

How much is the fish?

openCost for cost transparency and sustainable and FAIR scientific publishing

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Mainz, 17.09.2024

Overview



- > openCost
- > Background
- > PIDs, Format and Interface
- > Open Data
- > Your Input

What and Who is openCost?

openCost

automated, standardised delivery and open provision of publication costs and publishing agreements

- > Funded by DFG (457354095) 12/2021 — 11/2024
- > Project partners
 - Bielefeld University Library (Repository, [open@PC](#))
 - Regensburg University Library (Repository, [EZB](#))
 - Deutsches Elektronen-Synchrotron, DESY (Repository, [JOIN²](#))
- > <https://opencost.de/en>



Who is JOIN²?



Deutsches Elektronen-Synchrotron, DESY

≈ 2300 + 3000

Deutsches Krebs



Forsch



Germ



GSI H

Joint Institute for

Maier-Leibniz-Ze



RWTI

Museum Zitadell

JOIN² is quite big...

7+1 very different institutions,

staff > **23.000**, > 6000 “visiting scientists”

(≥ 609.000 records, ≥ 98.000 OpenAccess, ≥ 147.000 authorities)



Background

OpenAccess & OpenScience

Transforming Scientific Publishing to Open Access



Background

OpenAccess & OpenScience

Transforming Scientific Publishing to Open Access

- > FP7 → Horizon2020 → HorizonEurope
- > DFG Funding → [Open-Access-Publikationskosten](#)
- > Helmholtz Open Science Policy ([100% OpenAccess...](#))
- > **“Informationsbudget”** (German Science and Humanities Council (2022) [[10.57674/fyrc-vb6](#)])

Currently focussing on Gold-OpenAccess

might become Diamond...

Goal: Cost Transparency

➤ **Total Cost of Publishing** (Open, Closed, Additional, Voluntary...)

➤ **Broad view on Publishing**

(Papers, Data, Software, ...⇒ read: research output)

➤ **Automatic Data Exchange**

- within an institution
- between institutions
- inter- national

➤ **Simplify Workflows** (e. g. new services in EZB)



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- **Total Cost of Publishing** (Open, Closed, Additional, Voluntary...)
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➤ **Metadataformat for Cost-bearing Entities**

(standardized, international, embeddable & stand-alone)

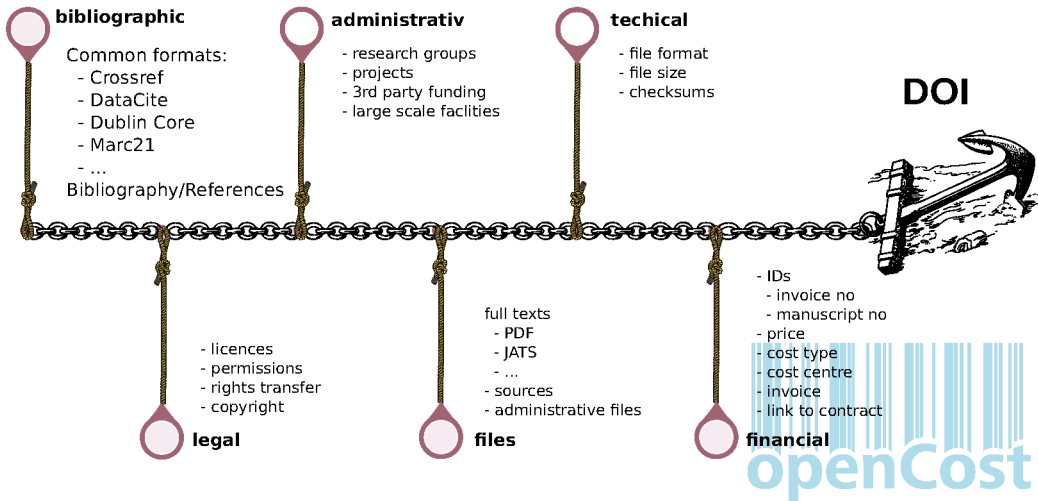
➤ **Easy, open data provisioning**

(harvestable by anyone)

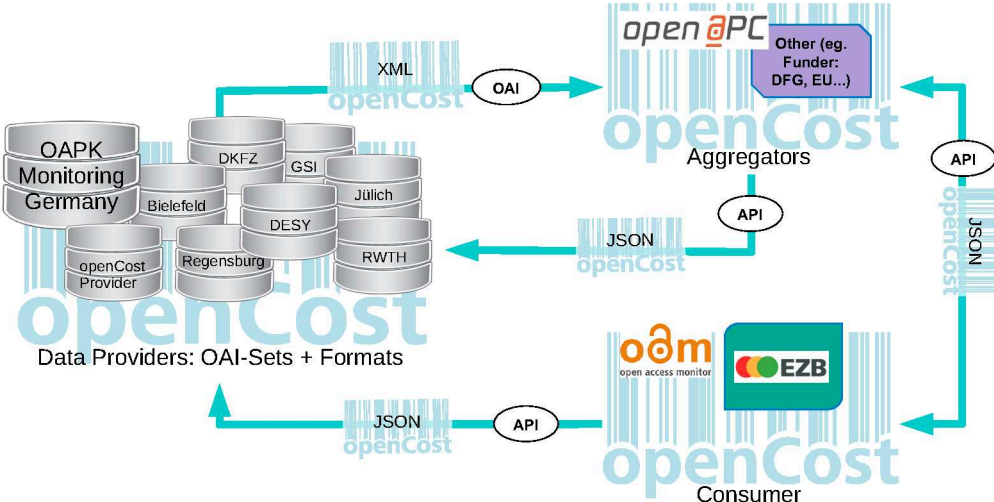


Its the PID, stupid!

Example: Article in a Repository



Open Data Flow



Open Data with openCost

PUBDB

DESY Publications Database

Home > Publications database > Quantification of gas-accessible microporosity in metal-organic framework glasses

Information Files Holdings

Journal Article

PUBDB-2022-07769

Quantification of gas-accessible microporosity in metal-organic framework glasses

Frentzel-Beyme, L. ; Kolodzeiski, P. ; Weiss, J.-B. ; Schneemann, A. ; Henke, S. (Corresponding author)

2022

Nature Publishing Group UK [London]

Nature Communications 13(1), 7750 (2022) [10.1038/s41467-022-35372-5]   

This record in other databases:    14  39

Please use a persistent id in citations: doi:10.1038/s41467-022-35372-5 doi:10.3204/PUBDB-2022-07769

Abstract: Metal-organic framework (MOF) glasses are a new class of glass materials with immense potential for applications ranging from gas separation to optics and solid electrolytes. Due to the inherent difficulty to determine the atomic structure of amorphous glasses, the intrinsic structural porosity of MOF glasses is only poorly understood. Here, we investigate the porosity features (pore size and pore limiting diameter) of a

Contributing Institute(s):

1. DOOR-User (DOOR ; HAS-User)

Research Program(s):

1. 6G3 - PETRA III (DESY) (POF4-6G3) (POF4-6G3)

Publication costs of 5579.37€ funded by Technische Universität Dortmund (Source: OpenAPC)

Experiment(s):

1. PETRA Beamline P02.1 (PETRA III)

> OLAP-Server

(openCost extension for
open@PC)

> DOI-based

> JavaScript

(35 almost generic lines)

Spread the Word...

IR Universität Augsburg
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Details
 Item type: Article
 Höhe Gebühr (via OpenAPC): 1461,24
 Institution der Zahlung: TU München
 Journal or Publication Title: BMC Cancer

UNIVERSITÄT WÜRZBURG
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PUB - Publikationen an der Universität Würzburg
 Expertise-dependent perceptual performance in chess tasks with varying complexity
 Wüchtersen, Johannes K. / Esch, G. / Gierke, O. / Schach, F. (2012)
 Frontiers in Psychology 3: 1-12
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 URN: [urn:nbn:de:hbz:5:1-63882-p0141-7.pdf](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-63882-p0141-7.pdf)

Calcium-permeable channelopathies
 Ferskovic, Ljubica, K. S. / Popovic, B. P. / Petro, E. / Hec, M. M. / St. Prasad, A. J. R. / Xu

Nature Communications 10(1), 1-12 (2019) | [DOI: 10.1038/s41467-019-10793-4](#)
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Contributing institution(s): [Network Dynamics \(A.S. Schmidt\)](#)
 Research Program(s): [F 104 - Brain Function \(POF4-101\) \(POF4-101\)](#)
 Publication costs of 1079 EUR funded by [Technische Universität Chemnitz \(OpenAPC\)](#)
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Traps and transport resistances
 Wagner, A. / Doherty, C. / Sankaranarayanan, M. / Liu, X. / Nair, Zubin C. M. T. / Brubaker, G. A. (2018)

Nature Communications 9(1), 1-12 (2018) | [DOI: 10.1038/s41467-018-0393-4](#)
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Contributing institution(s): [Helmholtz-Institut Erlangen-Nürnberg für Erneuerbare Energien \(HE-11\)](#)
 Research Program(s): [F 1219 - Cost Design and Development \(POF4-121\) \(POF4-121\)](#)
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IMPULSE MLZ Heinz Maier-Leibner
 Zentrum für Forschung, Innovation, Transfer

Mapping structure heterogeneity perovskite film
 Li, N. / Panoss, S. / Kirovova, V. / Verma, S. / Sor

Nature Communications 13(1), 4701 (2022) | [DOI: 10.1038/s41467-022-28188-8](#)
 This record is also available in [PubPub](#) | [arXiv](#) | [ORCID](#) | [X](#)

Contributing institution(s): [Heinz Maier-Leibner Zentrum \(MLZ\)](#)
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Information about Publishing from DOAJ

The [Directory of Open Access Journals \(DOAJ\)](#) is a directory for open-access journals with quality assurance procedures. Journals listed in DOAJ are automatically identified in EZB.

Instructions for authors:	Link to the publisher
Accepted languages:	English
APCs:	Yes
APC amount:	5090 GBP; 6790 USD; 5690 EUR (last updated 01-30-2024, further information provided by the publisher)
Journal license:	CC BY
Review process:	Peer review, further information provided by the publisher
Plagiarism screening policy:	Publisher's plagiarism screening policy
Publishing process:	28 Weeks

Cost Information from OpenAPC

Institutions report the publication costs (APC) paid for this journal to [OpenAPC](#) (last updated 03-09-2024). Note: The average costs may change as a result of subsequent reporting.

Year	2021	2022	2023	2024
Average APC per article worldwide	4,156 EUR (505 record(s))	5,177 EUR (601 record(s))	5,600 EUR (262 record(s))	5,660 EUR (15 record(s))
Average APC per article in your institution	4,123 EUR (4 record(s))	4,756 EUR (3 record(s))	4,853 EUR (4 record(s))	- (no records)

▼ Journal details

Title:	Nature Communications
Publisher / Provider:	Nature Publishing Group
Language(s):	English
Fulltext online since:	Vol. 1, Iss. 1 (2010)
Homepage(s):	https://www.nature.com/ncomms/
Latest articles:	Newsfeed [®]



New Cost-bearing Entities

Direct association

(like articles)

- > Books & Proceedings
- > Contributions to Books & Proceedings
- > Data
- > Software
- > ...

Indirect association

(like contracts)

- > Data
- > Diamond Open Access
- > Software
- > ...

Your input!

Cost types, documentation, glossaries, missing pieces, use cases, vocabularies, ...

Thank you!



See you in Regensburg!

The Road to Publication Cost Transparency - The Next Stage **October 7th – 9th, Regensburg (Germany)**

Contact

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