

ASEP ANALYTICS



A Source for Evaluation at the Academy of Sciences of the Czech Republic (AS CR)

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The Library of the Academy of Sciences of the Czech Republic

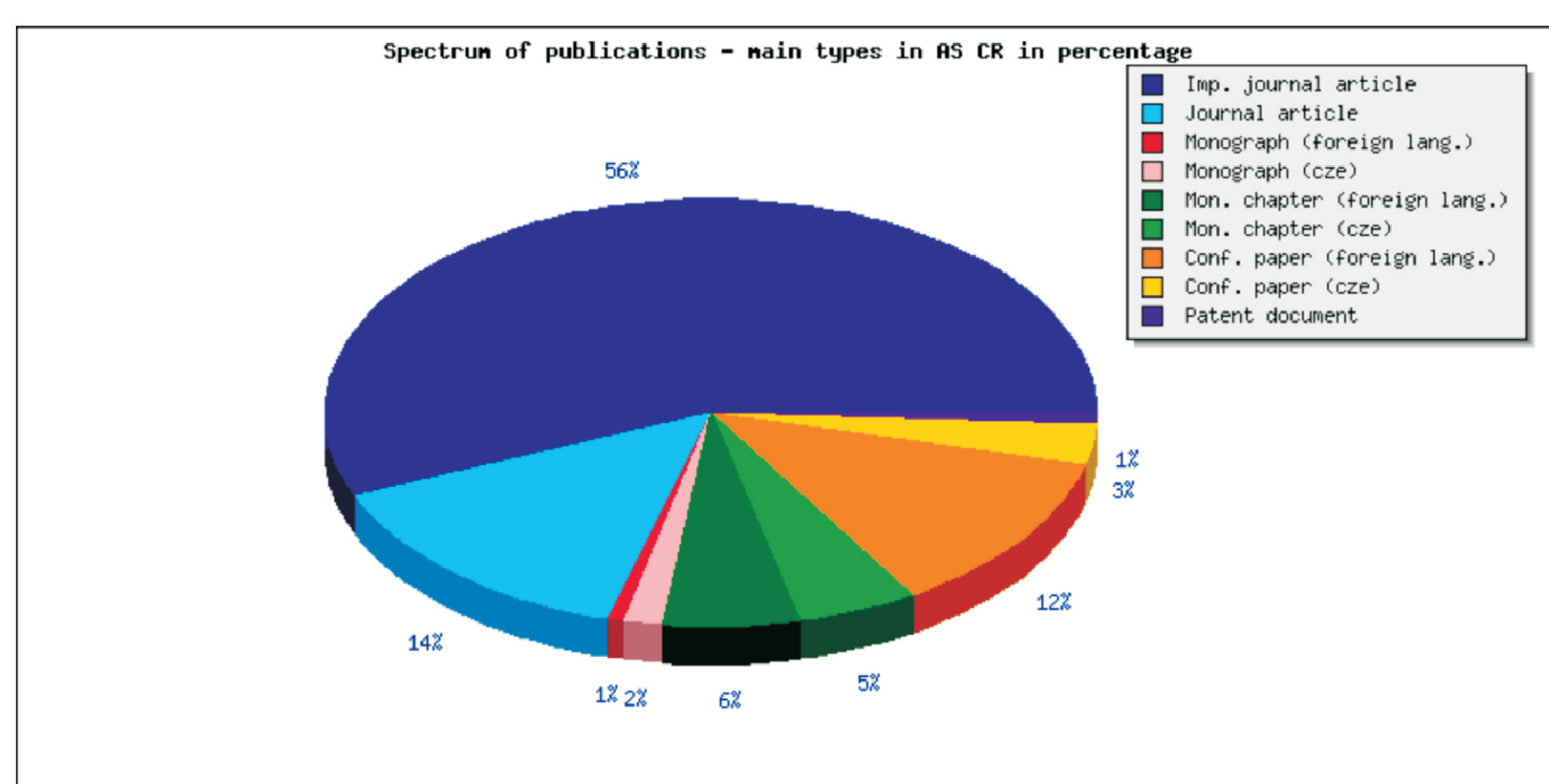
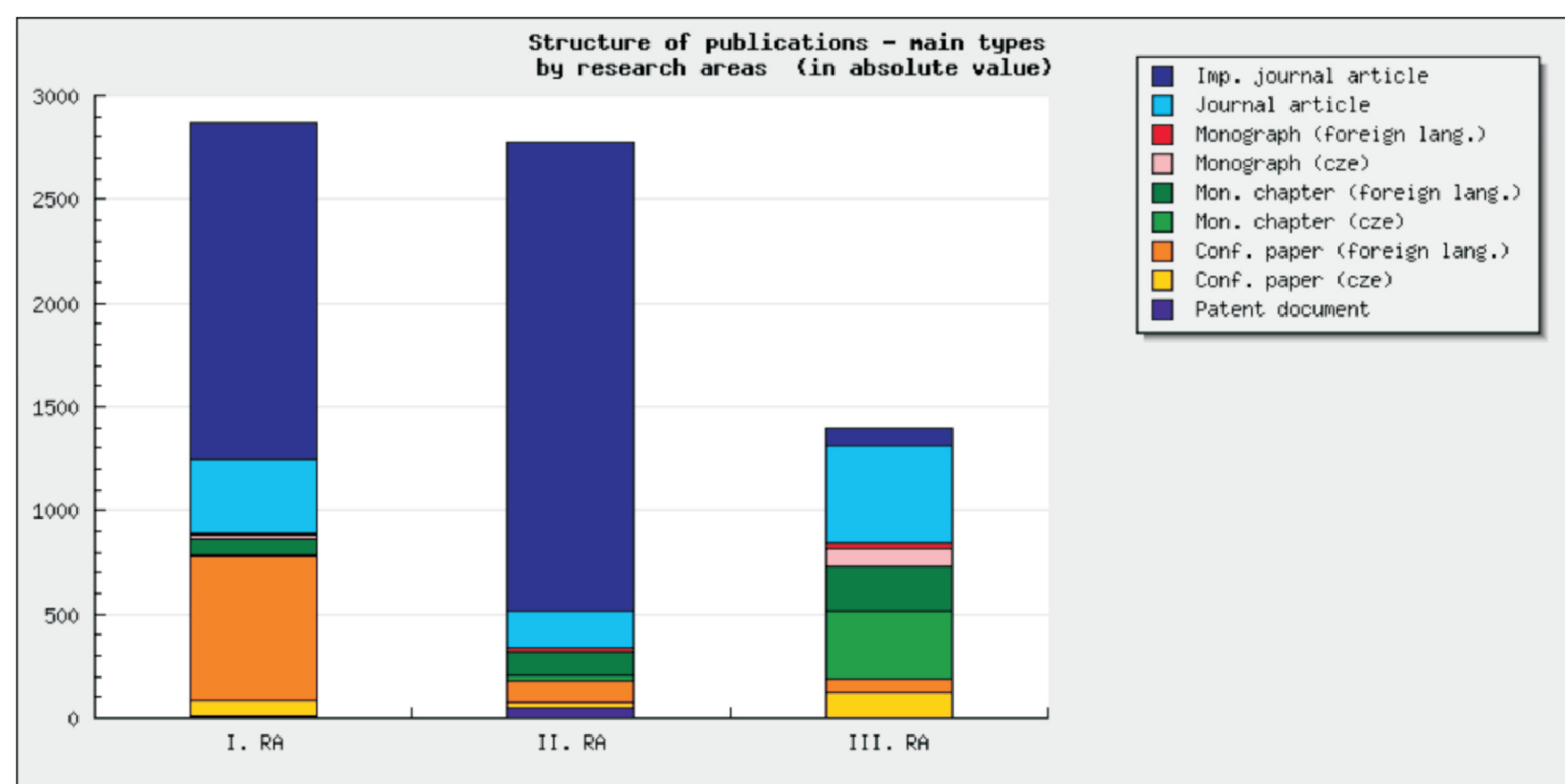


Fig. 1: Number of documents in the AS CR (2012)



	I.	II.	III.
Imp. journal article	1620	2280	92
Journal article	361	184	465
Monograph (foreign lang.)	12	10	24
Monograph (czech)	12	6	92
Mon. chapter (foreign lang.)	75	115	213
Mon. chapter (czech)	12	22	327
Conf. paper (foreign lang.)	693	107	64
Conf. paper (czech)	72	29	123
Patent document	13	44	0

Fig. 2: Number of documents in research areas (2012)

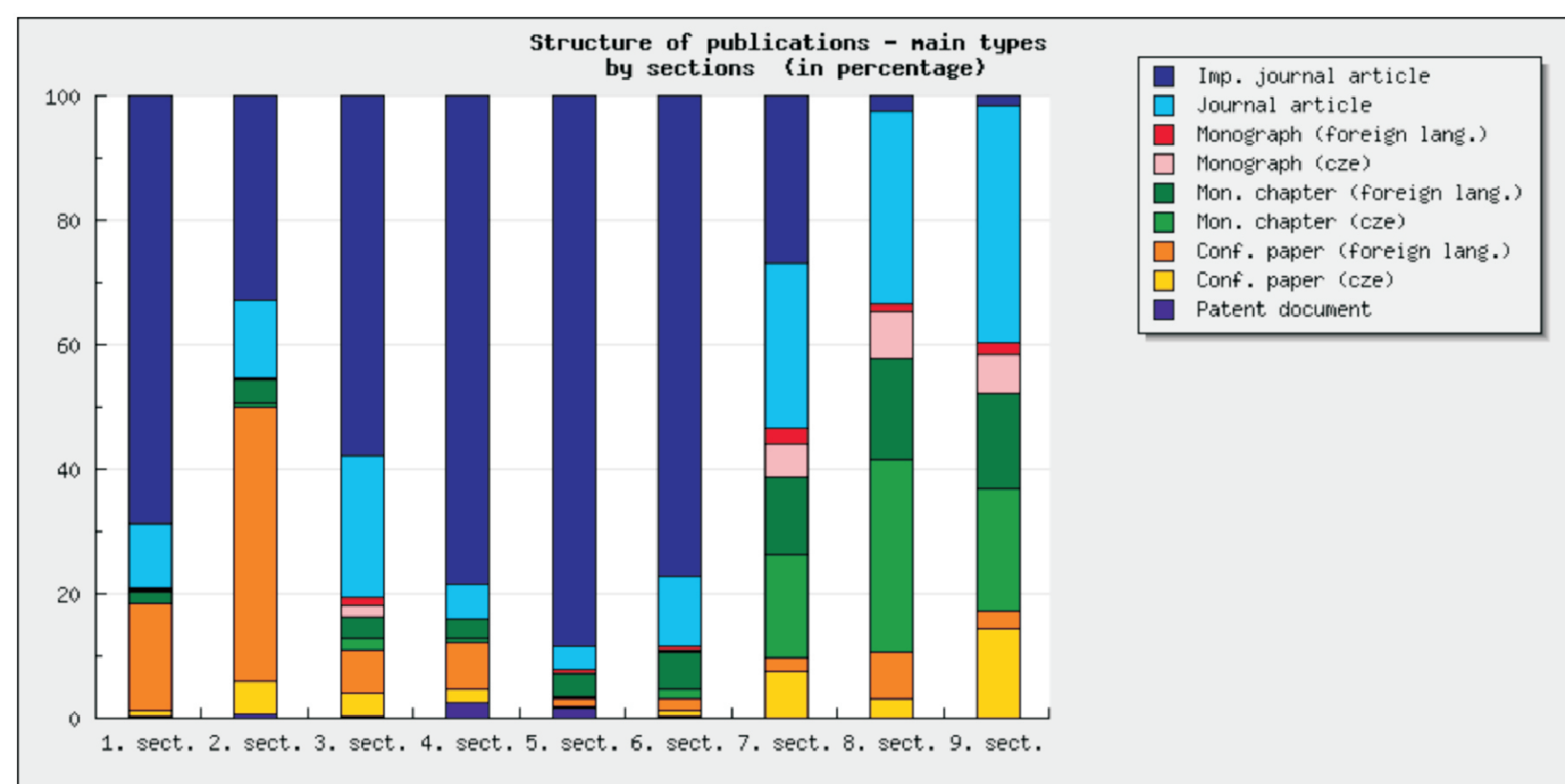
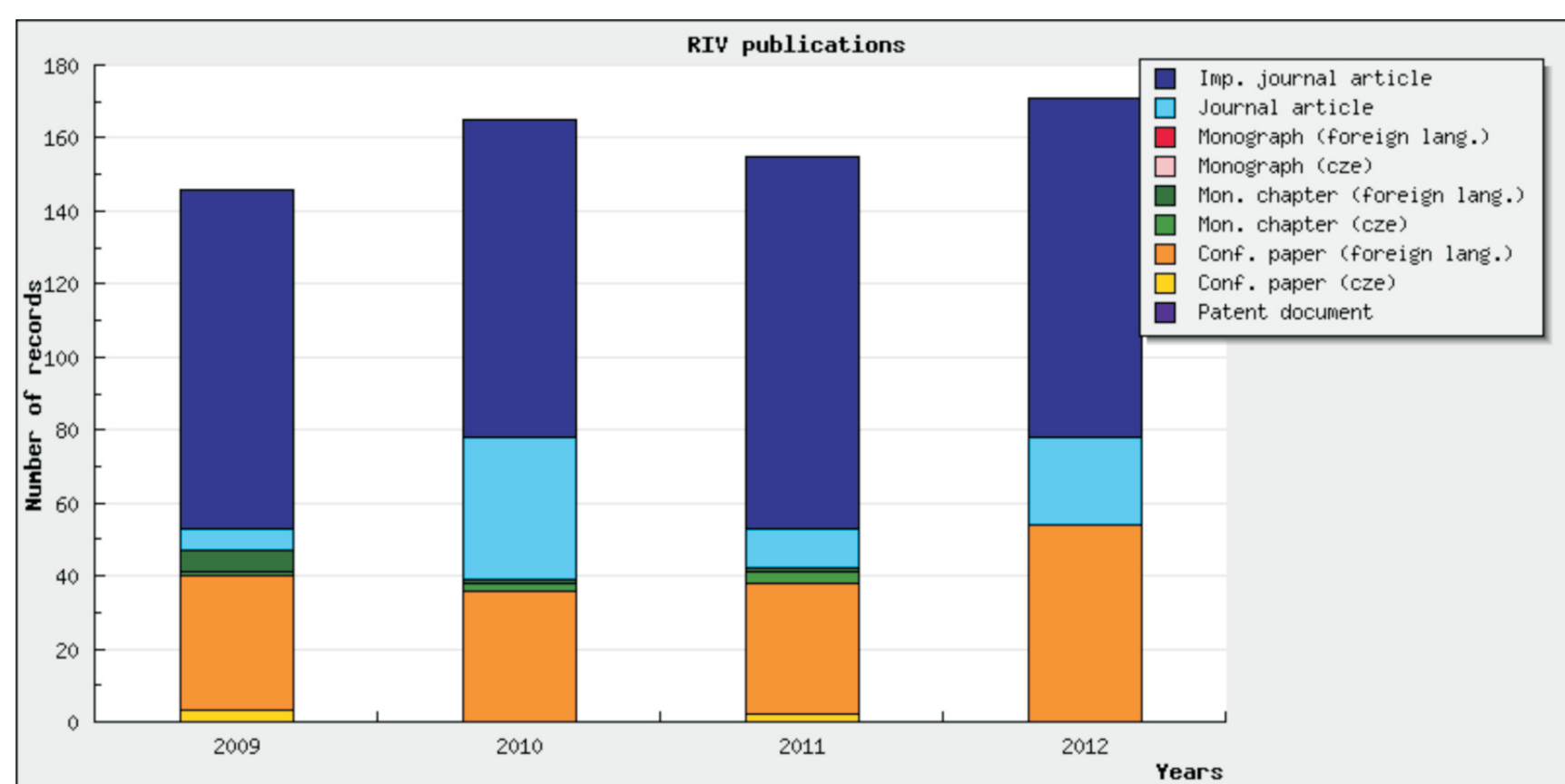


Fig. 3: Number of documents in sections (2012)



	2009	2010	2011	2012
Imp. journal article	93	87	102	93
Journal article	6	39	11	24
Monograph (foreign lang.)	0	0	0	0
Monograph (czech)	0	0	0	0
Mon. chapter (foreign lang.)	6	1	1	0
Mon. chapter (czech)	1	2	3	0
Conf. paper (foreign lang.)	37	36	36	54
Conf. paper (czech)	3	0	2	0
Patent document	0	0	0	0

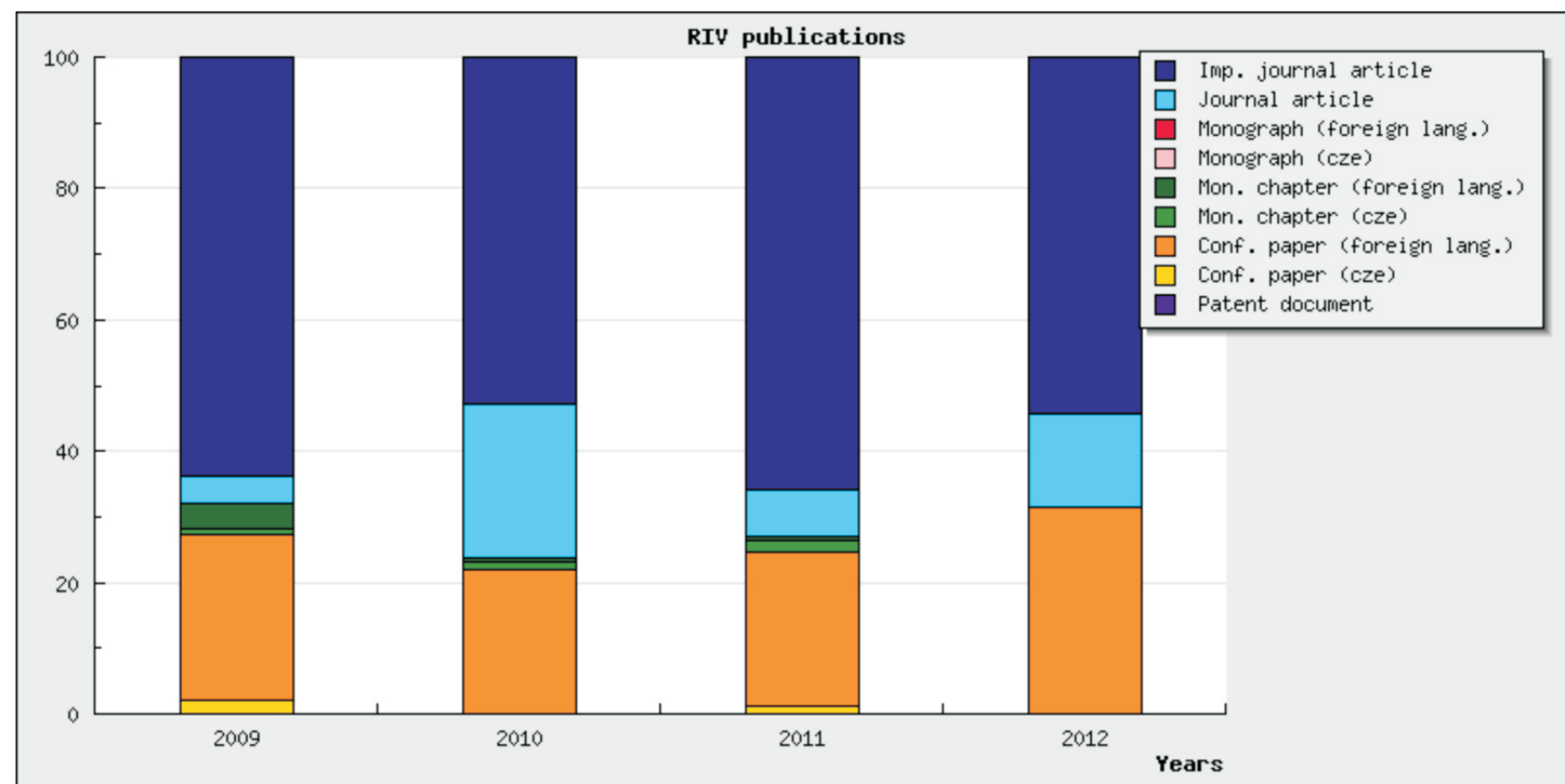


Fig. 4: Number of specific document types (2008–2012) in an institute

AS CR

54 institutes
> 4,500 scientists

3 Research Areas (9 sections)
1st RA Mathematics, Physics and Earth Sciences
2nd RA Life and Chemical Sciences
3rd RA Humanities and Social Sciences

AS CR Library

www.knav.cz

Coordination of data collection and archiving,
system development,
preparation of documents
and statistics

ASEP – bibliographic database

foundation 1993
OPAC – on-line catalogue 2006
ASEP ANALYTICS 2009
repository (archive) 2012
number of citations > 220,000
average annual increase 11,000
document types 29

ASEP ANALYTICS

www.knav.cz/ar/

On-line analytical reports of institutes, departments and researchers derived by a combination of queries and calculations from the data stored in the ASEP database.

Charts for the AS CR, research areas and sections for a selected period of time (Fig. 1, Fig. 2, Fig. 3).

Homepage of institute, scientist

Summaries of publications by institutes or researchers in a selected period of time (Fig. 7, Fig. 8).

Statistics – charts and tables for a selected period of time by institute, department, author.

Examples:

- the number of results pertaining to specific types of documents (Fig. 4),
- the average impact of an institute (Fig. 5), the number of different types of results for each department within an institute (Fig. 6).

Evaluation in the AS CR

- by the institute (every year) – individual evaluation of scientists and departments,
- by the AS CR (every 5 years, last 2010) – bibliometric quantitative and qualitative (peer review) evaluation of institutes, the presence of international evaluators,
- by the state (every year) – evaluation of projects with financial support from the government budget of the Czech Republic (Fig. 9).

The information in ASEP Analytics is gradually expanded and perfected as required by the rules of evaluation in the AS CR and in the Czech Republic.

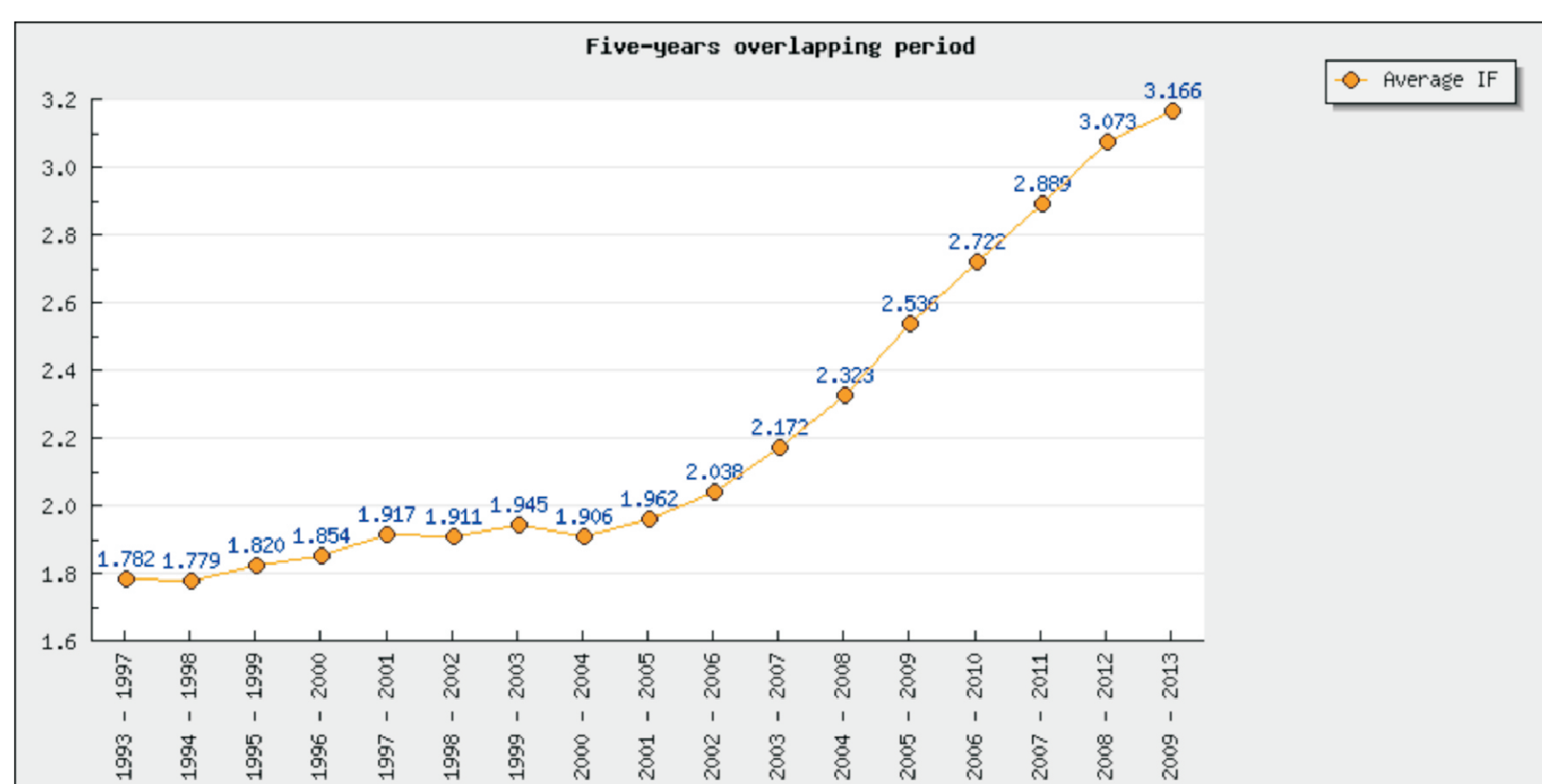
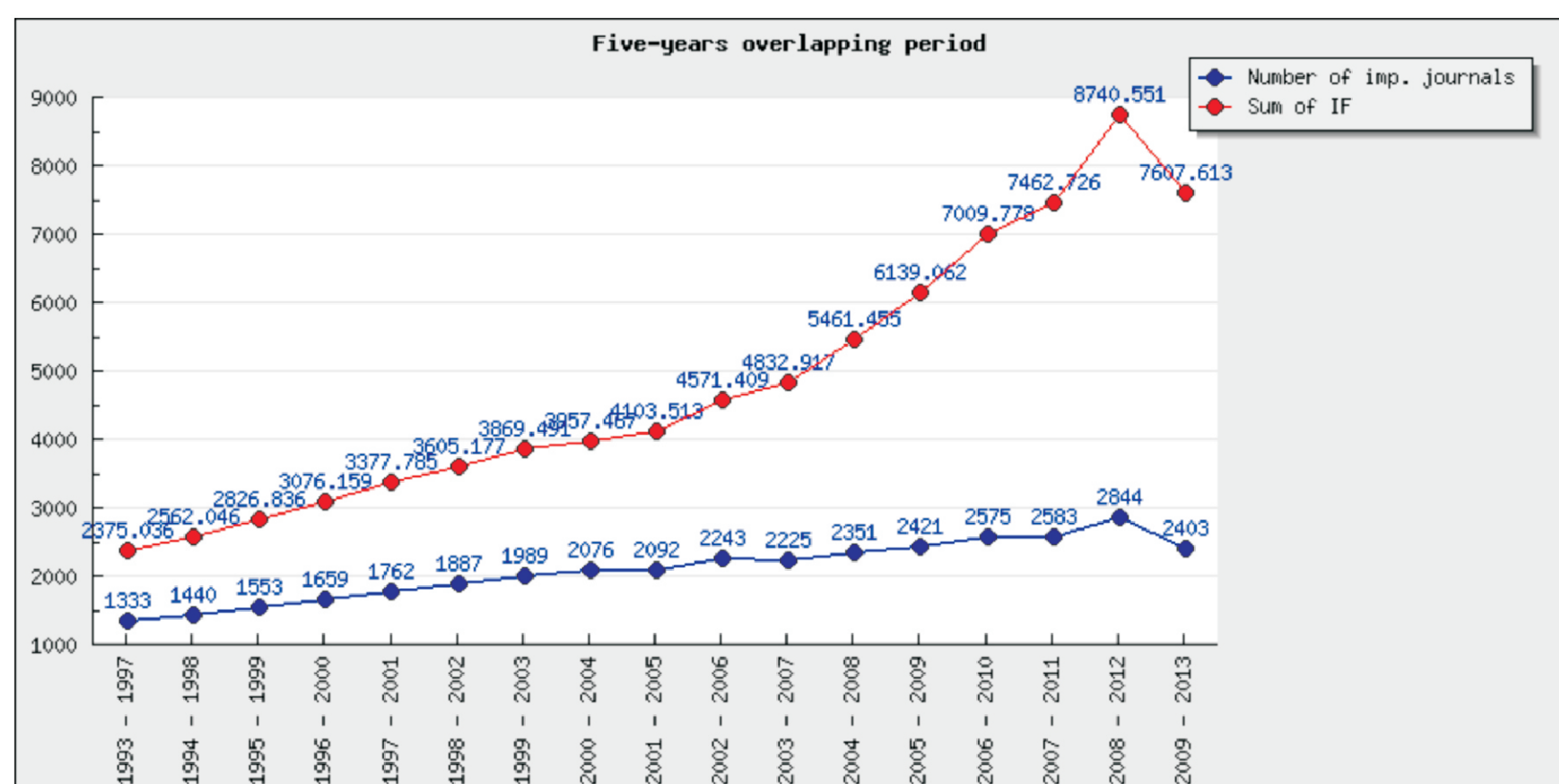


Fig. 5: Average impact factor of an institute

	Imp. journal article	Journal article	Monograph (foreign lang.)	Monograph (czech)	Mon. chapter (foreign lang.)	Mon. chapter (czech)	Conf. paper (foreign lang.)	Conf. paper (czech)	Patent document
(1) Didactics of mathematics	1	1	1	2	3	3	25	16	0
(2) Differential equations	60	44	2	2	1	1	8	3	0
(3) Constructive methods of mathematical analysis	52	41	1	0	2	1	44	0	0
(4) Partial differential equations	155	36	2	0	10	0	21	0	0
(5) Topology and functional analysis	145	25	4	0	6	0	10	1	0
(6) Fundamental mathematical structures	77	6	1	1	1	0	56	0	0

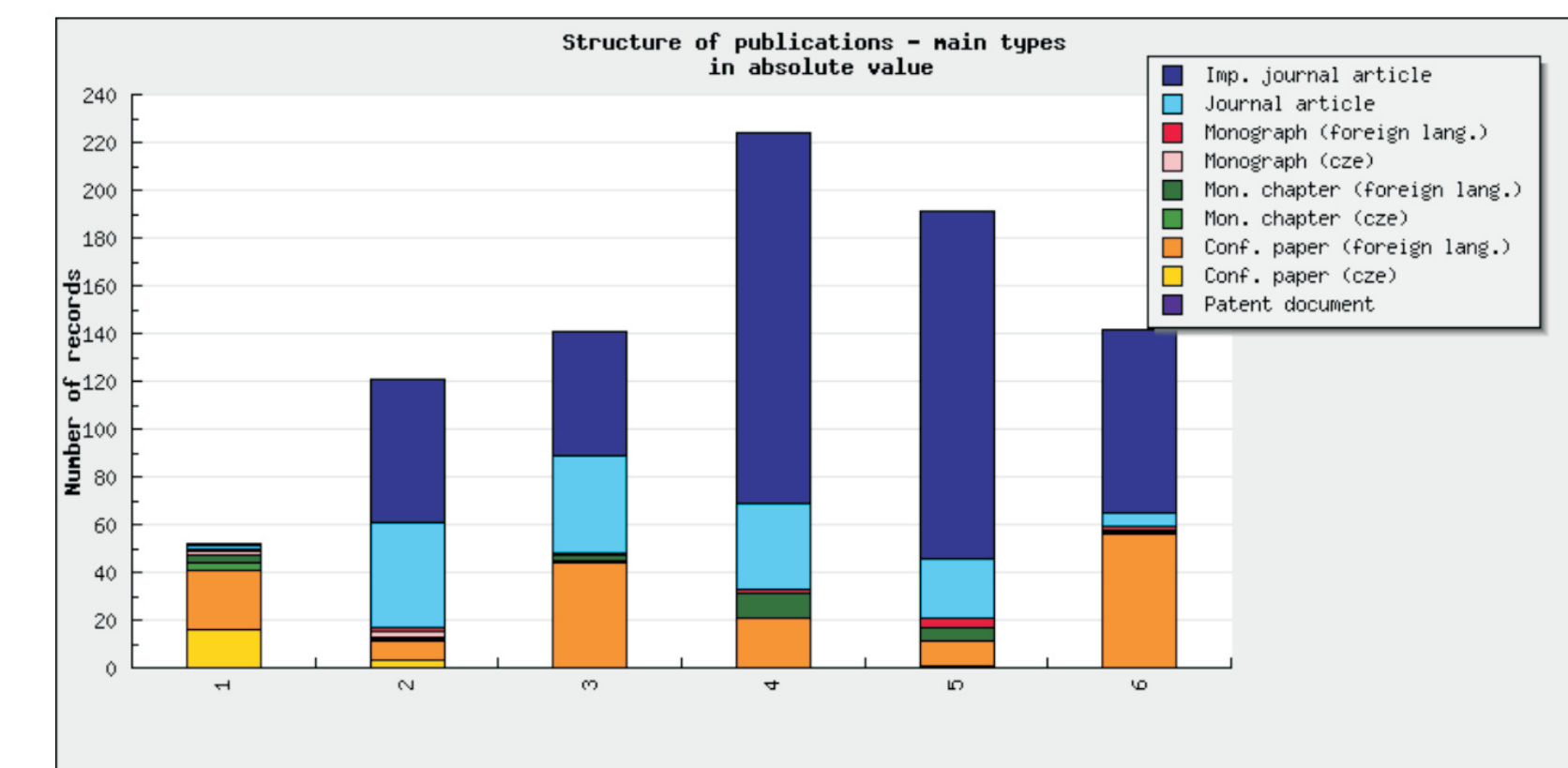


Fig. 6: Number of results by document type and department

Library of the Academy of Sciences of CR

ASEP Analytics

Homepage | Statistics of departments | Statistics of institution | Change institute | On-line catalogue | Help

Astronomical Institute of the ASCR, v. v. i.

Publications of ASEP | Authors Bibliography | RIV – actual data collecting | Statistics | R&D Projects | Institutional Support

Česky | English

Publications of ASEP

Publication year:

☐ 2013 ☒ 2012 ☐ 2011 ☐ 2010 ☐ 2009 ☐ 2008 ☐ 2007 ☐ 2006

☐ 2005 ☐ 2004 ☐ 2003 ☐ 2002 ☐ 2001 ☐ 2000 ☐ 1999 ☐ 1998

☐ 1997 ☐ 1996 ☐ 1995 ☐ 1994 ☐ 1993

All years

Journal Article ☐ RIV ☐ not RIV

Journal Article

Page: 1 2 3
Displayed: 1-50
Total results: 119

Aret, Anna; Kraus, Michaela; Muratore, M.F.; Borges Fernandes, M. A new observational tracer for high-density disc-like structures around B[e] supergiants. *Monthly Notices of the Royal Astronomical Society*, 2012, Roč. 423, č. 1, s. 284-293. ISSN 0035-8711.

Bahena, D.; Hadraava, Petr. First stars. II. Evolution with mass loss. *Astrophysics and Space Science*, 2012, Roč. 337, č. 2, s. 651-663. ISSN 0004-6460.

Fig. 7: Home page of ASEP Analytics for an institute, summaries of publications

0582202 - WU-W 2011 RIV-Ch eng J - Journal Article

Narain, A. K.; Koss, B. A New Characterization of AGO(1) and Probabilistic CCO

Computational Complexity, Roč. 19, č. 2 (2010), s. 211-234. ISSN 1018-3338

15th Annual IEEE Conference on Computational Complexity, Paris, 15-20 2009-18 07 2009

R&D Projects: GA CR GAP202100864, GA MŠK(CZ) 1M0545, GA AV CR IAA100190602

Institutional Support: CEZ-AV/CEZ10100000

Keywords: bounded depth circuits * counting circuits * arithmetic circuits * complexity classes

Subject RIV: BA - General Mathematics

Impact factor: 1.450, rok: 2010

Permanent Link: <http://hdl.handle.net/11154/191984>

DOI: 10.1007/978-3-70-010287-2

WOS

RIV - RIV

Evaluation - RIV 2011

Evaluation - RIV 2012

ASEP - Institutional Repository ASCR

Fig. 8: Record result with references (DOI, WOS, R&D evaluation, ASEP repository permalink)

Publications of ASEP | Authors Bibliography | RIV – actual data collecting | Statistics | R&D Projects | Institutional Support

Česky | English

R&D Projects

Display: In progress

Page: 1
Displayed: 1-50
Total results: 24

GA CR

CEP GAP209/12/1652 Project results

Analýza netermálních distribucí elektronů ve sluneční koruně a přechodové oblasti

Recipient: Astronomický ústav AV ČR, v. v. i.

Resolver: Džifáková Elena

Project solving date: 2012-2017

CEP GAP209/12/2041 Project results

Elektronové termální a netermální vlastnosti ve sluneční větru

Recipient: Astronomický ústav AV ČR, v. v. i.

Resolver: Travníček Pavel M.

Project solving date: 2012-2015

Fig. 9: Project results