



# ISTA Research Explorer (ISTA REx)

## Search and Find



## Contents

1	What is ISTA REx? .....	2
2	How to use ISTA REx for finding publications .....	3
2.1	Search Bar .....	3
2.2	Tabs .....	3
2.3	Filters .....	4
2.4	Authors .....	4
2.5	Research Groups .....	5
2.6	Scientific Service Units (SSUs) .....	6
2.7	Grants .....	7
3	Export of search results .....	9



# 1 What is ISTA REX?

**ISTA Research Explorer** (ISTA REX, <https://research-explorer.ista.ac.at>) is the institutional repository presenting the scholarly output of the Institute (ISTA). It contains all publications (journal articles, conference papers, book chapters, research data, thesis, ...) affiliated to ISTA. Where possible, an Open Access version is included, otherwise the metadata (according to publisher regulations) is available. Additionally, REX also offers the full publication record of all professors before they joined the Institute.

Moreover, ISTA Research Explorer shows the awarded grants which you can link to your publication. Therefore, it shows not only the research achievement of the Institute over the years but also the scientific output of every approved grant. Furthermore, several different citation formats of the entries can be downloaded and easily reused for personal citation management or publication lists.

## **ISTA scientist commitment**

Authors at ISTA are responsible to enter their publications into the ISTA Research Explorer themselves not later than two weeks after acceptance of the paper. This helps to keep ISTA REX up to date, since scientists have the most reliable overview of their own publications.

There is no reason to worry about creating wrong or double entries. The library team keeps track of new items and enriches them on a weekly basis. Precise and flawless entries support external visibility and help generate complete publication lists for researchers and for reports on ISTA.



## 2 How to use ISTA REx for finding publications

The repository is quite self-explanatory. The landing page has a search bar and different tabs.

### 2.1 Search Bar

You can search for specific documents by using the search bar



Simply add your search term like an author name or publication title in it and confirm with “enter” or click on “Go!”. You will then receive a result list.

You can also search for a specific DOI or ISSN, in those cases please use quotation marks like “10.1016/j.ajhg.2024.11.012” in the search bar.

### 2.2 Tabs

Another option is to browse via the tabs to publications/authors/grants or Research Groups. Be aware:

By clicking on the tab Publications, you receive all added items of the repository (including work done by professors before joining ISTA) – the publications on the landing page are already filtered to ISTA affiliated only!



## ISTA Research Explorer

Home **Publications** Authors Grants Research Groups About ▾

Search Publications in ISTA

ISTA Research Explorer (ISTA REX) is the institutional repository present output of the Institute of Science and Technology Austria (ISTA).  
[Read More...](#)

**4305 Publications**

**3564 Open Access Publications**

### 2.3 Filters

Within publications, you have several filter options on the right side to limit your hit list, like publication type or publication year:

#### ISTA Research Explorer

Home Publications **Authors** Grants Research Groups About ▾

462 Publications

1 2 3 4 ... 23 24 »

- 2022 | Journal Article | IST-REX-ID: 10016 | **Fourteen stations of auxin**  
J. Friml, Cold Spring Harbor Perspectives in Biology 14 (2022).  
[View](#) | [DOI](#) | [Download Published Version \(ext.\)](#) | [PubMed](#) | [Europe PMC](#)
- 2022 | Journal Article | IST-REX-ID: 10018 | **Integral points on singular del Pezzo surfaces**  
U. Derenthal, F.A. Wilsch, Journal of the Institute of Mathematics of Jussieu (2022).  
[View](#) | [DOI](#) | [Download Published Version \(ext.\)](#) | [arXiv](#)
- 2022 | Journal Article | IST-REX-ID: 10042 | **Defect engineering in solution-processed polycrystalline SnSe leads to high thermoelectric performance**  
Y. Liu, M. Calcabrini, Y. Yu, S. Lee, C. Chang, J. David, T. Ghosh, M.C. Spadaro, C. Xie, O. Cojocaru-Mirédin, J. Arbiol, M. Ibáñez, ACS Nano 16 (2022) 78–88.  
[View](#) | [Files available](#) | [DOI](#) | [PubMed](#) | [Europe PMC](#)

**Filters and Search Terms**

- ✕ extern<>1
- ✕ year="2022"

**Search**

Search

**Filter Publications**

- ▼ Publication Type
- > 400 OA Fulltext(s)
- ▼ Indexed in
- < Research Group

You can remove a chosen filter by clicking the “x”. Multiple filters are possible.

### 2.4 Authors

Within the tab authors you can either scroll through the complete list of ISTA authors, select a single letter (for the last name) or filter via departments (filter bar on the right side):



# ISTA Research Explorer

Home Publications **Authors** Grants Research Groups About ▾

<b>A</b>	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

## Departments

▼ Research Groups

▼ SSUs

▼ Various

**Abas Melinda F** | Publications: 3

Benkova Group

**Abbas Mohamad** | Publications: 2

Friml Group

**Abualia Rashed** | ORCID iD:  <https://orcid.org/0000-0002-9357-9415> | Publications: 5


Graduate School | Benkova Group

**Abusalah Hamza M** | Publications: 6

Pietrzak Group

**Acar Hande** | ORCID iD:  <https://orcid.org/0000-0003-1986-9753> | Publications: 3

Bollback Group

**Adamowski Maciek** | ORCID iD:  <https://orcid.org/0000-0001-6463-5257> | Publications: 15

Friml Group

The authors are listed alphabetically after the last name, additionally the ORCID iD and the number of publications are visible as well as the affiliated group(s).

Click on the desired name to see the complete author information (additional author identifiers, publication list, grants). In case of a professor, the whole publication output will be listed. For all other researchers, only ISTA affiliated publications are available.

## 2.5 Research Groups

You can also see the scientific output of a whole research group by selecting it via the tab:



# ISTA Research Explorer

Home Publications Authors Grants **Research Groups** About ▾

- Institute of Science and Technology Austria (IST Austria) 4195
  - Research Groups 4106
    - Alistarh Group 98
    - Alpichshev Group 4
    - Barton Group 252
    - Benkova Group 69
    - Bernecky Group 5
    - Bickel Group 56
    - Bollback Group 26
    - Bollenbach Group 37
    - Browning Group 25
    - Bugnet Group 0
    - Chatterjee Group 420
    - Cheng Group 5
    - Cremer Group 82
    - Csicsvari Group 45
    - Danzl Group 21

The number behind each group shows all entries affiliated with this research group. Clicking on the group opens an overview of current members and alumni, their publications, research data publications and grants.

## Lemeshko Group



Alberto Cappellaro



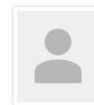
Mikhail Maslov



Georgios Koutentakis



Artem Volosniev



Ragheed Al Hyder



Volker Karle



Mikhail Lemeshko

## Alumni

Jan Kaczmarczyk

Enderalp Yakaboylu

Ekaterina Paerschke

Lorant Szegedy

Wojciech Rzadkowski

Giacomo Bighin

Areg Ghazaryan

Igor Cherepanov

Laleh Safari

Xiang Li

Fumika Suzuki

Bikashkali Midya

Publications **Data Publications** Grants

104 Publications

1 2 3 4 5 6 »

Search

Search  Go!

2023 | Journal Article | IST-REX-ID: 12534 |

Dissipative dynamics of an impurity with spin-orbit coupling

A. Ghazaryan, A. Cappellaro, M. Lemeshko, A. Volosniev, *Physical Review Research* 5 (2023)

Filter Publications

## 2.6 Scientific Service Units (SSUs)

Identical to Research Groups, the scholarly output of SSUs affiliated with ISTA is listed as well.



- **Scientific Service Units (SSUs)** 164
  - **Campus IT** 5
  - **Electron Microscopy Facility** 32
  - **Imaging & Optics Facility** 53
  - **Lab Support Facility** 11
  - **Library** 34
  - **Machine Shop** 1
  - **Nanofabrication Facility** 26
  - **Nuclear Magnetic Resonance Facility** 2
  - **Pre-Clinical Facility** 5
  - **Scientific Computing** 13

Additionally, you can track publications acknowledging SSU support:

## Imaging & Optics Facility

Publications Data Publications Grants **Acknowledgements**

138 Publications

1 2 3 4 ... 6 7 »

2023 | *Journal Article* | IST-REx-ID: 12334 |

**ArpC5 isoforms regulate Arp2/3 complex–dependent protrusion through differential Ena/VASP positioning**

F. Fäßler, M. Javoor, J. Datler, H. Döring, F. Hofer, G.A. Dimchev, V.-V. Hodimau, J. Faix, K. Rottner, F.K. Schur, *Science Advances* 9 (2023).

View | [Files available](#) | DOI

2023 | *Thesis* | IST-REx-ID: 12470

**A versatile toolbox for the comprehensive analysis of nervous tissue organization with light microscopy**

J.M. Michalska, *A Versatile Toolbox for the Comprehensive Analysis of Nervous Tissue Organization with Light Microscopy*, Institute of Science and Technology Austria, 2023.

View | [Files available](#) | DOI

## 2.7 Grants

All fundings granted to ISTA researchers and scientists are presented in ISTA REx beneath “Grants”.





# ISTA Research Explorer

[Home](#) [Publications](#) [Authors](#) [Grants](#) [Research Groups](#) [About](#) ▾

A B C D E F G H I J K L M N O P Q R **S** T U

## Scale-invariance in entangled quantum spin systems (Q-M&S)

2023-01-01 – 2026-12-31

## Secure Network and Hardware for Efficient Blockchains (SPyCoDe)

2023-01-01 – 2026-12-31

## Selected Topics in Evolutionary Biology (STEB)

2017-05-15 – 2018-07-31

Open the grant you are interested in to get an overview of funding organization, grant number, PI and duration.

## Random matrices, universality and disordered quantum systems

Project Period: 2014-03-01 – 2019-08-31

*Externally Funded*

[Details](#) [Publications](#)

Acronym	RANMAT
Principal Investigator	László Erdős
Department(s)	Erdoes Group
Grant Number	338804
Funding Organisation	EC/FP7

Publications acknowledging a specific grant are linked to the respective grant. Each grant displays which ISTA affiliated publications and research data have been funded by and published within it.



## 3 Export of search results

ISTA Research Explorer enables you to export your created selection in many different formats.

- Refine your search result as needed (by using the filter options)
- Sort the list de- or ascending by using the arrows
- Choose your preferred citation style
- Choose your preferred export option
- Embed your search result in different other systems (using JavaScript or iFrame).
- Finish the export by choosing the desired format

Export / Embed

Export as

- RTF (e.g. Word, Office)
- BibTeX (e.g. Citavi)
- RIS
- JSON
- YAML
- DOI only

Embed

js

```
<div class="publ"><script typ
```

iframe

```
<iframe id="publFrame" nam
```

link

```
<a href="https://research-exp
```

0 Marked Publication(s)

### Filters and Search Terms

- x extern<>1
- x type=journal\_article
- x year="2022"
- x oa="1"

### Search

### Filter Publications

Indexed in

Research Group

### Display / Sort

Hits per page: 20

Sort

- Publishing Year ↑ ↓
- Date Updated ↑ ↓
- Date Published ↑ ↓
- Title ↑ ↓
- First Author ↑ ↓
- Publication Type ↑ ↓
- Publ./ Series/ Journal ↑ ↓

Citation Style

- AMA
- ISTA Annual Report
- MLA
- IEEE
- Default
- APA
- Chicago

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