The usages of JOIN2 authority records



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INVENIO) User Group Workshop 2017
Garching, 22/03/2017

https://bib-pubdb1.desy.de/record/318763









The Join² project: partners







Statistic keys in MARC21



- Typical authority record as example of our periodicals
- Based on German periodical database (ZDB) of national library
- Based on identifiers: further content is searchable, like recent publications
- Enriched with statistically information's, like "listed by SCOPUS", etc.
- Base for search, e.g. statistic keys per year, per POF, per grants, etc.

```
000008325 915
               $$0StatID:(DE-HGF)0420$$2StatID$$aNationallizenz
               $$0StatID:(DE-HGF)0100$$2StatID$$aJCR$$bNUCL INSTRUM METH A: 2014
000008325 915
               $$0StatID:(DE-HGF)0200$$2StatID$$aDBCoverage$$bSCOPUS
000008325 915
               $$0StatID:(DE-HGF)0300$$2StatID$$aDBCoverage$$bMedline
000008325 915
               $$0StatID:(DE-HGF)0310$$2StatID$$aDBCoverage$$bNCBI Molecular Biology Database
               $$0StatID:(DE-HGF)0199$$2StatID$$aDBCoverage$$bThomson Reuters Master Journal List
000008325 915
               $$0StatID:(DE-HGF)0110$$2StatID$$aWoS$$bScience Citation Index
000008325 915
               $$0StatID:(DE-HGF)0150$$2StatID$$aDBCoverage$$bWeb of Science Core Collection
000008325 915
               $$0StatID:(DE-HGF)0111$$2StatID$$aWoS$$bScience Citation Index Expanded
000008325 915
               $$0StatID:(DE-HGF)1150$$2StatID$$aDBCoverage$$bCurrent Contents - Physical, Chemical and Earth Sciences
000008325 915
               $$0StatID:(DE-HGF)1160$$2StatID$$aDBCoverage$$bCurrent Contents - Engineering, Computing and Technology
```





Websites: Using of authority records and gsblst

PUBLICATIONS

Home → Publications → Scientific publications

SCIENTIFIC ARTICLES, BOOKS, AND CHAPTERS

TEAM

Scientific publications of the CMI group

All literature references are specified according to the standards of the German Union Catalogue of Serials. All titles link to the DESY publication database, containing links to preprints, e.g., arXiv.

RESEARCH

2017 2016 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998

2017



CMI HOME

Schmiedt, H.; Schlemmer, S.; Yurchenko, S. N.; Yachmenev, A.; Jensen, P. (Corresponding author) A semi-classical approach to the calculation of highly excited rotational energies for asymmetric-

Physical chemistry, chemical physics 19(3), 1847 - 1856 (2017) [10.1039/C6CP05589C]



BibTeX | EndNote: XML, Text | RIS

2016



Klein, L. B.; Morsing, T. J.; Livingstone, R.; Townsend, D.; Sølling, T. I. (Corresponding author) The effects of symmetry and rigidity on non-adiabatic dynamics in tertiary amines: a time-resolved photoelectron velocity-map imaging study of the cage-amine ABCO Physical chemistry, chemical physics 18(14), 9715 - 9723 (2016) [10.1039/C5CP07910A]

LIBRARIES POF >>



Ilchen, M.; Mazza, T.; Karamatskos, E. T. (Corresponding author); Markellos, D.; Bakhtiarzadeh, S.; Rafipoor, A. J.; Kelly, T. J.; Walsh, N.; Costello, J. T.; O'Keeffe, P.; Gerken, N.; Martins, M.; Lambropoulos, P.; Meyer, M.

Two-electron processes in multiple ionization under strong soft-x-ray radiation Physical review / A covering atomic, molecular, and optical physics and quantum information 94(1), 013413 (2016) [10.1103/PhysRevA.94.013413]



BibTeX | EndNote: XML, Text | RIS

Kirian, R. A.; Awel, S.; Wiedorn, M.; Horke, D.; Roth, N.; Eckerskorn, N. O.; Küpper, J.; Chapman, H. N.; Rode, A. V.

Development of a photophoretic optical guide for femtosecond x-ray diffractive imaging of aerosolized nanoparticles (Conference Presentation)

CFEL Home

CAREERS



NEXT SEMINARS

NEWS & EVENTS

There are no seminars scheduled for the coming days.

RECENT HIGHLIGHTS

CMI @ Science on Tap - Wissen vom

17 November 2016

Read more 4

Watching chemical reactions at work: Helmholtz cooperation lays foundations for the detailed observation of chemical processes using a tabletop laser and special-purpose detector 16 November 2016

Read more

RECENT PUBLICATIONS

A semi-classical approach to the calculation of highly excited rotational energies for asymmetric-top molecules Physical chemistry, chemical physics 19(3), 1847 - 1856 (2017)



BibTeX | EndNote: XML. Text | RIS

The effects of

Output format gsblst:

- Join² output format: only one format for all instances
- Using of authority records
- High Google ranking via hyperlinks
- CSS compatible standard for all users
- Open Access labeling
- Using of cover images





HGFStatistics2: The Statistics tool of Join²

HGFStatistics for 2016 with at least one DESY author in POF 3

41574 records in collection "VDB" 2891 records relevant for "WEB 2016"

Export on Export off

Per statistics key

919	records	ISI + Scopus (POF3)	(POF3)				
941	records	WOS listed journal OR entry (POF2)	(WOS_UT)				
954	records	All of WoS and Scopus listed	(All_WOS_Scopus)				
894	records	Scopus listed	(Scopus)				
886	records	Thomson Reuters Master Journal List	(TRMJL)				
860	records	JCR listed	(JCR)				
19	records	WOS and not JCR	(WOSnonJCR)				
879	records	Web of Science	(WOS)				
338	records	Other refereed	(OtherRef)				
3	records	Refereed NOT in WoS	(OtherNonWoS)				
9	records	Refereed but NOT in WOS or Scopus	(OtherNonPOF3)				
955	records	All refereed	(Ref_all)				
744	records	Pubmed listed	(Medline)				
289	records	DOAJ listed	(DOAJ)				

Per document type

2	of type	Abstract
43	of type	Dissertation / PhD Thesis
233	of type	Internal Report
1008	of type	Journal Article
21	of type	Lecture
4	of type	Master Thesis
7	of type	Bachelor Thesis
1	of type	Patent
53	of type	Poster
379	of type	Preprint

Overview of the institution

- Per statistics key
- Per publication type
- Coverage via "web" year (wissenschaftlicher Ergebnisbericht) for reporting
- All numbers are hyperlinks: queries against the database

919	records	ISI + Scopus (POF3)	(POF3)	EndNote Text EndNote XML RIS BibTeX
941	records	WOS listed journal OR entry (POF2)	(WOS_UT)	EndNote Text EndNote XML RIS BibTeX
954	records	All of WoS and Scopus listed	(All_WOS_Scopus)	EndNote Text EndNote XML RIS BibTeX
894	records	Scopus listed	(Scopus)	EndNote Text EndNote XML RIS BibTeX

View and selection of current output formats, like EndNote, BibTeX, RIS





HGFStatistics2: Full statistics

Per program and statistics key

										Search:				
.	ISI + Scopus + (POF3)	WOS listed journal OR entry (POF2)	All of WoS and Scopus listed	Scopus listed	Thomson Reuters Master Journal List	JCR listed	WOS and not JCR	Web of Science	Other refereed	Refereed NOT in WoS	Refereed but NOT in WOS or Scopus	All refereed	Pubmed listed	DOAJ listed
610 - Materie und Universium (POF III: 2015 - 2019)	534	543	548	519	520	506	13	519	182	1	1	549	371	209
620 - Von Materie zu Materialien und Leben (POF III:	322	335	342	313	304	293	6	299	132	2	8	342	320	66
630 - Materie und Technologie (POF III: 2015 - 2019)	72	72	73	71	70	69	0	69	30	0	0	73	61	16
890 - ohne Programm (POF III: 2014 - 2019)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Overview of POF programs, groups, grants, experiments or conferences:

- Per statistic keys or publication types
- Different coverages and full searchable and customizable





Short Summary



- Retrospective statistics possible, e.g transition POF2 -> POF3 period
- High quality in meta data via DOI import
- Complex searches: easy to use
- Evaluation also for groups, grants, experiments or conferences possible
- Statistics for Open Access planned
- The POF4 period is coming!

https://bib-pubdb1.desy.de/record/318763







Part 2: JOIN2 authority records for external reporting also?

OpenAIRE publications – done

Kerndatensatzforschung?





,Kerndatensatz Forschung' for research information & reporting

Starting at January 1st 2016 the Kerndatensatz Forschung was introduced for the standardisation in the field of research information in Germany on a voluntary base:

http://www.kerndatensatz-forschung.de/

with objects: Person, grant, Phd program, patent, publication, research infrastructure





,Kerndatensatz Forschung' for research information & reporting

http://www.kerndatensatz-

forschung.de/version1/technisches datenmodell/xsd/kdsf-

basis.xsd

```
-<xs:complexType name="GemeinsameBerufung Type">
  -<xs:sequence>
      <xs:element name="NameDerWeiterenEinrichtung" type="xs:string" maxOccurs="unbounded"/>
   </r></xs:sequence>
 </xs:complexType>
-<xs:complexType name="Drittmittelprojekt Type">
  -<xs:complexContent>
    -<xs:extension base="cf:cfProj Type">
      -<xs:sequence>
          <xs:element ref="kdsf-basis:FachId" minOccurs="0" maxOccurs="unbounded"/>
          <xs:element ref="kdsf-basis:ForschungsfeldId" minOccurs="0" maxOccurs="unbounded"/>
          <xs:element ref="kdsf-basis:cfOrgUnitId" minOccurs="0" maxOccurs="unbounded"/>
          <xs:element ref="kdsf-basis:MittelgeberId" minOccurs="0" maxOccurs="unbounded"/>
          <xs:element name="Drittmitteleinnahmen" type="kdsf-basis:Betrag Type" minOccurs="0"/>
          <xs:element name="Drittmittelertraege" type="kdsf-basis:Betrag  Type" minOccurs="0"/>
          <xs:element name="Koordinationsrolle" type="xs:boolean" minOccurs="0"/>
          <xs:element name="KoordinatorEinrichtung" type="xs:string" minOccurs="0"/>
        </xs:sequence>
```

oriented on the Common European Research Information Format – CERIF: http://eurocris.org/cerif/main-features-cerif



As small units we cannot extend our systems to a full CRIS or organize change processes to adapt organizational structures to reporting structures belong the Kerndatensatz Forschung.

Can we deliver to object fields like publication or patent with our existing JOIN2 instances within our own organizations?



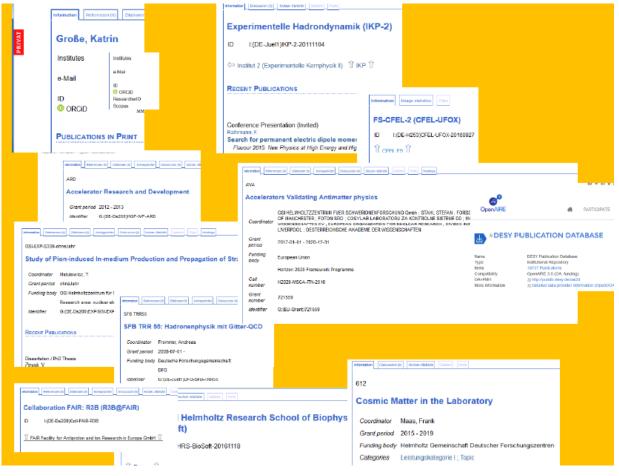


We have

- about 134000 authority records for personnel, grants,
 research infrastructure, departments, e-journals (part 1)
- => so we can build the necessary KDSF aggregations
- via import and enhancement we have most of the recommended identifier DOI, ORCID, INSPIRE-ID, PUBMED-ID, ...
- we could re-used programs of the Helmholtz/POF statistic tool









Some special fields are problematic for our implementation:

- peer-reviewed (missing computer operational definition)
- separation paper-online publication (contradiction to our statistics tool)
- some specialized values and specifications are not really relevant for our research fields (e.g. bibliography), because of different culture in publication background

So we have to make some compromises.

Main reason is that for our scientists the entry template must be usable and understandable without huge handbooks or trainings





One of the next steps

One of the next steps in JOIN2 is to implement a CERIF export format as one of our output formats for the coming current research information systems in our organizations, which are not decided yet.

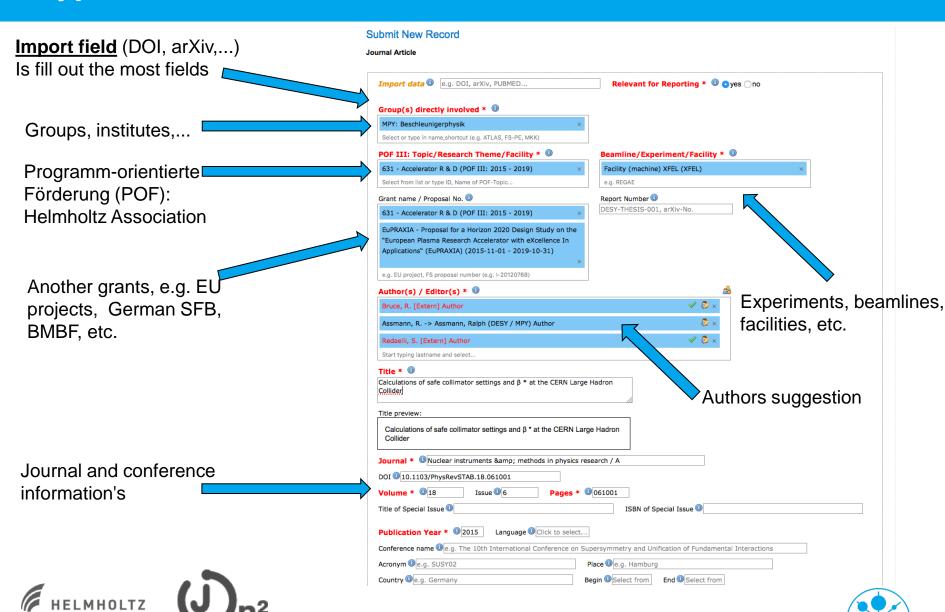
If the CERIF information will be make open in our instances is not decided also.

THANK YOU. QUESTIONS?



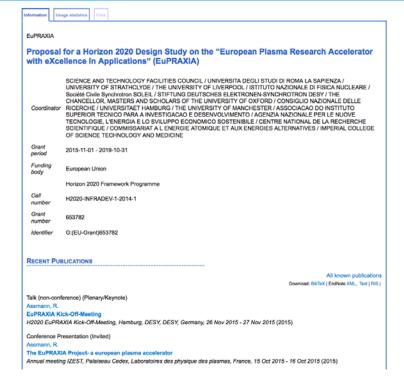


Typical websubmit: PubDB / DESY



Typical authority records for grants





- Mapping of structures (organizations), e.g. top level grants
- Connection to bibliographic records
- Additional information's, like chairman, institutes, etc.
- We use identifier!





statURL.py: Preselection of HGFStatistics2





SUBMIT PERSONALIZE HELP **ADMINISTRATION** • PUBDB Home Please fill out with year or year range: 2016 or 2010->2015 At least one internal author? yes \$ At least one external author? POF Period: POF III \$ **Additional Parameters:** Collection: VDB POF Category: Programm Cache: [no \$ Calculation of: ✓ POF ✓ Institutes □ Grants □ Experiments □ Conferences

- Which year or year range?
- At least one internal author?
- At least one external author?
- Which POF period (POF I-III)
- Which workflow collection?
- Which POF category? (field of research, program, topic, subtopic)
- Using of cached data?
- Which parts of calculations?



Calculate

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