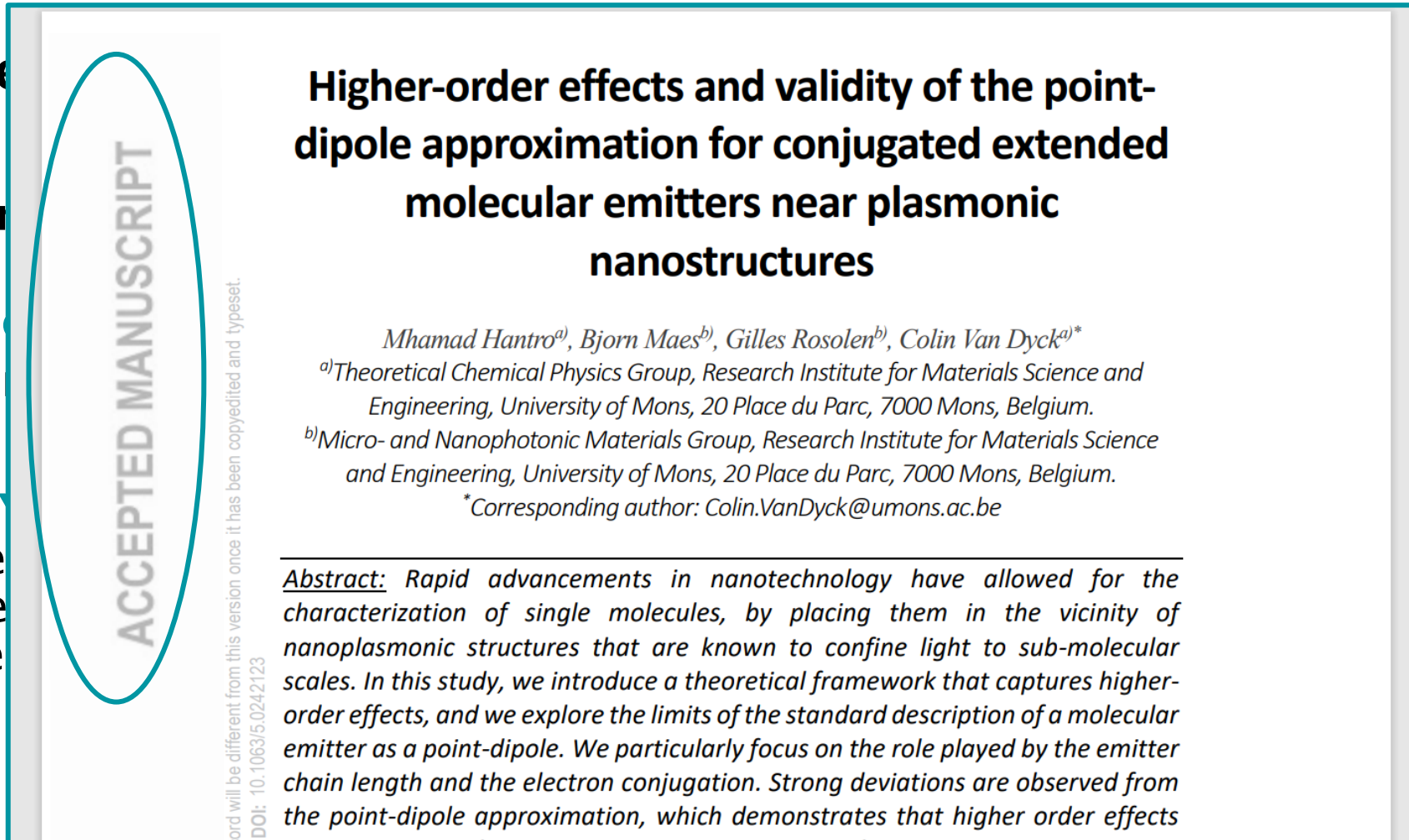
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2023 • In *Mass Spectrometry Reviews*, 42 (4), p. 1129 - 1151

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Hoyas, Sébastien ^U ; Lemaure, Vincent ^U ; Duez, Quentin ^U et al.

2018 • In *Advanced Theory and Simulations*, 1, p. 1-14

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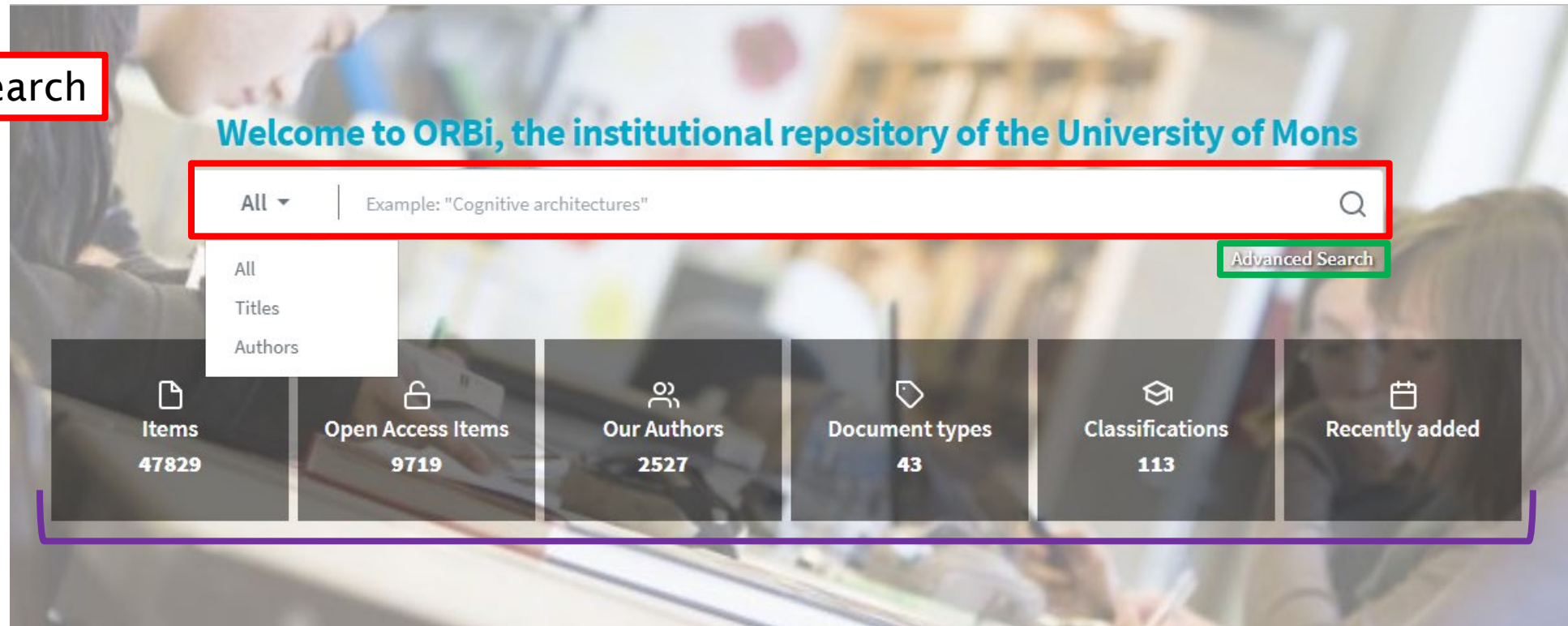
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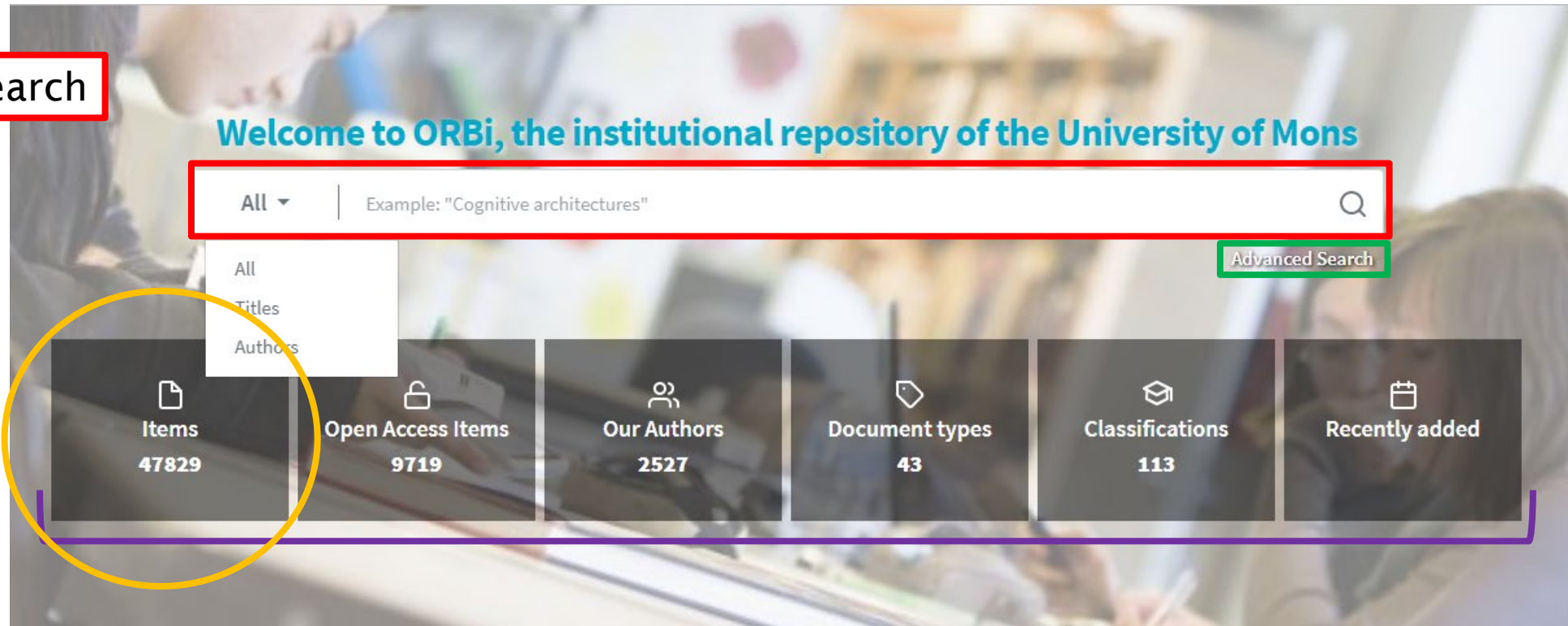
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|-----------------------------------|------|
| <input type="checkbox"/> In press | 277 |
| <input type="checkbox"/> 2024 | 729 |
| <input type="checkbox"/> 2023 | 2760 |
| <input type="checkbox"/> 2022 | 2730 |
| <input type="checkbox"/> 2021 | 2535 |

[+ See all](#)

Author ^

- | | |
|---|------|
| <input type="checkbox"/> LAURENT, Sophie | 1504 |
| <input type="checkbox"/> DUBOIS, Philippe | 1181 |
| <input type="checkbox"/> MULLER, Robert | 1095 |

LIMIT TO

EXCLUDE

Results 1-10 of 47829



by issue date (descending)



EXPORT ▾

PAPER PUBLISHED IN A JOURNAL (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Ethos de l'apprenti-traducteur en 2020

Pieropan, Laurence

In press

UNPUBLISHED CONFERENCE/ABSTRACT (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Les ruptures scolaires au début de l'adolescence : une approche compréhensive

Vienne, Philippe

In press • « L'enjeu et le processus adolescents : Regards croisés sur la génération montante de notre société », Coordination laïque de l'action sociale et de la santé (CLASS) & Centre régional du Libre Examen Bruxelles

OTHER (OWNERS SPEECHES AND WRITINGS)

Search for publications

All available filters:

References ▾
Year issued ▾
Author ▾
Document type ▾
Language ▾
Journal ▾
Funder ▾
Discipline ▾
Subject ▾
Publisher ▾
Research unit ▾
Research institute ▾

LIMIT TO

EXCLUDE

Can be combined (do not forget to click on « Limit to » or « Exclude » to apply your filters!

Search for publications

Example:

← BACK | HOME > SEARCH RESULTS

Search Results

Advanced Search

Applied Filters

- in open access X
- 2024 X
- Article (Scientific journals) X
- S817 - Chimie des matériaux nou... X

References ^

- ☐ with full-text 3
- ☐ peer review 3

Author ^

- ☐ BELJONNE, David 2
- ☐ LEMAUR, Vincent 2
- ☐ Sirringhaus, Henning 2
- ☐ Banerji, Natalie 1
- ☐ Bovoloni, Michelangelo 1

LIMIT TO EXCLUDE

BELJONNE, David Results: 2 ref.


LEMAUR, Vincent Results: 2 ref.


DELLEME, David Results: 1 ref.

SEE MORE AUTHORS [U](#) >

Results 1-3 of 3

by issue date (descending) EXPORT

**ARTICLE (SCIENTIFIC JOURNALS)**
Selectivity in the chiral self-assembly of nucleobase-arylazopyrazole photoswitches along DNA templates
Nogal, Noemí; Guisán, Santiago; Dellemme, David [U](#) *et al.*
2024 • In *Journal of Materials Chemistry B*, 12 (15), p. 3703 - 3709
✓ Peer Reviewed verified by ORBi




**ARTICLE (SCIENTIFIC JOURNALS)**
Spin relaxation of electron and hole polarons in ambipolar conjugated

You can apply new filters on this subset!

Advanced search

Advanced search

Advanced Search

	Global ▾		 
Document type			▾
Discipline			▾
Language			▾
Issue year from		to	▾
References	With or without full text		▾
	<input type="checkbox"/> Peer reviewed only		
			SEARCH 

Advanced search

Global

- Identifier
- Author
- Affiliation
- Promotor
- Title
- Keyword
- Abstract
- Journal
- ISBN
- ISSN/eISSN
- Publisher
- Series
- Funder
- European project
- Research Center
- Research unit
- Research institute
- Research project

Advanced Search

Global

to

With or without full text

☐ Peer reviewed only

SEARCH

Advanced search

Advanced Search

Global ▾

Document type

Discipline

Language

Issue year from ▾ to ▾

References

With or without full text ▾

☐ Peer reviewed only

SEARCH 🔍

- ☐ **Select all**
- ☐ Scientific journals
 - ☐ Article
 - ☐ Short communication
 - ☐ Book review
 - ☐ Letter to the editor
 - ☐ Complete issue
 - ☐ Other
- ☐ Books
 - ☐ Book published as author, translator, etc.
 - ☐ Collective work published as editor or director
- ☐ Parts of books

Advanced search

Advanced Search

Global

Document type

Discipline

Language

Issue year from

References

W

☐ Select all

☐ Arts & humanities

☐ Archaeology

☐ Art & art history

☐ Classical & oriental studies

☐ History

☐ Languages & linguistics

☐ Literature

☐ Performing arts

☐ Philosophy & ethics

☐ Religion & theology

☐ Multidisciplinary, general & others




☐ Peer reviewed only

SEARCH

Advanced search

Example:

Advanced Search

	Author	HOYAS, Sébastien		
Document type		6 selected		
Discipline				
Language				
Issue year from	2018	to	2020	
References		With or without full text		
		<input type="checkbox"/> Peer reviewed only		
				SEARCH 

Advanced search

Example:

[← BACK](#) | [HOME](#) > [SEARCH RESULTS](#)

Search Results

(author_authority:(533288)) AND issued.year:[2018 TO 2020]



[Advanced Search](#)

Applied Filters

Article (Scientific journals)
Other (Scientific journals)
Complete issue (Scientific journals) X
Letter to the editor (Scientific jou...
Book review (Scientific journals)
Short communication (Scientific ...

References ^

☐ in open access 3
☐ with full-text 6
☐ peer review 6

Year issued ^

☐ 2020 3
☐ 2019 2
☐ 2018 1

Author ^

LIMIT TO

EXCLUDE

HOYAS, Sébastien

Results: 6 ref.

LEMAUR, Vincent

Results: 6 ref.

CORNIL, Jérôme

Results: 5 ref.

[SEE MORE AUTHORS](#) [U](#) >

Results 1-6 of 6

by issue date (descending)

EXPORT



ARTICLE (SCIENTIFIC JOURNALS)

Stereoselective ROP of rac- and meso-Lactides using Achiral TBD as Catalyst

Moins, Sébastien [U](#) ; Hoyas, Sébastien [U](#) ; Lemaury, Vincent [U](#) *et al.*

2020 • In *Catalysts*, 20, p. 620-628

Peer Reviewed verified by ORBi



ARTICLE (SCIENTIFIC JOURNALS)

Effects of Electrospray Mechanisms and Structural Relaxation on Polylactide Ion Conformations in the Gas Phase: Insights from Ion Mobility Spectrometry

Improve your visibility

Improve your visibility

- **Publishing in open access, or at least deposit a version in open access will boost your visibility** (*covered earlier*)
- Link ORCID to ORBi
 - **ORCID** is a perennial identifier for researchers used by many publishing and scientific information management systems. Using it allows you to link your different profiles together, manage your digital identity, avoid homonymy issues and automatically update your information.
 - Check [our tutorial](#)
 - **ORBi may be able to export data to ORCID in the future (2026)**

The screenshot shows the ORCID iD profile for Sébastien Hoyas. The header is dark blue with the name 'Sébastien Hoyas' in white. Below the name is the ORCID iD icon and the URL 'https://orcid.org/0000-0003-0170-9444', followed by copy and share icons. A 'Hide record summary' link is on the right. The main content area is divided into three columns: 'AFFILIATIONS' (listing University of Mons and QSimulate), 'WORKS' (listing 13 self-asserted works), and 'OTHER IDENTIFIERS' (listing Scopus Author ID: 57204574710).

Sébastien Hoyas

<https://orcid.org/0000-0003-0170-9444> [▼ Hide record summary](#)

Record summary
[Find out more about record summaries](#)

AFFILIATIONS

- University of Mons
2023-09-01 to present
Data Project Manager
employment
- QSimulate
2021-10-15 to 2023-08-04
Scientist

WORKS

- 13 Self-asserted works

OTHER IDENTIFIERS

- [Scopus Author ID:](#)
57204574710

Your profile

Improve your visibility

- Your ORBi profile

The screenshot shows the ORBi institutional repository website. At the top, there is a blue navigation bar with the 'UMONS' logo on the left, a gear icon labeled 'ADMIN' in the center, and a user profile icon labeled 'SÉBASTIEN HOYAS' on the right. Below the navigation bar, the main header area features the 'ORBi' logo and the 'UMONS' text. A large banner image shows a person working at a computer, with the text 'Welcome to ORBi, the institutional repository of the University of Mons' overlaid. Below the banner, there is a search bar with a dropdown menu set to 'All' and a search input field containing the text 'Example: "Cognitive architectures"'. On the right side of the page, a vertical menu is open, listing various user options: 'MyORBi UMONS', 'My Unfinished Deposits', 'My Publications', 'My Reports', 'My Widgets', 'My Statistics', 'My Profile' (which is highlighted with a red rectangle), and 'My Copy Requests'. At the bottom of this menu is a 'Logout' button with an arrow icon. The overall layout is clean and professional, with a focus on user navigation and search functionality.

UMONS

ADMIN

SÉBASTIEN HOYAS

EXPLORE

ABOUT NEWS

Welcome to ORBi, the institutional repository of the University of Mons

All ▼ | Example: "Cognitive architectures"

MyORBi UMONS

My Unfinished Deposits

My Publications

My Reports

My Widgets

My Statistics

My Profile

My Copy Requests

Logout


Improve your visibility

- Your ORBi profile

ORBi UMONS

EXPLORESTATISTICSHelpABOUTNEWS

Edit your Profile



HOYAS Sébastien

Université de Mons - UMONS > Administration > Direction de l'Administration et Valorisation de la Recherche

Université de Mons - UMONS > Faculté des Sciences > Service de Chimie des matériaux nouveaux

✉ External e-mail

👤 Choose a representative (Separate last name from first name with a comma)

Smith, John

Q

🔗 Personal Identifiers

ORCID

0000-0003-0170-9444

☰ Publications list display

Choose the display model you prefer for your list of publications depending on your field of research. This formatted list will appear in your ORBi UMONS profile.

Presentation model

FNRS model (without poster)

⌵

Bibliographical format

APA

⌵

★ Most significant publications

You can choose your most significant publications in the "My Publications" section (5 max). You can also remove them by unchecking the

Improve your visibility

- Your ORBi profile
 - Add your most significant publications

The screenshot shows the UMONS ORBi website. At the top, there is a blue navigation bar with the UMONS logo on the left, a gear icon labeled 'ADMIN' in the center, and a user profile icon labeled 'SÉBASTIEN HOYAS' on the right. Below the navigation bar, there is a white header area with the ORBi logo and the UMONS text. A dropdown menu is open under the user profile, listing various options: 'MyORBi UMONS', 'My Unfinished Deposits', 'My Publications' (highlighted with a red box), 'My Reports', 'My Widgets', 'My Statistics', 'My Profile', 'My Copy Requests', and a 'Logout' button at the bottom. Below the header, there is a large banner image with the text 'Welcome to ORBi, the institutional repository of the University of Mons'. At the bottom of the banner, there is a search bar with a dropdown menu set to 'All' and a search input field containing the text 'Example: "Cognitive architectures"'. On the right side of the banner, there are links for 'ABOUT' and 'NEWS'.

Improve your visibility

- Your ORBi profile
 - Add your most significant publications
 - Check the star (up to 5)
 - Can be changed at any time
 - Uncheck a star and check another one

References ^

- ☐ in open access
- ☐ with full-text
- ☐ peer review

18
21
14






Year issued ^

- ☐ 2024
- ☐ 2023
- ☐ 2022
- ☐ 2021
- ☐ 2020

2
1
2
8
5

+ See all

Author ^

- ☐ HOYAS, Sébastien 
- ☐ CORNIL, Jérôme 
- ☐ GERBAUX, Pascal 
- ☐ DE WINTER, Julien 
- ☐ LEMAUR, Vincent 

41
33
33
31
26

+ See all

Document type ^

- ☐ Poster (Scientific congresses and symposiums) 16
- ☐ Article (Scientific journals) 13
- ☐ Unpublished conference/Abstract (Scientific congresses and symposiums) 10
- ☐ Doctoral thesis (Dissertations and theses) 1
- ☐ Other (Diverse speeches and writings) 1

+ See all

Language ^

- ☐ English
- ☐ French

38
3

+ See all

Journal v

Funder v

Discipline v

Subject v

Publisher v

Research unit v

Results 1-10 of 41


by issue date (descending)

EXPORT



POSTER (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Enabling FAIR Data through Peer-to-Peer support: The Brussels-Wallonia Federation Data Ambassadors Network Method

Biernaux, Judith; Desterbecq, Joëlle; Hoyas, Sébastien 

2024 • EOSC - National Tripartite Event: Belgium



EDIT

Submitted by you - Last modified 2024-04-30 11:01



ARTICLE (SCIENTIFIC JOURNALS)

Side chain engineering in indacenodithiophene-*c*-benzothiadiazole and its impact on mixed ionic-electronic transport properties

Holzer, Isabelle; LEMAUR, Vincent ; Wang, Meng *et al.*

2024 • In *Journal of Materials Chemistry C*

✓ Peer Reviewed verified by ORBi



EDIT

Submitted by you - Last modified 2024-07-16 09:57



ARTICLE (SCIENTIFIC JOURNALS)

Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry.

Duez, Quentin ; Hoyas, Sébastien ; Josse, Thomas  *et al.*

2023 • In *Mass Spectrometry Reviews*, 42 (4), p. 1129 - 1151

✓ Peer Reviewed verified by ORBi





EDIT

Submitted by Julien DE WINTER - Last modified 2024-06-10 10:05



ARTICLE (SCIENTIFIC JOURNALS)

Structural Characterization of Dendriplexes In Vacuo: A Joint Ion Mobility/Molecular Dynamics Investigation.

Saintmont, Fabrice ; Hoyas, Sébastien ; Rosu, Frédéric *et al.*

2022 • In *Journal of the American Society for Mass Spectrometry*, 33 (8), p. 1555 - 1568

✓ Peer Reviewed verified by ORBi



EDIT

Submitted by Pascal GERBAUX - Last modified 2024-04-11 10:03

Improve your visibility

- Your ORBi profile
 - Add your most significant publications
 - They will be showcased first on your profile

Personal Identifiers

ORCID

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Publications list display

Choose the display model you prefer for your list of publications depending on your field of research. This formatted list will appear in your ORBi UMONS profile.

Presentation model

FNRS model (without poster)

Bibliographical format

APA

★ Most significant publications

You can choose your most significant publications in the "My Publications" section (5 max). You can also remove them by unchecking the reference in the list below before saving. Your most significant publications will appear in your ORBi UMONS profile.

- ☒ Duez, Q., Hoyas, S., Josse, T., Gerbaux, P., Cornil, J., & De winter, J. (2023). Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. *Mass Spectrometry Reviews*, 42 (4), 1129 - 1151. doi:10.1002/mas.21745
- ☒ Saintmont, F., Hoyas, S., Rosu, F., Gabélica, V., Brocorens, P., & Gerbaux, P. (03 August 2022). Structural Characterization of Dendriplexes In Vacuo: A Joint Ion Mobility/Molecular Dynamics Investigation. *Journal of the American Society for Mass Spectrometry*, 33 (8), 1555 - 1568. doi:10.1021/jasms.2c00122
- ☒ Hoyas, S. (2021). *Characterization and Exploitation of Peptoid Secondary Structures: A Synergistic Experimental and Computational Approach* [Doctoral thesis, UMONS - Université de Mons]. ORBi UMONS-University of Mons. <https://orbi.umons.ac.be/handle/20.500.12907/48718>
- ☒ Hoyas, S., Roscioni, O. M., Tonneaux, C., Gerbaux, P., Cornil, J., & Muccioli, L. (19 May 2021). Peptoids as a Chiral Stationary Phase for Liquid Chromatography: Insights from Molecular Dynamics Simulations. *Biomacromolecules*, 22 (6), 2573-2581. doi:10.1021/acs.biomac.1c00302
- ☒ Hoyas, S., Lemaire, V., Duez, Q., Saintmont, F., Halin, E., De Winter, J., Gerbaux, P., & Cornil, J. (01 September 2018). PEPDROID: Development of a Generic DREIDING-Based Force Field for the Assessment of Peptoid Secondary Structures. *Advanced Theory and Simulations*, 1, 1-14. doi:10.1002/adts.201800089

CANCEL

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UPDATE PROFILE

Improve your visibility

- Your ORBi profile
 - Customize the way your publication list will appear (choose whatever presentation model but keep the **bibliographical format as APA**)

Publications list display

Choose the display model you prefer for your list of publications depending on your field of research. This formatted list will appear in your ORBi UMONS profile.

Presentation model	FNRS model (without poster)
Bibliographical format	APA

☆ Most significant publications

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- ☒ Duez, Q., Hoyas, S., Josse, T., Gerbaux, P., Cornil, J., & De winter, J. (2023). Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. *Mass Spectrometry Reviews*, 42 (4), 1129 - 1151. doi:10.1002/mas.21745
- ☒ Saintmont, F., Hoyas, S., Rosu, F., Gabélica, V., Brocorens, P., & Gerbaux, P. (03 August 2022). Structural Characterization of Dendriplexes In Vacuo: A Joint Ion Mobility/Molecular Dynamics Investigation. *Journal of the American Society for Mass Spectrometry*, 33 (8), 1555 - 1568. doi:10.1021/jasms.2c00122
- ☒ Hoyas, S. (2021). *Characterization and Exploitation of Peptoid Secondary Structures: A Synergistic Experimental and Computational Approach* [Doctoral thesis, UMONS - Université de Mons]. ORBi UMONS-University of Mons. <https://orbi.umons.ac.be/handle/20.500.12907/48718>
- ☒ Hoyas, S., Roscioni, O. M., Tonneaux, C., Gerbaux, P., Cornil, J., & Muccioli, L. (19 May 2021). Peptoids as a Chiral Stationary Phase for Liquid Chromatography: Insights from Molecular Dynamics Simulations. *Biomacromolecules*, 22 (6), 2573-2581. doi:10.1021/acs.biomac.1c00302
- ☒ Hoyas, S., Lemaur, V., Duez, Q., Saintmont, F., Halin, E., De Winter, J., Gerbaux, P., & Cornil, J. (01 September 2018). PEPDROID: Development of a Generic DREIDING-Based Force Field for the Assessment of Peptoid Secondary Structures. *Advanced Theory and Simulations*, 1, 1-14. doi:10.1002/adts.201800089

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0000-0003-0170-9444

Publications list display

Choose the display model you prefer for your list of publications depending on your field of research. This formatted list will appear in your ORBi UMONS profile.

Presentation model

FNRS model (without poster)

Bibliographical format

APA

★ Most significant publications

You can choose your most significant publications in the "My Publications" section (5 max). You can also remove them by unchecking the reference in the list below before saving. Your most significant publications will appear in your ORBi UMONS profile.

- ☒ Duez, Q., Hoyas, S., Josse, T., Gerbaux, P., Cornil, J., & De winter, J. (2023). Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. *Mass Spectrometry Reviews*, 42 (4), 1129 - 1151. doi:10.1002/mas.21745
- ☒ Saintmont, F., Hoyas, S., Rosu, F., Gabélica, V., Brocorens, P., & Gerbaux, P. (03 August 2022). Structural Characterization of Dendriplexes In Vacuo: A Joint Ion Mobility/Molecular Dynamics Investigation. *Journal of the American Society for Mass Spectrometry*, 33 (8), 1555 - 1568. doi:10.1021/jasms.2c00122
- ☒ Hoyas, S. (2021). *Characterization and Exploitation of Peptoid Secondary Structures: A Synergistic Experimental and Computational Approach* [Doctoral thesis, UMONS - Université de Mons]. ORBi UMONS-University of Mons. <https://orbi.umons.ac.be/handle/20.500.12907/48718>
- ☒ Hoyas, S., Roscioni, O. M., Tonneaux, C., Gerbaux, P., Cornil, J., & Muccioli, L. (19 May 2021). Peptoids as a Chiral Stationary Phase for Liquid Chromatography: Insights from Molecular Dynamics Simulations. *Biomacromolecules*, 22 (6), 2573-2581. doi:10.1021/acs.biomac.1c00302
- ☒ Hoyas, S., Lemaur, V., Duez, Q., Saintmont, F., Halin, E., De Winter, J., Gerbaux, P., & Cornil, J. (01 September 2018). PEPDROID: Development of a Generic DREIDING-Based Force Field for the Assessment of Peptoid Secondary Structures. *Advanced Theory and Simulations*, 1, 1-14. doi:10.1002/adts.201800089

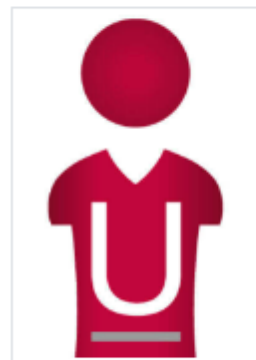
CANCEL

SEE PROFILE PAGE

UPDATE PROFILE

Improve your visibility

- Your ORBi profile
- <https://orbi.umons.ac.be/profile?uid=STAFFID>
- Add it to your Linkedin, CV, etc.
- Add it to your email signature



HOYAS Sébastien

EDIT MY PROFILE

Université de Mons - UMONS > Administration > Direction de l'Administration et Valorisation de la Recherche

Université de Mons - UMONS > Faculté des Sciences > Service de Chimie des matériaux nouveaux

ORCID 0000-0003-0170-9444

Main Referenced Co-authors

CORNIL, Jérôme (33)
GERBAUX, Pascal (33)
DE WINTER, Julien (31)
LEMAUR, Vincent (26)
Hallin, Emilie (20)

Main Referenced Keywords

molecular dynamics (2); Molecularly Imprinted Polymer (2); Sensors (2); Ammonium Compounds (1); Analytical Chemistry (1);

Main Referenced Unit & Research Centers

CIRMAP - Centre d'Innovation et de Recherche en Matériaux Polymères (29)
CISMA - Centre Interdisciplinaire de Spectrométrie de Masse (24)
CMMI - Centre de Recherche en Microscopie et Imagerie Médicale (5)

Main Referenced Disciplines

Chemistry (38)
Computer science (2)
Social & behavioral sciences, psychology: Multidisciplinary, general & others (1)

Publications (total 41)

SEARCH IN PUBLICATIONS

The most downloaded

232 downloads

Tassinon, B., Weber, P., Hoyas, S., Galanti, A., De Winter, J., Cornil, J., Samon, P., & Gerbaux, P. (01 January 2021). Synthèse et Etudes Photochimiques de Peptoides Porteurs de Groupements Azobenzènes pour le Stockage Chimique de l'Energie Solaire. *Chimie Nouvelle*, 256, 1-15. <https://hdl.handle.net/20.500.12907/15519>

The most cited

21 citations (Scopus®)

Hoyas, S., Lemaux, V., Dues, Q., Saintmont, F., Hallin, E., De Winter, J., Gerbaux, P., & Cornil, J. (01 September 2018). PEPODID: Development of a Generic DRE(D)ING-Based Force Field for the Assessment of Peptoid Secondary Structures. *Advanced Theory and Simulations*, 1, 1-14. doi:10.1002/adts.201800089 <https://hdl.handle.net/20.500.12907/15248>

The most significant



Dues, Q., Hoyas, S., Josse, T., Gerbaux, P., Cornil, J., & De winter, J. (2025). Gas-phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. *Mass Spectrometry Reviews*, 45 (4), 1129 - 1151. doi:10.1002/mas.21745 <https://hdl.handle.net/20.500.12907/22570>
 Peer Reviewed verified by ORBi



Saintmont, F., Hoyas, S., Roux, F., Gabélica, V., Broconens, P., & Gerbaux, P. (05 August 2022). Structural Characterization of Dendriplexes In Vacuo: A Joint Ion Mobility/Molecular Dynamics Investigation. *Journal of the American Society for Mass Spectrometry*, 33 (8), 1555 - 1565. doi:10.1021/jasms.2c00122 <https://hdl.handle.net/20.500.12907/44075>
 Peer Reviewed verified by ORBi

Widgets

Improve your visibility

- Use widgets to integrate only your publications on a website/blog

The screenshot shows the UMONS ORBi website. The top navigation bar is blue with the UMONS logo on the left, an ADMIN gear icon, a user profile for SÉBASTIEN HOYAS, a notification bell, and a language selector for EN. Below this, the ORBi logo and UMONS text are on the left, and an EXPLORE button is on the right. A dropdown menu is open from the user profile, listing: MyORBi UMONS, My Unfinished Deposits, My Publications, My Reports, My Widgets (highlighted with a red box), My Statistics, My Profile, My Copy Requests, and a Logout link with an arrow icon. The main content area features a large banner with the text "Welcome to ORBi, the institutional repository of the University of Mons" over a background image of a person. Below the banner is a search bar with a dropdown menu set to "All" and a search input field containing the text "Example: 'Cognitive architectures'".

Improve your visibility

- Use widgets to integrate your publications on a website/blog

← BACK | HOME > MYORBI UMONS > MY WIDGETS

My Widgets

Integrate publication references (your own, that of a department, of a laboratory, etc.) in a website or blog by using the widget integration into the source code; the URL is used as is or in tools such as an IFrame Portlet within a content management system).

- Link: get a link to a list of publications as a search result on ORBi UMONS.
- IFrame: display a list of publications with automatic update in your own web page or that of a content management system.

By default, the request is entered through your identifier within the institution, but you may also use the ORCID iD.

Global
Identifier
Author
Affiliation
Promotor
Title
Keyword
Abstract
Journal
ISBN
ISSN/eISSN
Publisher
Series
Funder
European project
Research center
Research unit
Research institute
Research project

Document type

Discipline

Language

Issue year from

References

With or without full text

☐ Peer reviewed only

SEE LESS FILTERS

Query

Identifier

533288

SEE MORE FILTERS

Bibliographical format

Standard

☐ Peer review information

Abstract

None

Sorting order 1

(No sort)

6 selected

☐ Select all

☒ Scientific journals

☒ Article

☒ Short communication

☒ Book review

☒ Letter to the editor

☒ Complete issue

☒ Other

☐ Books

☐ Book published as author, translator, etc.

☐ Collective work published as editor or director

☐ Parts of books

Improve your visibility

- Use widgets to integrate your publications on a website/blog

Link

Only the query, sorting order 1 and language are taken into order.

Code

```
<a href="https://orbi.umons.ac.be/simple-search?query=author_authority%3A%28533288%29&lang_code=en" target="_blank" rel="noopener">Link</a>
```

COPY TO CLIPBOARD

URL

https://orbi.umons.ac.be/simple-search?query=author_authority%3A%28533288%29&lang_code=en

COPY TO CLIPBOARD

REST

https://orbi.umons.ac.be/rest/items?query=(author_authority%3A%28533288%29)&mode=apa&lang=en&limit=100

COPY TO CLIPBOARD

Preview

[Link](#)

CSV Export

EXPORTER

Improve your visibility

- Use widgets to integrate your publications on a website/blog

IFrame

Code

```
<iframe src="https://orbi.umons.ac.be/widget?query=author_authority%3A%28533288%29&lang_code=en" title="Widget"></iframe>
```


COPY TO CLIPBOARD

URL

```
https://orbi.umons.ac.be/widget?query=author_authority%3A%28533288%29&lang_code=en
```




COPY TO CLIPBOARD

Preview




POSTER (SCIENTIFIC CONGRESSES AND SYMPOSIUMS)

Secondary structures of Peptoids in gas phase assessed by Ion Mobility Mass Spectrometry and Molecular Modeling




Hoyas, Sébastien  ; Halin, Emilie  ; Weber, Perrine  *et al.*

2018 • 6 th Symposium on Foldamers 2018




ARTICLE (SCIENTIFIC JOURNALS)

Stereoselective ROP of rac- and meso-Lactides using Achiral TBD as Catalyst

Moins, Sébastien  ; Hoyas, Sébastien  ; Lemaury, Vincent  *et al.*

2020 • In *Catalysts*, 20, p. 620-628

 Peer Reviewed verified by ORBi

Other platforms

Other platforms

- ORBi content is **AUTOMATICALLY** harvested by many different platforms:

- Google Scholar
- BASE
- CORE
- OpenAIRE
- [PeriScops](#) (FNRS)
- ...

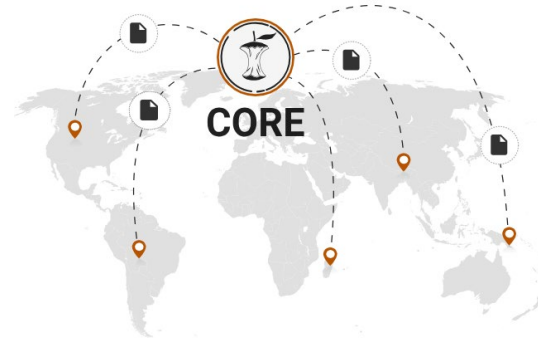
Google Scholar

EBSCO

BASE

ORBi

UMONS



periscops
Portail des publications scientifiques
Wallonie & Bruxelles

...

Other platforms

- ORBi content is **AUTOMATICALLY** harvested by many different platforms
- Open Access content is promoted
- **If you properly apply the open access decree, your papers will be promoted on those platforms which will improve your visibility and thus your impact**

Publications list

Generate a publication list

- **(only possible using your staff ID credentials not your student ID)**
- Important to apply for grants, for stakeholders, etc.
- List of publications may contain:
 - Their own publications (this is the default option)
 - Publications by several authors
 - Publications from a department
 - A subset of publications defined through a search
- Different formats (PDF, HTML)
- Different templates
 - None (simple list)
 - Structured List (Year of Publication - Document Type)
 - FRS-FNRS model ([without poster](#))
 - FRS-FNRS model ([with poster](#))

Generate a publication list

The screenshot shows the top navigation bar of the ORBi website. The header is teal with the 'UMONS' logo on the left. On the right, there are links for 'ADMIN' (with a gear icon), a user profile for 'SÉBASTIEN HOYAS', a notification bell, and a language selector 'EN'. Below the header, the 'ORBi UMONS' logo is displayed. A large banner image shows a person working at a desk. Overlaid on the banner is the text 'Welcome to ORBi, the institutional repository of the University of Mons'. Below this, there is a search bar with a dropdown menu set to 'All' and a search input field containing the text 'Example: "Cognitive architectures"'. To the right of the search bar is a magnifying glass icon and a link to 'Advanced Search'. A dropdown menu is open from the 'EXPLORE' link, listing various user options: 'MyORBi UMONS', 'My Unfinished Deposits', 'My Publications', 'My Reports' (highlighted with a red box), 'My Widgets', 'My Statistics', 'My Profile', 'My Copy Requests', and a 'Logout' link at the bottom.

UMONS

ADMIN

SÉBASTIEN HOYAS

EN

EXPLORE

MyORBi UMONS

My Unfinished Deposits

My Publications

My Reports

My Widgets

My Statistics

My Profile

My Copy Requests

Logout

ABOUT

NEWS

Welcome to ORBi, the institutional repository of the University of Mons

All ▾

Example: "Cognitive architectures"

Advanced Search

Generate a publication list

Your Reports

Automatically generate a personalised list of publications based on a search result from ORBi UMONS (yours, a department's, a laboratory's, a research unit's etc.). By default, the search is based on your identifier within the institution. The choice of format allows you to create a list of publications in PDF or HTML.

What do the different publication list presentation models contain? [LEARN MORE](#)

Same menu as in
the widget
generation

Query

Identifier

533288



SEE MORE FILTERS

Presentation model

None (simple list)

Bibliographical format

APA

☐ With numbered references

With

☐ Metrics

☐ Metrics synthesis

☐ Peer review information

☐ With thumbnail

Abstract

None

Sorting order 1

by issue date (descending)

Generate a publication list



Publications and communications of Sébastien HOYAS

Biernaux, J., Desterbecq, J., & Hoyas, S. (16 April 2024). *Enabling FAIR Data through Peer-to-Peer support: The Brussels-Wallonia Federation Data Ambassadors Network Method* [Poster presentation]. EOSC - National Tripartite Event: Belgium.

<https://hdl.handle.net/20.500.12907/48958>

Views: 12 (including 9 by UMONS) Downloads: 1 (including 0 by UMONS)

Hoyas, S. (2024). *Research Data Management - AVRE Training*.

<https://hdl.handle.net/20.500.12907/49471>

Views: 5 (including 4 by UMONS) Downloads: 0

Hoyas, S. (2024). *Open Science - AVRE Training*.

<https://hdl.handle.net/20.500.12907/49470>

Views: 4 (including 2 by UMONS) Downloads: 1 (including 0 by UMONS)

Holzer, I., LEMAUR, V., Wang, M., Wu, H.-Y., Zhang, L., Marcial-Hernandez, R., Gilhooly-Finn, P., Cavassin, P., Hoyas, S., Meli, D., Wu, R., Paulsen, B. D., Strzalka, J., Liscio, A., Rivnay, J., Sirringhaus, H., Banerji, N., Beljonne, D., Fabiano, S., & Nielsen, C. B. (2024). Side chain engineering in indacenodithiophene-*co*-benzothiadiazole and its impact on mixed ionic–electronic transport properties. *Journal of Materials Chemistry C*. doi:10.1039/d3tc04738e

<https://hdl.handle.net/20.500.12907/48551>

Communicate about your research

Improve your visibility

- Communicate about your research
 - Share your post references on social media (LinkedIn, X, etc.)
 - Add tags UMONS Recherche, Innovation & Entrepreneuriat ([LinkedIn](#) – [Facebook](#) - [YouTube](#))
 - and/or contact Damiano.Distazio@umons.ac.be to publish your research on social media
 - **[Contact AVRE](#)** to help you with these steps

AVRE

Communication

L'AVRE a, parmi d'autres missions, celle d'assister les chercheurs pour la communication de leurs projets et de leurs activités de recherche : organisation d'événements, créations de brochures, d'affiches, gestion des réseaux sociaux, réalisation de capsules vidéo,...

Votre point de contact



Damiano DI STAZIO
Personnel

Damiano.Distazio@umons.ac.be

If you need help

If you need help

Check the Help section of ORBi



ORBi support: Contact ORBi UMONS banner or support.bibliosdi@umons.ac.be

Question about licenses: legal-avre@umons.ac.be

Question about communication: Damiano.Distazio@umons.ac.be

[Intranet: ORBi \(sharepoint.com\)](#)

Q&A

If I was not able to answer your question,
please reach out
sebastien.hoyas@umons.ac.be



Thank you for
your attention