



**Services
of the TBU
Library for
researchers**

Ivan Masár, TBU

EuroCRIS 2017, Bratislava

Tomas Bata University in Zlín

- est. 2000 (first faculty since 1969)
- ~10,000 students
- 6 faculties



Tomas Bata University in Zlín

Why the Library?

- Office of the Vice-rector for Research and Development
- Administrative staff from faculties
- our previous involvement
 - acquisition and management of electronic databases
 - training for el. databases
 - training for citations and citation metrics
 - DOI and identifiers
 - ILL
 - information systems
- institutional repository



Services for authors

regarding published outputs / publication workflow

- new records in the institutional repository, CRIS
- PlumX
- author identifiers
 - ResearcherID
 - ORCID
- corrections in Scopus, WoS
- author profiles



Institutional repository

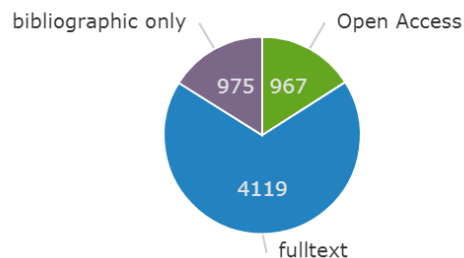
Repository of TBU publications

This repository contains a bibliography of publications by authors from Tomas Bata University in Zlin. It's focused only on [officially rated](#) results of TBU science and research – journal articles, conference papers and monographs.

Repository goals:

- Provide a current bibliography of articles in peer-reviewed journals, conference papers and monographs
- Present TBU publications to the public and to academicians.
- Gradually collect full texts of these publications for archiving and making them accessible.
- Support TBU [Science and Research](#)
- Support [Open Access](#)

Bibliographic records total: 6061
Full text documents: 5086
Open Access: 967 ([view](#))
Last import: 2017-10-16



The repository of theses and dissertations is at
<http://digilib.k.utb.cz/>

Information for authors

Active participation of authors of rated results is required to ensure archiving articles for TBU internal needs and for publishing them as Open Access, if possible. As per [Rector's Decree 10/2015](#), authors are required to submit the full texts.

We'd like to ask you to send the full texts of your articles and conference papers in postprint form (i.e. the last version you submitted to the publisher) to publikace@k.utb.cz. Library will subsequently take care of archiving and verify the possibility of making the article publicly accessible in the repository. More information about autoarchiving, postprints or Open Access is available on our page about [Science and Research](#).

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[Kolomazník, Karel \(171\)](#)
[Bobál, Vladimír \(170\)](#)

Institutional repository

Information for authors

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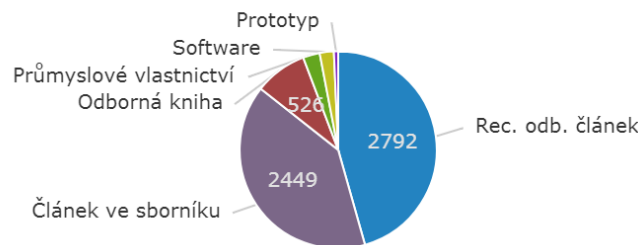
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[Centre of Polymer Systems](#) [576]

Recently Added

[Significant Parameters in Brand Building of a University](#)

Juříková, Martina; Jurášková, Olga; Kocourek, Josef; Kovářová, Kristýna (Univerzita sv. Cyrila a Metoda v Trnave, 2016)

[The perception of budgeting in Czech firms - results of a survey](#)

Dokulil, Jiří; Zlámalová, Jana; Popesko, Boris (Nicolaus Copernicus University Torun, 2017)

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[Vašek, Vladimír](#) (152)
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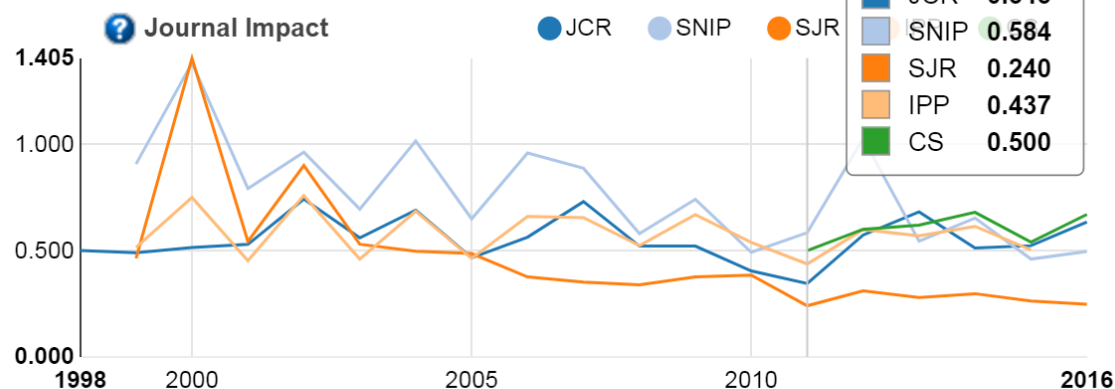
Title: Tensile and Flexural Properties of Beta-Nucleated Polypropylenes

Author: [Obadal, Martin](#); [Čermák, Roman](#); [Habrová, Veronika](#); [Stoklasa, Karel](#); [Šimoník, Josef](#)

Document type: Peer-reviewed article (English)

Source document: International Polymer Processing. 2004, vol. 19, issue 3, p. 308-312

ISSN: 0930-777X ([Sherpa/RoMEO](#), [JCR](#))



DOI: <https://doi.org/10.3139/217.1834>

Abstract:

Resuming our previous work on beta-nucleated polypropylenes, namely on their impact strength, our present work directs attention towards a flexural and tensile behavior of beta-nucleated polypropylenes (beta-PP). For the purposes of this work, commercially available iPP was modified using various amounts of a specific nucleating agent based on N, N'-dicyclohexyl-naphthalenedicarboxamide (NU100). From the prepared blends test specimens were prepared by injection-molding. Structural characterization (crystallinity and the content of beta-phase) was carried out by X-ray diffractometry. A multipurpose mechanical property tester was used for determining of tensile and flexural properties.

Full text: <http://www.hanser-elibrary.com/doi/abs/10.3139/217.1834>

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Citations

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Indexes: 6

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Indexes: [10](#)



Files in this item



Name: Fulltext_1000311.pdf

Size: 519.1Kb

Format: PDF

Description: fulltext



ČSN ISO 690:2011 citation

Citace článku v časopise:

OBADAL, Martin, Roman ČERMÁK, Veronika HABROVÁ, Karel STOKLASA a Josef ŠIMONÍK. Tahové a ohybové vlastnosti beta-nukleovaného polypropylénu. *International Polymer Processing* [online]. 2004, vol. 19, iss. 3, s. 308-312. [cit. 2017-11-19]. ISSN 0930-777X. Dostupné z: <http://www.hanser-elibrary.com/doi/abs/10.3139/217.1834>.

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- new records in the institutional repository, CRIS
- **PlumX**
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- corrections in Scopus, WoS
- author profiles



PlumX

- Plum Analytics (2011) -> EBSCO (2014) -> Elsevier (2017)
- "altmetrics"
 - addition to traditional metrics based on citations (e.g. IF)
- categories of metrics

USAGE ^	560	CAPTURES ^	65	MENTIONS ^	3
Abstract Views ☉	398	Readers ☉	47	Blog Mentions ☉	3
EBSCO	204	Mendeley	47	www.ncbi.nlm.nih.gov	2
DSpace	194	Exports-Saves ☉	18	dx.doi.org	1
PDF Views ☉	67	EBSCO	18		
EBSCO	67				
HTML Views ☉	61				
EBSCO	61	SOCIAL MEDIA ^	20	CITATIONS ^	32
Downloads ☉	24	Shares, Likes & Comments ☉	15	Citation Indexes ☉	32
DSpace	24	Facebook	15	Scopus	32
Link-outs ☉	8	Tweets ☉	5	PubMed Central	5
EBSCO	8	www.mdpi.com	3		
Clicks ☉	2	www.mdpi.com	1		
Bitly	1	www.mdpi.com	1		

PlumX – types of publications

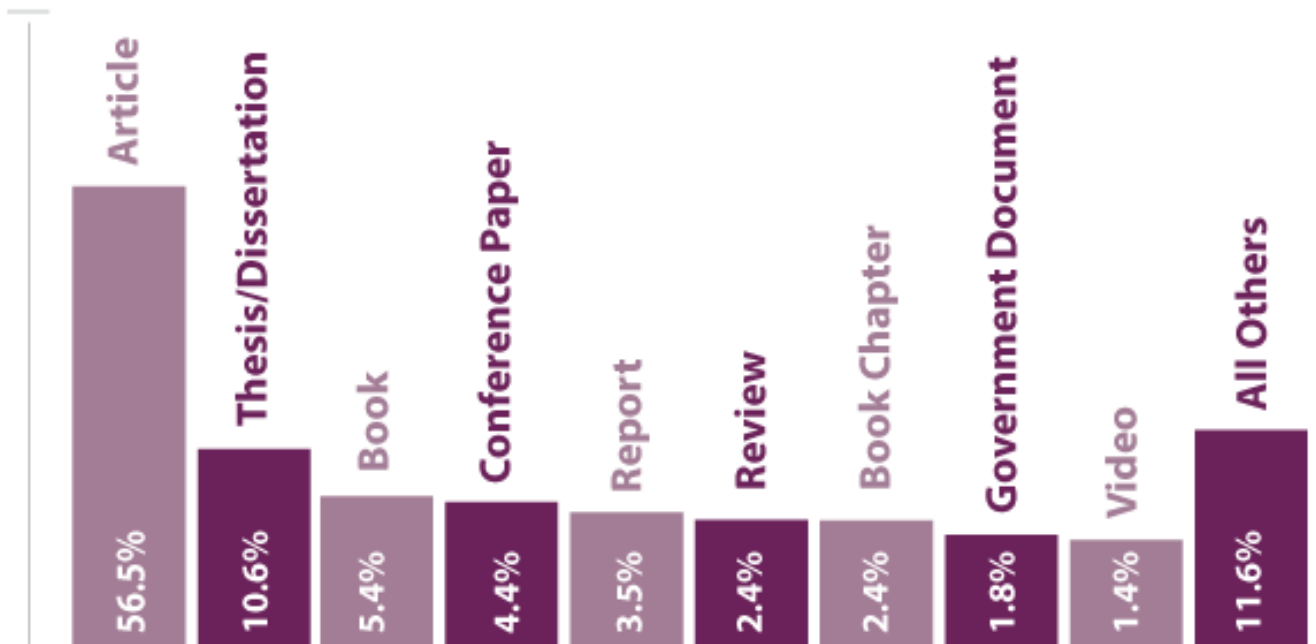
- artifacts: ~70 types

What is Research Output?

There are
67
ARTIFACT
TYPES

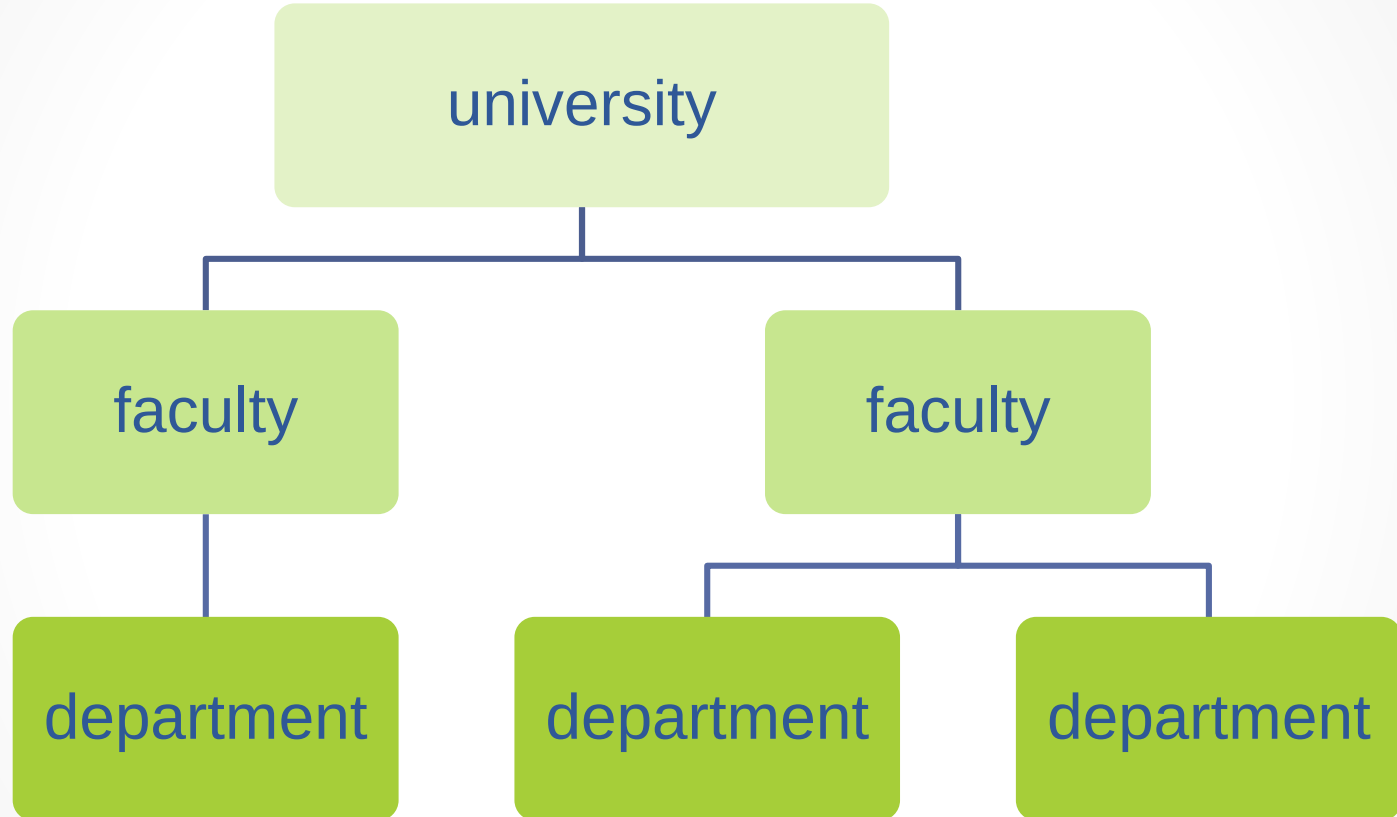
Research output is
more than articles.

Measure
it ALL



PlumX Customers' Research by Type

PlumX - groups



PlumX - group



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Artifact Summary

2632



Article

1819



Conference

562



Chapters

191



Book

169



Patent

Researchers

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Showing 50 of 991



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- Faculty of Applied Informatics
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Article (2632)

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Other (42)

Research Artifact (4)

Abstract (3)

Paper (2)

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Year ▾	Title	Type	All				
			Captures +	Citations +	Social Media +	Mentions +	Usage +
2017	Contribution of individual phenolics to antioxidant activity and in vitro digestibility of wild rices (<i>Zizania aquatica</i> L.).	Article	8		1		567
2017	Analysis and selection of a regression model for the Use Case Points method using a stepwise approach	Article	8		1		33
2017	Properties of spreadable processed Mozzarella cheese with divergent compositions of emulsifying salts in relation to the applied cheese storage period	Article	4				164
2017	A novel multistep method for chondroitin sulphate immobilization and its interaction with fibroblast cells.	Article			2		45
2017	Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles	Article	6				64
2017	Hyaluronan polymeric micelles for topical drug delivery.	Article	6				116
2017	Power generation capacity planning under budget constraint in developing countries	Article	10				85
2017	Synthesis, spectroscopic characterization and DFT calculations of monohydroxyalkylated derivatives of 1-phenyl-2H,6H-imidazo[1,5-c]quinazoline-3,5-dione	Article	2	1			64

PlumX - analyses



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Artifacts by Publication
Year

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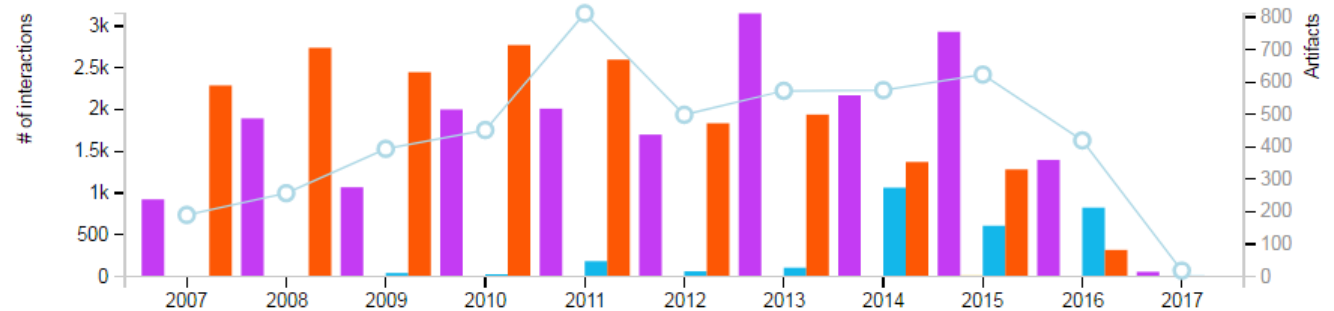
Subgroups Overview

Artifacts Overview

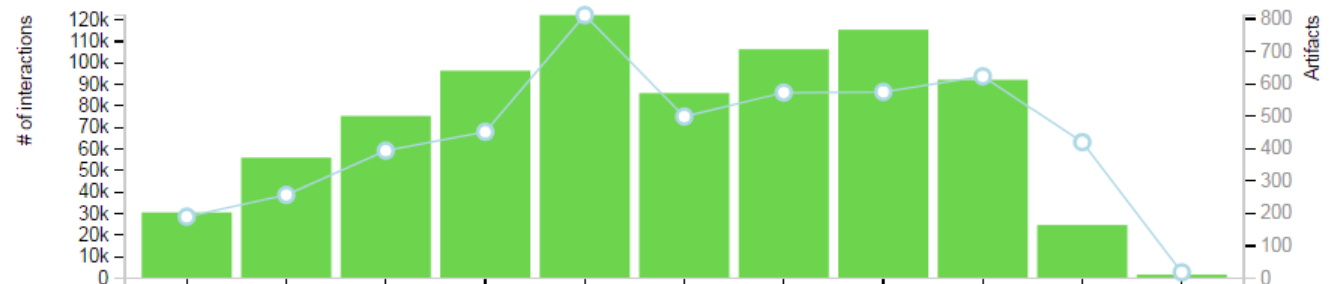
Productivity

Sunburst

Metrics by publication year

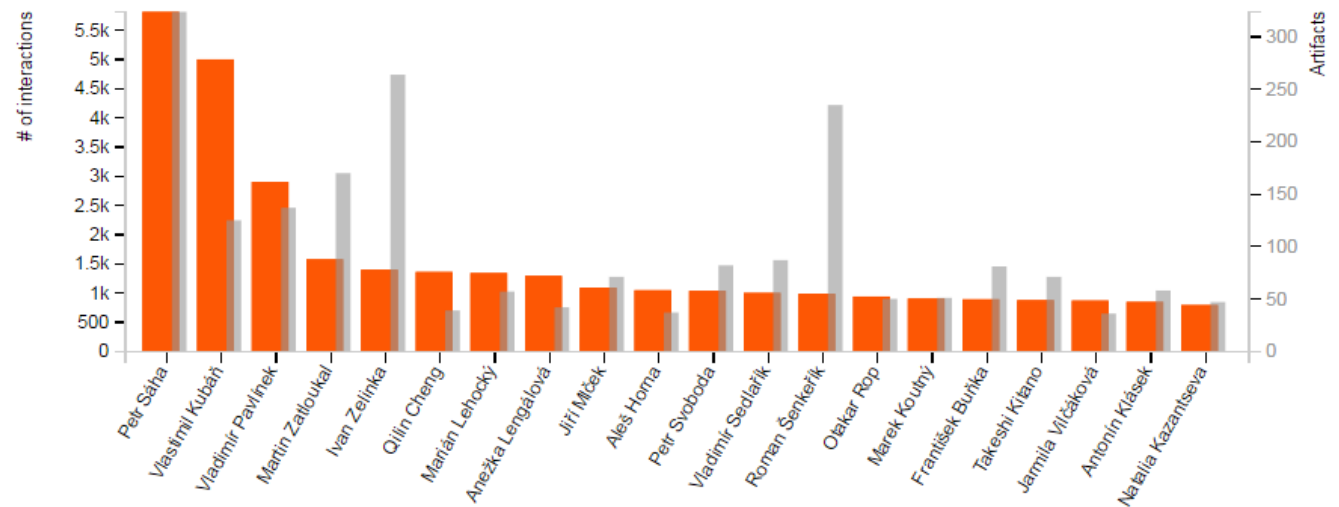


Usage by publication year



PlumX - analyses

Citations



PlumX - analyses

Researcher's Publication

Year

Researchers Overview

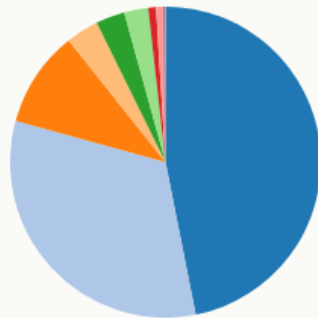
Subgroups Overview

Artifacts Overview

Productivity

Sunburst

Top 14 Artifact Types across Researchers, Sub-Groups, and Grants



ARTIFACT TYPES:

Select an artifact type for more information

Article	2632
Conference Paper	1819
Book Chapter	562
Book	191
Patent	169
Code / Software	141
Review	45
Other	42
Research Artifact	4

ARTIFACT TYPE:

Article

46.88% of total

2632 artifacts

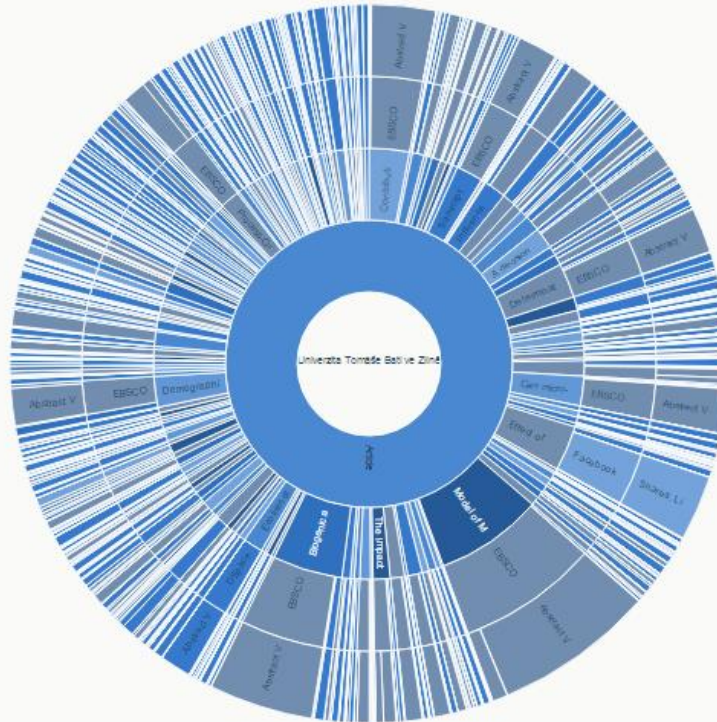
Top 5 researchers

Petr Sáha	240	Vlastimil Kubáň	118
David Mañas	108		
Vladimír Pavlíněk	106		
Miroslav Mañas	102		

Top 5 subgroups

Faculty of Technology	1636
Faculty of Applied Info...	453
Faculty of Managemen...	332
University Institute	289

PlumX - analyses



Model of Market Orientation of High-Tech Firms in Germany: Validation Study

Author(s): Jangl, Patrik

USAGE

DSpace - Abstract Views: 22

DSpace - Downloads: 3

EBSCO - Abstract Views: 1374

EBSCO - HTML Views: 131

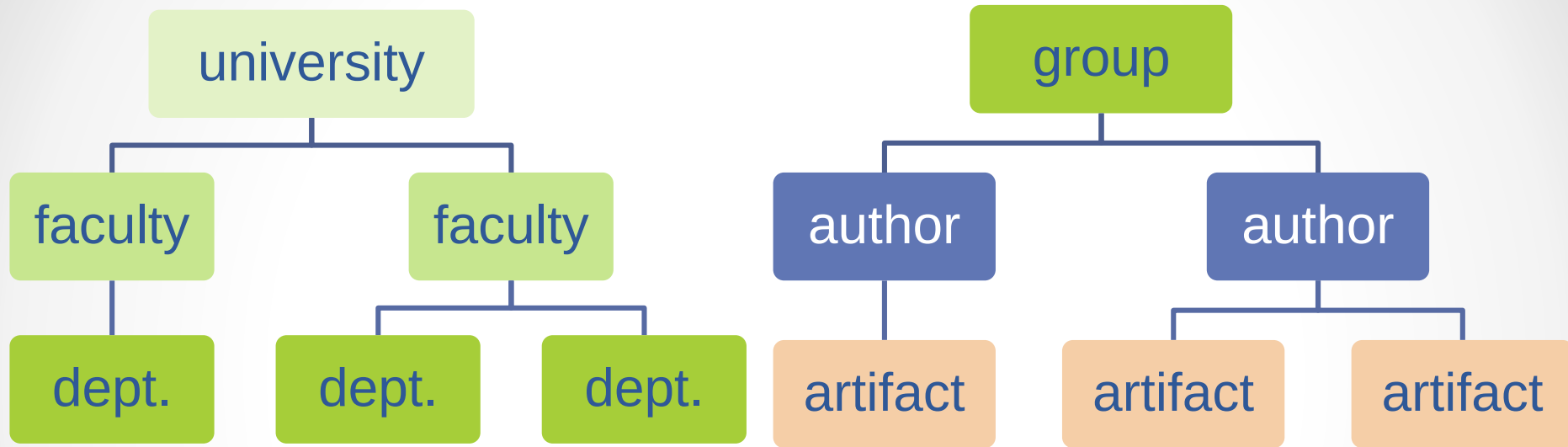
EBSCO - Link-outs: 2

CAPTURES

EBSCO - Exports-Saves: 2

Mendeley - Readers: 7

PlumX – data model



- problem: affiliation to org. unit
- should be a property of the article, not only of the author
- => mis-categorized articles
- authors working in multiple faculties, departments

PlumX – author



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Anežka Lengálová

[Fakulta](#), [ResearcherID](#), [DSpace Author](#)

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Artifact Summary



Article



Conference



Review

All (42)

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Artifact Summary



Article



Conference



Review

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PlumX – author



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Year ▾	Title	Type	All			
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2015	Communication In English - A Must For A Phd Student	Conference Paper				36
2015	From The Beginner To The Mentor	Conference Paper				82
2013	A Pressure Sensing Conductive Polymer Composite with Carbon Nanotubes for Biomechanical Applications	Article	1			110
2011	Effect of compressive strain on electric resistance of multi-wall carbon nanotube networks	Article	4	11		1889
2011	Compressive stress-electrical conductivity characteristics of multiwall carbon nanotube networks	Article	16	29		604
2011	Multi-wall carbon nanotube networks as potential resistive gas sensors for organic vapor detection	Article	37	63		472

PlumX – autor



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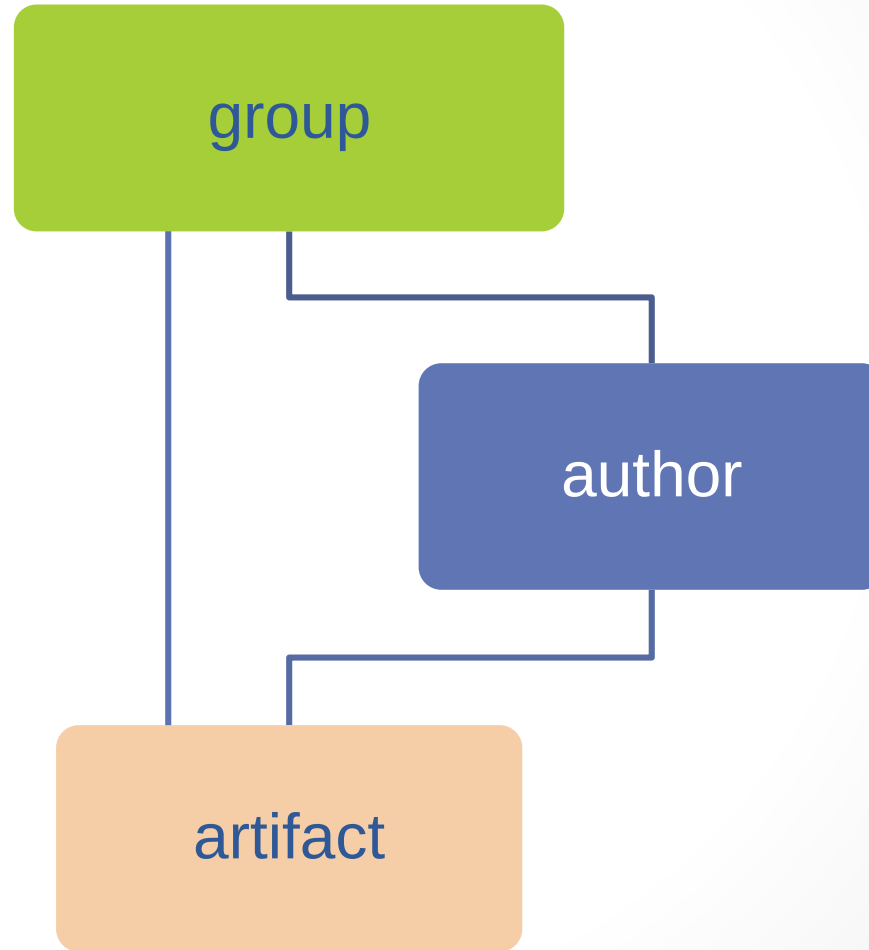
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Year ▾	Title	Type	All			
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2015	Communication In English - A Must For A Phd Student	Conference Paper				36
2015	From The Beginner To The Mentor	Conference Paper				82
2013	A Pressure Sensing Conductive Polymer Composite with Carbon Nanotubes for Biomechanical Applications	Article	1			110
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2011	Compressive stress-electrical conductivity characteristics of multiwall carbon nanotube networks	Article	16	29		604
2011	Multi-wall carbon nanotube networks as potential resistive gas sensors for organic vapor detection	Article	37	63		472

correct model



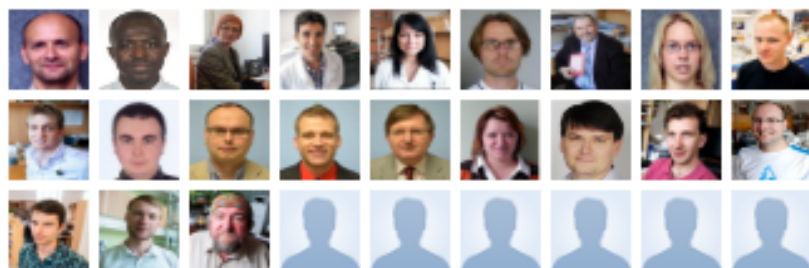
widget - group



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Researchers



Artifact Summary

Article: 2632	Other: 42
Conference Paper: 1819	Research Artifact: 4
Book Chapter: 562	Abstract: 3
Book: 191	Paper: 2
Patent: 169	Lecture / Presentation: 2
Code / Software: 141	Poster: 1
Review: 45	Thesis / Dissertation: 1

Recent Artifacts

- Properties of spreadable processed Mozzarella cheese with divergent compositions of emulsifying salts in relation to the applied cheese storage period
- Contribution of individual phenolics to antioxidant activity and in vitro digestibility of wild rices (*Zizania aquatica* L.).
- Analysis and selection of a regression model for the Use Case Points method using a stepwise approach
- The effect of selected processing parameters on viscoelastic properties of model processed cheese spreads
- Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles

[see details](#)

widget - author



Petr Humpolíček

doc. Ing. Petr Humpolíček, Ph.D.

Artifact Summary

-  Article: 53
-  Patent: 5
-  Book Chapter: 1
-  Conference Paper: 1

Recent Artifacts

- ✱ **Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles**
- ✱ **On the cytotoxicity of poly(4-aminodiphenylaniline) powders: Effect of acid dopant type and sample posttreatment**
- ✱ **A novel multistep method for chondroitin sulphate immobilization and its interaction with fibroblast cells.**
- ✱ **Developing a biomaterial interface based on poly(lactic acid) via plasma-assisted covalent anchorage of d-glucosamine and its potential for tissue regeneration.**
Adhesion, Proliferation and Migration of NIH/3T3 Cells on Modified Polyaniline Surfaces.

[see details](#)

widget - artifact

Abstract: gaseous oxygen plasma sterilization were used. Three different nanotube diameters; 15 nm, 50 nm and 100 nm were employed to study the effects of various sterilization techniques. It was observed that autoclave sterilization resulted in destruction of nanotubular features on all three studied nanotube diameters, while UV-light and both kinds of plasma sterilization did not cause any significant morphological changes on the surfaces. Differences between the sterilization techniques employed influenced cytocompatibility, especially in the case of nanotubes with 100 nm diameter. © 2016 Elsevier B.V.

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Bitly - Clicks: 6 DSpace - Abstract Views: 59 DSpace - Downloads: 1 EBSCO - Abstract Views: 222 EBSCO - Link-outs: 3	EBSCO - Exports-Saves: 3 Mendeley - Readers: 11	Facebook - Shares, Likes & Comments: 5 Google+ - +1s: 1 Twitter - www.sciencedirect.com: 2	Scopus - Citation Indexes: 2



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Name: Fulltext_1006232.pdf
Size: 1.823Mb
Format: PDF
Description: fulltext

<http://publikace.k.utb.cz/handle/10563/1006232>

PlumX – connection with the IR

- DOI, handle
- statistics from DSpace
 - abstract views
 - downloads



Usage

DSpace - Abstract Views: 213

DSpace - Downloads: 39

EBSCO - Abstract Views: 338

EBSCO - PDF Views: 8

EBSCO - HTML Views: 6

Captures

EBSCO - Exports

Mendeley - Reads



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 - Manually via the web interface
 - Or automatically via the API
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 - via their handle.net ID
 - or via DOI

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 - ResearcherID
 - ORCID
- corrections in Scopus, WoS
- author profiles



ResearcherID

- solid vendor support
- good institutional features
 - batch registration of users
- list of author's publications
 - import only from WoS or from .ris files
- we've been using since 2011 – no new development since
- Thomson Reuters is a founding member of ORCID (2009)

RESEARCHERID



THOMSON REUTERS

ORCID

- We're currently recommending ORCID IDs
- Focus on being maintained by the researcher, not on their behalf
- Ease of use
 - Quick registration form
 - Login via Shibboleth (no new password to remember)
 - Tutorials, documentation, training
 - Translated ORCID website into Czech
- We offer to maintain their publication lists (import via API – member feature)
- ORCID IDs will be required for TBU authors
- May be required for all Czech researchers in the future

ORCID

Our use of author IDs

- groups of users
 - all authors (teaching faculty and students)
 - all employees
- you'll never reach a point where all authors have a single type of identifier
 - ORCID, ResearcherID, Scopus Author ID
 - Czech national authority record
 - Internal employee number
- for the purpose of repository and author profiles we use a separate internal identifier (without any external meaning); other identifiers are bound to this one



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Corrections in Scopus a WoS

- why do we care?
- typical errors
 - mojibake / garbled characters with accents
 - switched name / surname
 - affiliation
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 - "Request author detail corrections" on the author page
- WoS
 - no author page in WoS, but there are InCites Author Profiles
 - "Suggest a correction" on the article page

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Sáha, Petr

Univerzita Tomase Bati ve Zline, Zlin, Czech Republic

Author ID: 7203029477

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Documents: 330

Citations: total citations by 3122 documents

h-index: 37

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Subject area: Materials Science, Chemistry [View More](#)

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Synthesis and Antibacterial Activity of Some Heterocyclic Chalcone Analogues Alone and in Combination with Antibiotics

By: Tran, TD (Thanh-Dao Tran)^[1]; Nguyen, TTN (Thi-Thao-Nhu Nguyen)^[1]; Do, TH (Tuong-Ha Do)^[2]; Huynh, TNP (Thi-Ngoc-Phuong Huynh)^[1]; Tran, CD (Cat-Dong Tran)^[3]; Thai, KM (Khac-Minh Thai)^[1]

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MOLECULES

Volume: 17 Issue: 6 Pages: 6684-6696

DOI: 10.3390/molecules17066684

Published: JUN 2012

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Abstract

A series of simple heterocyclic chalcone analogues have been synthesized by Claisen Schmidt condensation reactions between substituted benzaldehydes and heteroaryl methyl ketones and evaluated for their antibacterial activity. The structures of the synthesized chalcones were established by IR and H-1-NMR analysis. The biological data shows that compounds p(5), f(6) and t(5) had strong activities against both susceptible and resistant Staphylococcus aureus strains, but not activity against a vancomycin and methicillin resistant Staphylococcus aureus isolated from a human sample. The structure and activity relationships confirmed that compounds f(5), f(6) and t(5) are potential candidates for future drug discovery and development.

Keywords

Author Keywords: chalcone; heterocyclic chalcone analogues; synthesis; antibacterial; synergistic activity; antibiotics combination; MRSA

KeyWords Plus: RESISTANT STAPHYLOCOCCUS-AUREUS; METHICILLIN-RESISTANT; ANTIOXIDATIVE ACTIVITY; PRENYLATED CHALCONES; DERIVATIVES; CYTOTOXICITY; SUSCEPTIBILITY; FLAVONOIDS

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Authors

Surname	Name	pub	wok	scopus						
Adamcová	Gabriela	1	1	1						
Adámek	Milan	136	40	114						
Adamík	Zdeněk	3	2	3						
Afful-Dadzie	Eric	23	20	22						
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Voltage-controlled amplifier	2
Camera	2
TCP/IP protocol	2
VCA design	2

Co-authors from UTB

TBU coauthor	count
Pospíšilík, Martin	48
Neumann, Petr	29
Matýšek, Miroslav	22
Lapková, Dora	17
Valouch, Jan	9

Source title

source title	count
International Journal of Circuits, Systems and Signal Processing	13
Recent Researches in Automatic Control - 13th WSEAS International Conference on Automatic Control	9

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+		2017	SAR evaluation of wireless antenna on implanted cardiac pacemaker	en			
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+		2016	Software for CCTV systems design	en			
+		2016	Maple algorithm for damping quality of anechoic chambers evaluation	en			

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AUBI / A4ACT	Analogová a číslicová technika		✓	✓			
AUBI / A3ACI	Analogová a číslicová technika	✓		✓			
AUBI / A5ACT	Analogová a číslicová technika	✓		✓	✓	✓	
AUBI / AXACT	Analogová a číslicová technika	✓		✓			
AUBI / AXACI	Analogová a číslicová technika	✓		✓			
AUBI / AYBPB	Bachelor thesis		✓	✓			
AUBI / A6BPB	Bachelor thesis		✓	✓			
AUBI / ABKAS	Camera Systems	✓		✓	✓		
AUBI / A9KAS	Camera Systems	✓		✓	✓		
AUBI / A2ELO	Electrical Circuits		✓	✓	✓	✓	✓
AUBI / A8EZP	Electronic Security and Access Systems		✓				
AUBI / AAEZP	Electronic Security and Access Systems		✓	✓			
AUBI / AEEPE	Electrotechnics and industrial electronics	✓	✓	✓	✓	✓	✓

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Theses (after defense)

Issued ▼	Author ◆	Title ◆	Type ◆	Role ◆
2017	Tomšů, Miroslav	Webové stránky pro vybranou společnost	bakalářská	advisor
2017	Ponížil, Jiří	Analýza pojistných podmínek pro pojištění hospodářských rizik	bakalářská	advisor
2017	Kubáň, Michal	Identifikace osob využívající bipedální lokomoci	diplomová	advisor
2017	MLčoch, Martin	Elektroakustické detektory v zabezpečovací technice	bakalářská	advisor
2017	Vlachynský, Jan	Softwarové nástroje pro návrh kamerového systému	bakalářská	advisor
2017	Srnský, Pavel	Možnosti využití dronů v oblasti 3D modelování objektů	diplomová	advisor
2017	Rozkošný, Tomáš	Zabezpečení osobních automobilů	diplomová	advisor
2017	Španko, Adrián	Metódy rozpoznávania objektov v obraze	diplomová	advisor
2017	Čeřovský, David	Využití dronů v praxi v rámci IZS	diplomová	advisor
2017	Koňařík, Michal	Komparace návrhu poplachového zabezpečovacího systému z hlediska způsobu propojení komponent	bakalářská	advisor
2017	Majzlík, David	Návrh zabezpečení rodinného domu	bakalářská	advisor
2016	Homola, Stanislav	Návrh zabezpečení společnosti XYZ s.r.o.	bakalářská	advisor
2016	Valovič, Róbert	Návrh kamerového systému určeného pro monitorování zvířat	diplomová	advisor
2016	Krajča, Martin	Zabezpečení bezobslužných čerpacích stanic	diplomová	advisor
2016	Štroblík, Petr	Návrh kamerového systému pro sportovní stadion	diplomová	advisor
2016	Helbich, Julius	Modernizace zabezpečovacího systému pro vybraný výrobní podnik	bakalářská	advisor
2016	Cepek, Alois	Bezpečnostní analýza Centra polymerních systémů Univerzity Tomáše Bati ve Zlíně	bakalářská	advisor
2016	Havíř, Tomáš	Software pro návrh kamerových systémů	diplomová	advisor
2016	Rössner, Jan	Anonymita ve světě bezpečnostních technologií	bakalářská	advisor

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