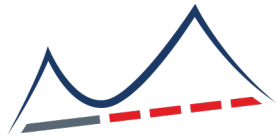

BRIDGE OF KNOWLEDGE

your knowledge portal

Challenges of ORD storage and computing

Paweł Lubomski, Michał Nowacki

EOSC Festival – the National Tripartite Event Poland

October 25, 2022

GDAŃSK UNIVERSITY OF TECHNOLOGY

IT SERVICES CENTRE
GDAŃSK UNIVERSITY OF TECHNOLOGY

Bridge of Knowledge portal

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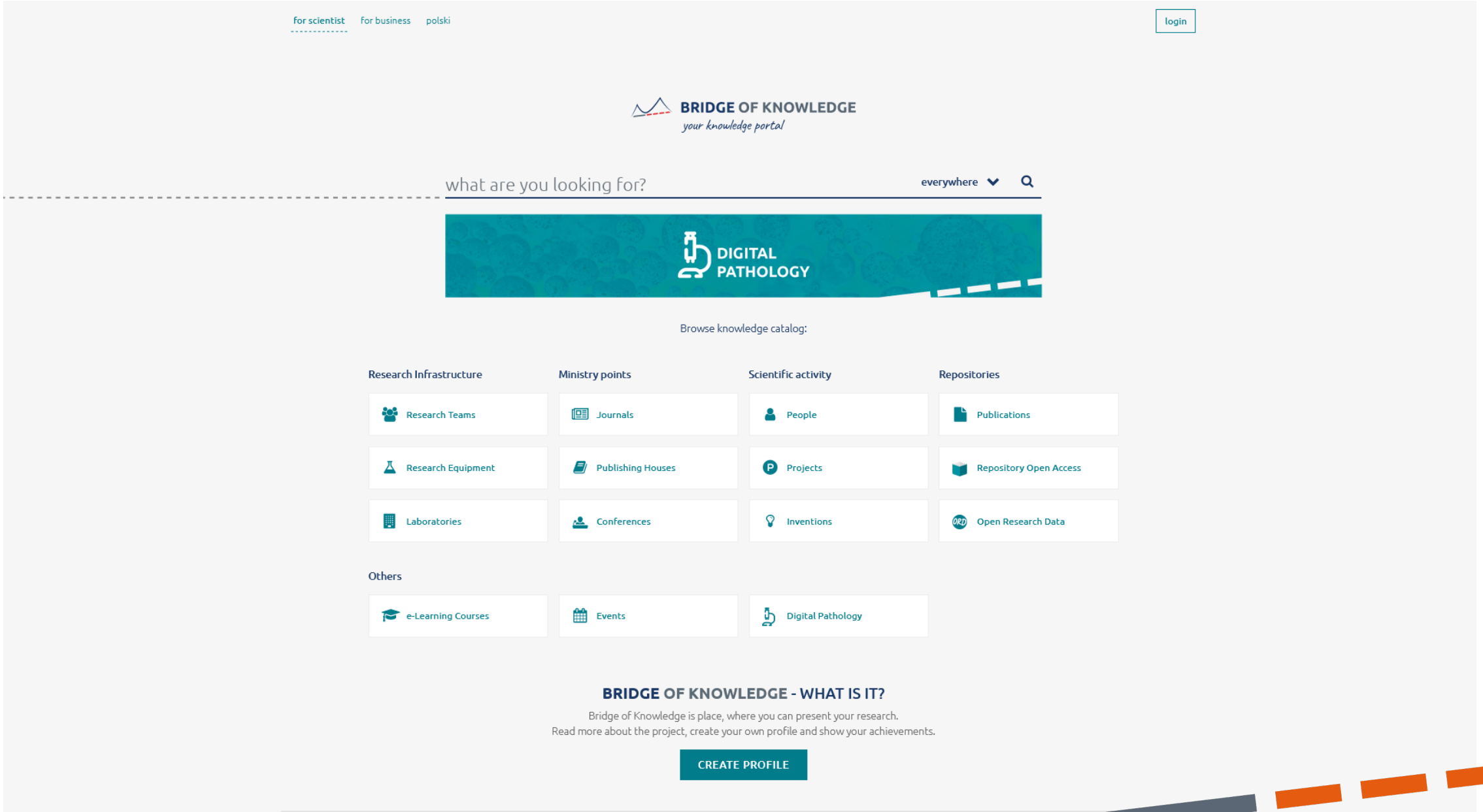

Researcher profile

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for scientist for business polski login

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Main Page > People > B > Tomasz Maria Boiński > Profile

dr inż. Tomasz Maria Boiński

Employment

Adiunkt at Department of Computer Architecture
Deputy Head of Department at Department of Computer Architecture

Research fields

Crowdsourcing | Games With A Purpose | Heuristic Results Verification | Mappings Creation And Verification

Profile | Biographical note | Publications (43) | Achievements (4) | Organizations (5) | Teaching (176) | Research data (66)

Social media

Github
Google Scholar
Research Gate
Orcid

Contact

E-mail

Publication showcase

Active Learning Based on Crowdsourced Data
T. M. Boiński (formerly: T. Boiński), J. Szymański, A. Krauzewicz - *Applied Sciences-Basel* - 2022
The paper proposes a crowdsourcing-based approach for annotated data acquisition and means to support Active Learning training approach. In the proposed solution, aimed at data engineers, the knowledge of the crowd serves as an oracle that is able to judge whether the given sample is informative or not. The proposed solution reduces the amount of work needed to annotate large sets of data. Furthermore, it allows a perpetual increase...
Full text available

Optimization of Data Assignment for Parallel Processing in a Hybrid Heterogeneous Environment Using Integer Linear Programming
T. M. Boiński (formerly: T. Boiński), P. Czarnul - *COMPUTER JOURNAL* - 2021
In the paper we investigate a practical approach to application of integer linear programming for optimization of data assignment to compute units in a multi-level heterogeneous environment with various compute devices, including CPUs, GPUs and Intel Xeon Phis. The model considers an application that processes a large number of data chunks in parallel on various compute units and takes into account computations, communication including...
Full text available

Researcher profile

BRIDGE OF KNOWLEDGE

Main Page > People > S > Jakub Szulwic > Profile

dr inż. Jakub Szulwic

Employment

Adiunkt at Department of Geodesy
Prodziekan ds. badań i rozwoju at Faculty of Civil and Environmental Engineering

Research fields

Geodesy | Photogrammetry | Remote Sensing | Lidar | Terrestrial Laser Scanning | Geoscience | Civil Engineering | Geoinformatics | Geomatics

Profile | Biographical note | Publications (105) | Achievements (9) | Organizations (39) | Projects (2) | Teaching (293) | Research Infrastructure (4) | Reviews | Research data (4)

Social media

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Research Gate
Mendeley
Orcid
Scopus
ResearcherID
PG

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E-mail

Publication showcase

MARITIME LASER SCANNING AS THE SOURCE FOR SPATIAL DATA

P. Burdziakowski, A. Janowski, A. Kholodkov, K. Matysik, M. Matysik, M. Przyborski, J. Szulwic, P. Tysiąc, A. Wojtowicz - *Polish Maritime Resear*

The rapid development of scanning technology, especially mobile scanning, gives the possibility to collect spatial data co platforms and autonomous manned or unmanned vehicles. Presented solution is derived from the mobile scanning. How the specificity of laser scanning at sea and processing collected data should be in the form acceptable in Geographical In

Full text available

Remote sensing and photogrammetry techniques in diagnostics of concrete structures

A. Janowski, K. Nagrodzka-Godycka, J. Szulwic, P. Ziółkowski - *Computers and Concrete* - 2016

Recently laser scanning technologies become widely used in many areas of the modern economy. In the following paper spectrum of use Terrestrial Laser Scanning (TLS) in diagnostics of reinforced concrete elements. Based on modes of failu concrete beam authors describe downsides and advantages of adaptation of terrestrial laser scanning to this purpose, m

Full text in external service

Mobile indicators in GIS and GPS positioning accuracy in cities

A. Janowski, A. Nowak, M. Przyborski, J. Szulwic - 2014

The publication describes the possible use of tele-geoprocessing as a synergy of modern IT solutions, telecommunicatior presents a possibility of urban traffic monitoring with the use of mobile GIS indicators of dedicated monitoring system d system is based on a stationary and mobile software package. The optimal and minimal assumptions for the monitoring

Full text in external service

Remote sensing and photogrammetry techniques in diagnostics of concrete structures

Abstrakt

Recently laser scanning technologies become widely used in many areas of the modern economy. In the following paper authors show a potential spectrum of use Terrestrial Laser Scanning (TLS) in diagnostics of reinforced concrete elements. Based on modes of failure analysis of reinforcement concrete beam authors describe downsides and advantages of adaptation of terrestrial laser scanning to this purpose, moreover reveal under which condition this technology might be used. Research studies were conducted by Faculty of Civil and Environmental Engineering at Gdansk University of Technology. An experiment involved bending of reinforced concrete beam, the process was registered by the terrestrial laser scanner. Reinforced concrete beam was deliberately overloaded and eventually failed by shear.Whole failure process was tracing and recording by scanner Leica ScanStation C10 and verified by synchronous photographic registration supported by digital photogrammetry methods. Obtained data were post-processed in Leica Cyclone (dedicated software) and MeshLab (program on GPL license). The main goal of this paper is to prove the effectiveness of TLS in diagnostics of reinforced concrete elements. Authors propose few methods and procedures to virtually reconstruct failure process, measure geometry and assess a condition of structure.

Autorzy (4)

Artur Janowski dr hab. inż.
Katedra Geodezji
Wydział Inżynierii Lądowej i Środowiska
Politechnika Gdańska

Krystyna Nagrodzka-Godycka prof. dr hab. inż.
Katedra Konstrukcji Betonowych
Wydział Inżynierii Lądowej i Środowiska
Politechnika Gdańska

Jakub Szulwic dr inż.
Katedra Geodezji
Wydział Inżynierii Lądowej i Środowiska
Politechnika Gdańska

Patryk Ziółkowski dr inż.
Katedra Konstrukcji Betonowych
Wydział Inżynierii Lądowej i Środowiska
Politechnika Gdańska

Cytowania

33 CrossRef | 48 Web of Science | 48 Scopus

Cytuj jako

American Psychological Association 6th edition

lub wyeksportuj w jednym z formatów: BibTeX

Janowski, Artur, Nagrodzka-Godycka, Krystyna, Szulwic, Jakub, Ziółkowski, Patryk. (2016). Remote sensing and photogrammetry techniques in diagnostics of concrete structures. *Computers And Concrete*, *18*(3), 405-420. https://doi.org/10.12989/cac.2016.18.3.405

kopiuj

Słowa kluczowe

BEAM | CRACKS | DEFORMATION MEASUREMENT | MODES OF FAILURE | TERRESTRIAL LASER SCANNING

Pełna treść

pełna treść publikacji nie jest dostępna w portalu

- zobacz w serwisie zewnętrznym
- wyślij prośbę o udostępnienie publikacji

Flexible platform

BRIDGE OF KNOWLEDGE

prof. dr hab. inż. arch. Jakub Szczepański

Zatrudnienie

Prodziekan ds. nauki w Wydział Architektury
Profesor w Katedra Historii, Teorii Architektury i Konserwacji Zabytków

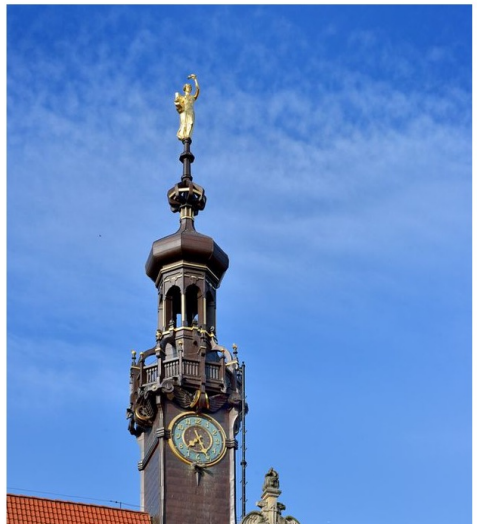
Obszary badawcze

Architektura I Urbanistyka | Konserwacja Zabytków

Profil | Biogram | Publikacje (44) | Osiągnięcia (6) | Organizacje (2) | Projekty (1) | Dydaktyka (137) | Infrastruktura badawcza (3) | Dane badawcze (2) | Projekty studenckie | Prace doktorskie | **Osiągnięcia zawodowe i artystyczne**

Osiągnięcia zawodowe i artystyczne

PROJEKTY ARCHITEKTONICZNE



Magdalena Szuflita-Żurawska

Zatrudnienie

Starszy bibliotekarz w Sekcja Informacji Naukowo-Technicznej
Kierownik Sekcji Inf. Nauk-Tech Biblioteki PG w Biblioteka PG

Obszary badawcze

Open Access | Open Data | Bibliomet | Informacja Naukowa | Komunikacja Nauko | Produktywność Naukowa | Motywacja

Profil | Biogram | Organizacje (7) | Projekty (4) | Dydaktyka (56) | Publikacje (7) | Osiągnięcia (4) | **Scientific posters** | Prezentacje | Dane badawcze (42)

Scientific posters

Magdalena Szuflita-Żurawska, Anna Wałek

Open Science Competence Center at the Gdansk University of Technology Library in numbers

International FAIR Convergence Symposium

November 27 - December 04, 2020

Summary: Bridge of Data project at Gdańsk University of Technology (GUT) was established to support researchers in their activities regarding different layers of Open Science. The project is unique in this part of Central and Eastern Europe. It involves three Pomeranian universities: Gdańsk University of Technology (leader), University of Gdańsk, and Gdańsk Medical University.

Open Science Competence Center is the separate contact point that offers help and supporting services for "sharing" research culture. The Center provides various training, consultancies, and other events promoting the idea of opening science and try to popularize its benefits such as broader collaboration, increasing usage and citations, faster impact, or greater public engagement.

Our Center in numbers (from the end of 2018)

- Number of workshops - 42
- Number of online training - 15
- Number of face to face consultations - 107
- Number of verified datasets - 420
- Data Management Plans from a wide range of scientific disciplines (e.g. chemistry, engineering, electronics, architecture or economics) – about 200 from August 2019 to October 2020

dr Krzysztof Olszewski

Zatrudnienie

Adiunkt ze stop. nauk. doktora w Uniwersytet Śląski
Adiunkt w Uniwersytet Śląski, Wydział Humanistyczny

Obszary badawcze

Glottodydaktyka | Język Japoński | Literatura Japońska | Literaturoznawstwo | Językoznawstwo | Stylistyka | Stylometria | Poezja Japońska | Poezja Waka | Ki No Tsurayuki

Profil | Publikacje (21) | Osiągnięcia (4) | Organizacje (5) | Projekty (2) | Konferencje | Popularyzacja nauki | Szkolenia | **Tłumaczenia**

Tłumaczenia

Poniżej prezentuję opublikowane tłumaczenia z literatury japońskiej (przede wszystkim klasycznej).

1. Ki no Tsurayuki, *Pamiętnik z Tosy*, (tłum. i red.) Krzysztof Olszewski, [w:] Krzysztof Olszewski, *Ki no Tsurayuki a poszukiwanie tożsamości kulturowej w literaturze japońskiej X wieku*, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2003, str. 115-144. DOI: 10.6084/m9.figshare.7471406.v3
2. Ki-no Tsurayuki, *Wstęp do Kokinshū*, (tłum. i red.) Krzysztof Olszewski, [w:] Krzysztof Olszewski, *Ki no Tsurayuki a poszukiwanie tożsamości kulturowej w literaturze japońskiej X wieku*, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2003, str. 95-110. DOI: 10.6084/m9.figshare.13550432.v1
3. Ki-no Tsurayuki, *Przedmowa do wierszy [komponowanych] z okazji wyprawy Jego Cesarskiej Wysokości nad rzekę Ōi*, (tłum. i red.) Krzysztof Olszewski, [w:] Krzysztof Olszewski, *Ki no Tsurayuki a poszukiwanie tożsamości kulturowej w literaturze japońskiej X wieku*, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2003, str. 111-112. DOI: 10.6084/m9.figshare.13592144.v1
4. Ki-no Tsurayuki, *Przedmowa do antologii "Shinsen waka"*, (tłum. i red.) Krzysztof Olszewski, [w:] Krzysztof Olszewski, *Ki no Tsurayuki a poszukiwanie tożsamości kulturowej w literaturze japońskiej X wieku*, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2003, str. 113-114. DOI: 10.6084/m9.figshare.13591559.v1

Open Access repository

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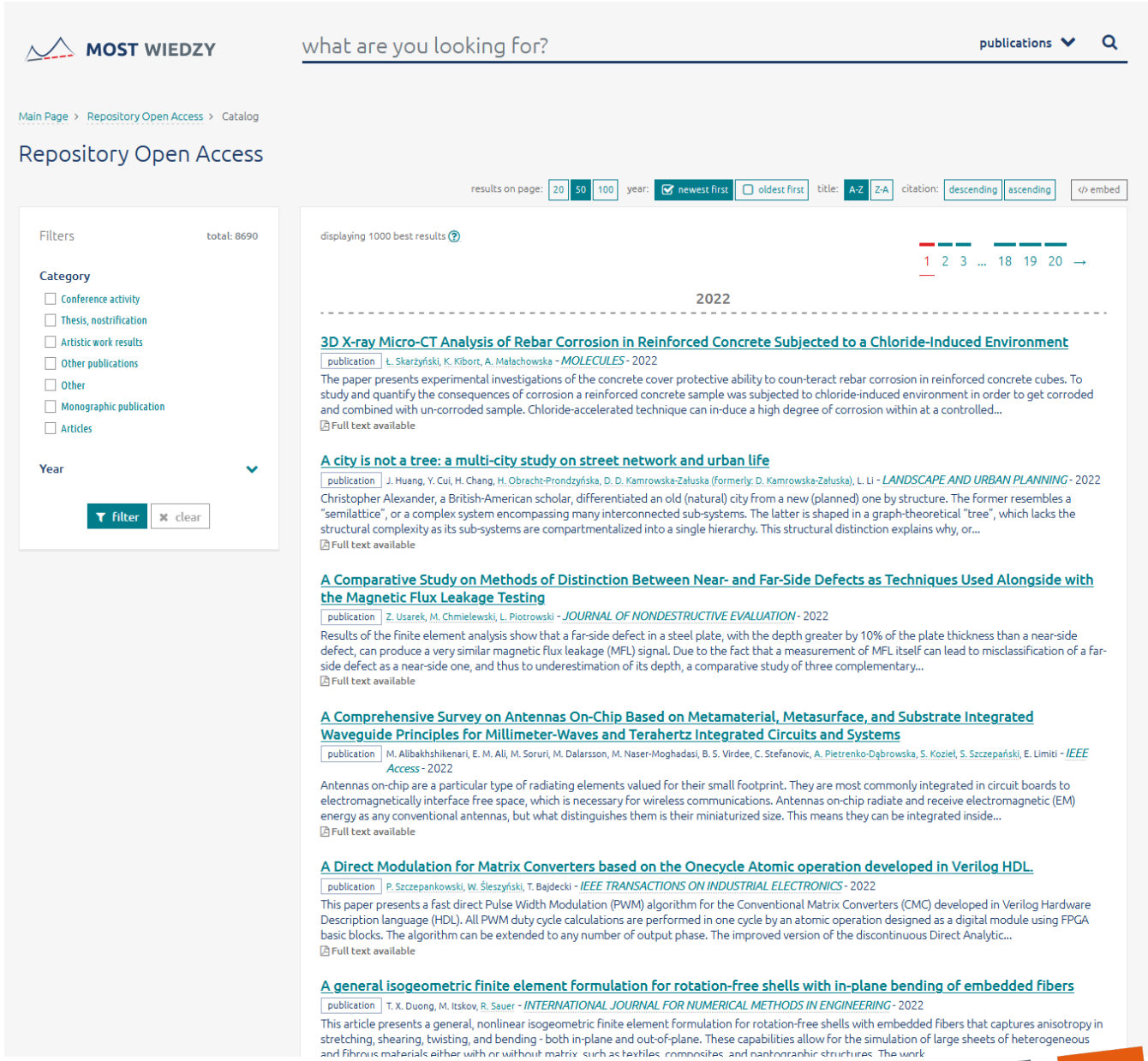

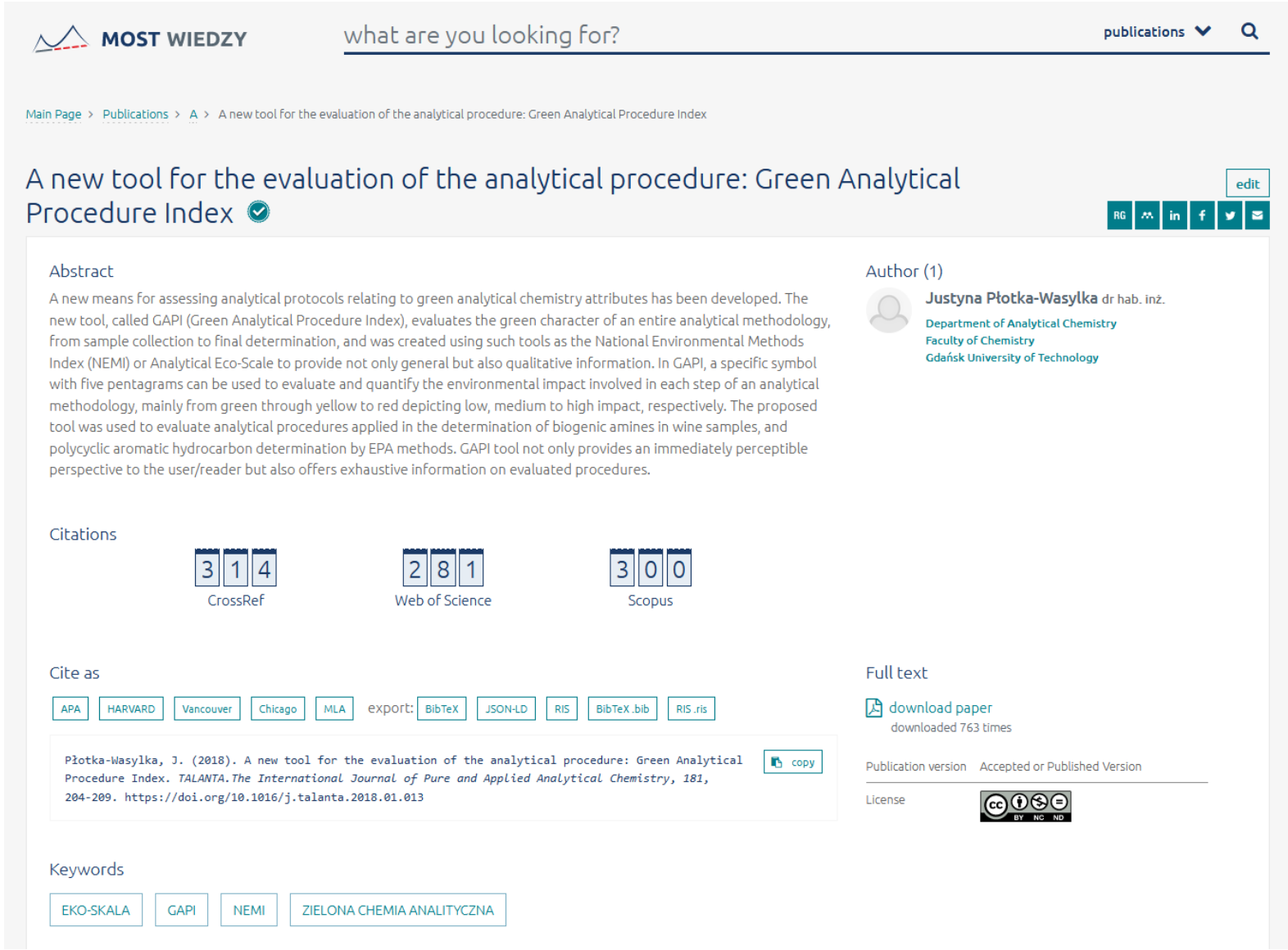

MOST WIEDZY what are you looking for? publications

Main Page > Publications > A > A new tool for the evaluation of the analytical procedure: Green Analytical Procedure Index

A new tool for the evaluation of the analytical procedure: Green Analytical Procedure Index

edit

Abstract

A new means for assessing analytical protocols relating to green analytical chemistry attributes has been developed. The new tool, called GAPI (Green Analytical Procedure Index), evaluates the green character of an entire analytical methodology, from sample collection to final determination, and was created using such tools as the National Environmental Methods Index (NEMI) or Analytical Eco-Scale to provide not only general but also qualitative information. In GAPI, a specific symbol with five pentagrams can be used to evaluate and quantify the environmental impact involved in each step of an analytical methodology, mainly from green through yellow to red depicting low, medium to high impact, respectively. The proposed tool was used to evaluate analytical procedures applied in the determination of biogenic amines in wine samples, and polycyclic aromatic hydrocarbon determination by EPA methods. GAPI tool not only provides an immediately perceptible perspective to the user/reader but also offers exhaustive information on evaluated procedures.

Author (1)

Justyna Płotka-Wasylka dr hab. inż.

Department of Analytical Chemistry
Faculty of Chemistry
Gdańsk University of Technology

Citations

314	281	300
CrossRef	Web of Science	Scopus

Cite as

APA HARVARD Vancouver Chicago MLA export: BibTeX JSON-LD RIS BibTeX .bib RIS .ris

Płotka-Wasylka, J. (2018). A new tool for the evaluation of the analytical procedure: Green Analytical Procedure Index. *TALANTA.The International Journal of Pure and Applied Analytical Chemistry, 181*, 204-209. https://doi.org/10.1016/j.talanta.2018.01.013 copy

Full text

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Keywords

EKO-SKALA GAPI NEMI ZIELONA CHEMIA ANALITYCZNA

Magazine catalog, points, publishing policies

BRIDGE OF KNOWLEDGE

Polish Maritime Research

ISSN:	**1233-2585**	eISSN:	**2083-7429**
Website:	**https://journal.mostwiedzy.pl/pmr/** **https://content.sciendo.com/view/journals/pomr/pomr-overview.xml**		
Publisher:	**Politechnika Gdańska , Walter de Gruyter (Sciendo)**		
Disciplines (Field of Science):	**Automation, electronic and electrical engineering** (Engineering and Technology) **Civil engineering and transport** (Engineering and Technology) **Mechanical engineering** (Engineering and Technology) **Environmental engineering, mining and energy** (Engineering and Technology)		

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Ministry points:	**2022**	**100**	**Ministry Scored Journals List 2019**	expand
Model:	**Open Access**			
Points CiteScore:	**2021**	**2.6**		expand
Impact Factor:	**2021**	**1.873**		expand
Publishing policy:	**License: CC BY 4.0**			expand

Papers published in journal

results on page: 20 50 100 year: newest first oldest first title: A-Z Z-A citation: descending ascending

Filters total: 408

Category

- Conference activity
- Articles

Year

1 2 3 ... 7 8 9 →

2022

50' Sail Catamaran with Hybrid Propulsion, Design, Theoretical and Experimental Studies

publication W. Litwin, D. Piątek, W. Leśniewski, K. M. Marszałkowski (formerly: K. Marszałkowski) - *Polish Maritime Research* - 2022

The development of modern lithium batteries and propulsion systems now allows the use of complex propulsion systems for vessels of various sizes. As

Journals and events

BRIDGE OF KNOWLEDGE

Polish Maritime Research

View Journal Current Issue

POLISH MARITIME RESEARCH is a scientific journal with a worldwide circulation. This journal is published quarterly (four times a year) by Gdansk University of Technology (Gdańsk Tech). On September 1994, the first issue of POLISH MARITIME RESEARCH was published.

The main objective of this journal is to present original research, innovative scientific ideas, and significant findings and applications in the field Architecture, Ocean Engineering and Underwater Technology.

Research on Enterprise in Modern Economy theory and practice

View Journal Current Issue

Research on Enterprise in Modern Economy - theory and practice (REME)/Przedsiębiorstwo we współczesnej gospodarce - teoria i praktyk reviewed multi-disciplinary semi-annual journal devoted to the advancement of study on enterprises. The journal is published by Gdansk Univers Technology.

The mission of the journal is to contribute to the development of knowledge and new ideas by creating opportunities to present scientific findi exchange ideas. We await for publications of a theoretical and empirical nature, which concern various aspects of the functioning of enterprises

The journal "**Research on Enterprise in Modern Economy - theory and practice**" is on the Ministry list of scientific journals and reviewed mate international conferences with **20** points.

TASK Quarterly

View Journal Current Issue

TASK Quarterly journal is presenting articles concerning usage of information technologies to solve important problems in science and engine applications of high computing power infrastructure and artificial intelligence methods in various types of research and development projects.

European Funds Digital Poland | Republic of Poland | MOST DANYCH | European Union European Regional Development Fund

BRIDGE OF JOURNALS

BRIDGE OF EVENTS

Seminarium MOST DANYCH - jak skutecznie motywować naukowców do udostępniania danych badawczych w Otwartym Dostępie? Spotkanie grupy roboczej DSCC-IN PL.

30 maj 2022, 11:30 → 31 maj 2022, 14:00 Europe/Warsaw

Hotel Eureka (Sopot)

Opis Celem Seminarium jest wymiana doświadczeń oraz informacji na temat dobrych praktyk w zakresie motywowania naukowców do udostępniana danych badawczych w otwartym dostępie oraz popularyzowania dorobku naukowego.

Seminarium kierowane jest do osób, które pełnią rolę Data Stewardów na swoich uczelniach (bibliotekarzy, pracowników działów nauki, naukowców) lub koordynują proces przygotowywania i realizacji polityki otwartego dostępu w macierzystych instytucjach.

Seminarium organizowane jest w ramach projektu „MOST DANYCH – Multidyscyplinarny Otwarty System Transferu Wiedzy – etap II: Open Research Data", współfinansowanego z Europejskiego Funduszu Rozwoju Regionalnego w ramach Programu Operacyjnego Polska Cyfrowa na lata 2014-2020.

Fundusze Europejskie Polska Cyfrowa | Rzeczpospolita Polska | MOST DANYCH | Unia Europejska Europejski Fundusz Rozwoju Regionalnego

Kontakt pkos@pg.edu.pl

11:30 → 12:00	Rejestracja Uczestników	30min
12:00 → 12:15	Powitanie Uczestników i otwarcie Seminarium	15min

dr Anna Wałek, Dyrektor Biblioteki Politechniki Gdańskiej
dr inż. Paweł Lubomski, Dyrektor Centrum Usług Informatycznych PG

12:15 → 17:00 Seminarium MOST DANYCH

12:15	**Keynote**	45min
	Prelegent: Dr Erik Schultes (GO FAIR International Science Coordinator, Lead FAIR Implementation at the GO FAIR Foundation and a member of the Leiden Center for Data Science)	
13:00	**Otwarte dane badawcze w polityce NCN**	45min
	Prelegent: Dr Aneta Pazik-Aybar (Narodowe Centrum Nauki)	
13:45	**Lunch**	1h
14:45	**MOST Wiedzy jako kompleksowe narzędzie popularyzacji nauki**	20min
	Prelegent: Michał Nowacki (Z-ca Dyrektora ds. Rozwoju Systemów Informatycznych Centrum Usług Informatycznych Politechniki Gdańskiej)	
15:05	**Zakodowane szanse. Odkrywanie otwartych monografii za pomocą danych**	20min
	Prelegent: Natalia Wysmyk (Biblioteka Politechniki Gdańskiej)	
15:25	**Przerwa kawo**	20min

ORD repository

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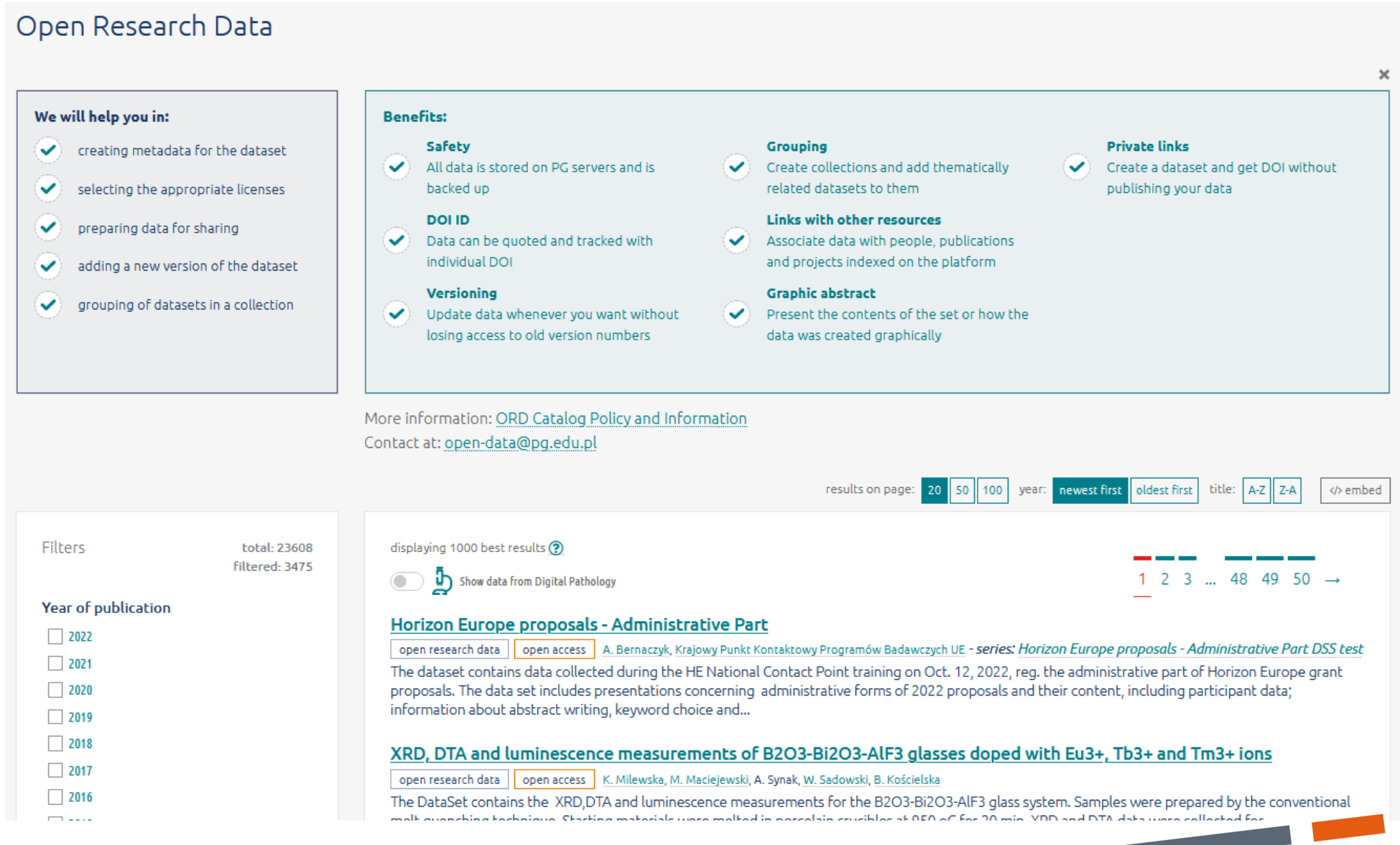


Citation

BRIDGE OF KNOWLEDGE

Tagged images with LEGO bricks - Plates

wersja 1.2

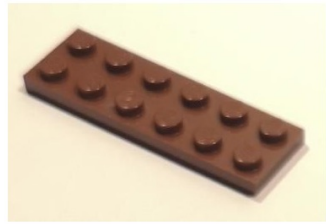
Opis

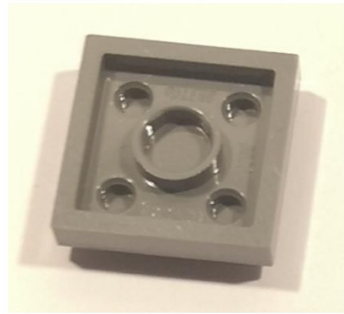
The set contains images of LEGO bricks (from Plates category). The images were prepared for training neural network for recognition and labeling of LEGO bricks. The images contain one brick each. The images were taken from different sides by handheld camera hovering over the bricks lying on a white, non reflective surface.

The images were extracted from photos taken using Huawei p20 Pro camera (2160x3840 resolution, JPEG file format). The bricks were illuminated using two top-down facing 1600lm, 4000K LED lamps. The shutter speed and ISO were set to 1/100 and 50 respectively (to match the lamps frequency). Each file is limited to a bounding box as detected using LegoSorter app (https://github.com/legosorter). The bounding boxes were created using YOLO trained neural network designated to detect (but not differentiate) LEGO bricks.

The bricks have random colors. The photos are organized using official LEGO part numbers, photos of each brick located in a folder named after the part number.

Sample images are presented below.





Autorzy

Tomasz Maria Boiński dr inż.
Katedra Architektury Systemów Komputerowych
0000-0001-5928-5782
Twórca

Wersja

✔ wersja 1.2 10.34808/fva4-j679	2021-12-01
wersja 1.1 10.34808/bq3g-ze25	2021-12-01
wersja 1.0 10.34808/jdhr-jk67	2021-04-28

DOI 10.34808/21ns-zq48 reprezentuje ostatnią wersję danych.

Plik z danymi badawczymi

Plates.zip
193.3 MB, S3 ETag 27f32676813b5a98ecfcd118b4d9fcdf-1, pobrań: 2

pobierz | podgląd zawartości

Informacje szczegółowe o pliku

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Informacje szczegółowe

Rok publikacji:	2021
Data zatwierdzenia:	2021-12-01
Język danych badawczych:	angielski
Dyscypliny:	**Informatyka techniczna i telekomunikacja** (Dziedzina nauk i technicznych) **Informatyka** (Dziedzina nauk ścisłych i przyrodniczych)
DOI:	10.34808/fva4-j679
Seria:	• LEGO
Weryfikacja:	Politechnika Gdańska

Słowa kluczowe

LEGO | images | training set

Cite as

APA | HARVARD | Vancouver | Chicago | MLA | export: BibTeX | JSON-LD | RIS | DataCite

```
Blajer-Gołębiewska, A. (2021). Individual corporate reputation, perception of collective
corporate reputation, stock market investments [Data set]. Gdańsk University of Technology.
https://doi.org/10.34808/kqay-2s61
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Data versioning

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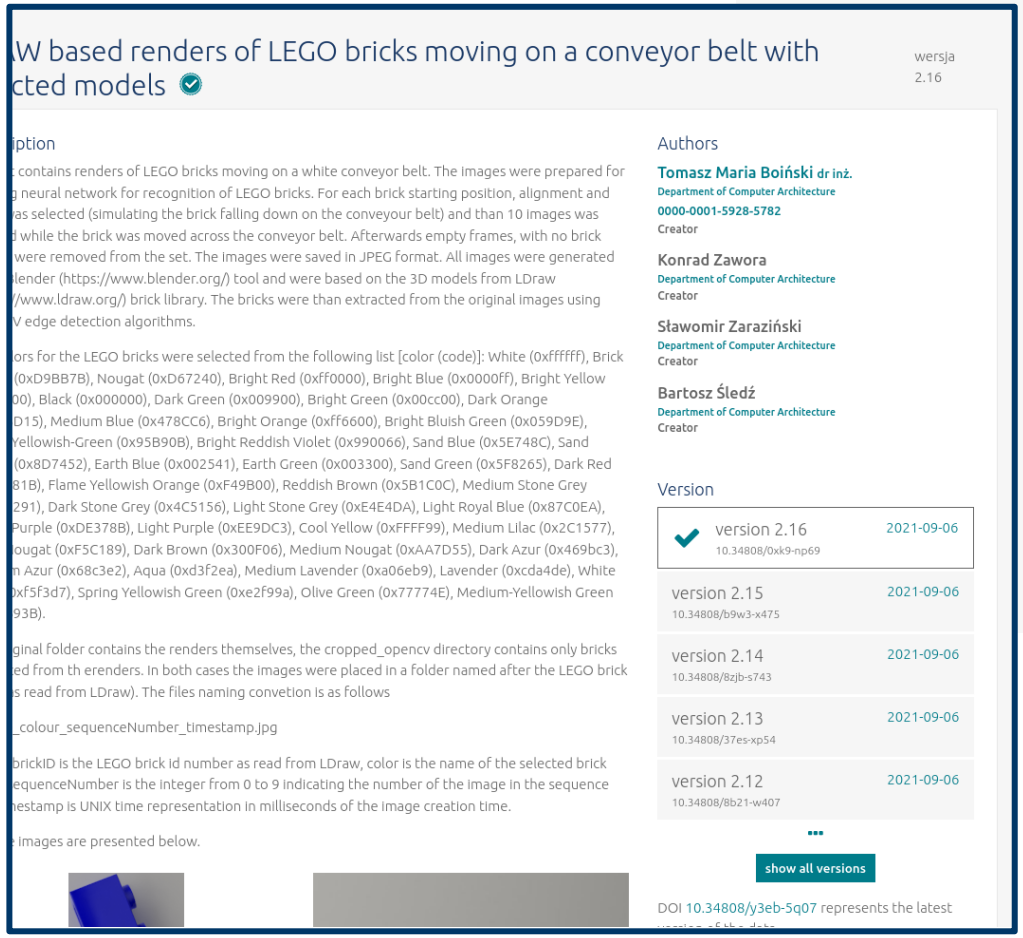

W based renders of LEGO bricks moving on a conveyor belt with
cted models

wersja
2.16

iption

contains renders of LEGO bricks moving on a white conveyor belt. The images were prepared for
g neural network for recognition of LEGO bricks. For each brick starting position, alignment and
as selected (simulating the brick falling down on the conveyour belt) and than 10 images was
d while the brick was moved across the conveyor belt. Afterwards empty frames, with no brick
were removed from the set. The images were saved in JPEG format. All images were generated
lender (https://www.blender.org/) tool and were based on the 3D models from LDraw
/www.ldraw.org/) brick library. The bricks were than extracted from the original images using
V edge detection algorithms.

ors for the LEGO bricks were selected from the following list [color (code)]: White (0xffffff), Brick
(0xD9BB7B), Nougat (0xD67240), Bright Red (0xff0000), Bright Blue (0x0000ff), Bright Yellow
00), Black (0x000000), Dark Green (0x009900), Bright Green (0x00cc00), Dark Orange
D15), Medium Blue (0x478CC6), Bright Orange (0xff6600), Bright Bluish Green (0x059D9E),
Yellowish-Green (0x95B90B), Bright Reddish Violet (0x990066), Sand Blue (0x5E748C), Sand
(0x8D7452), Earth Blue (0x002541), Earth Green (0x003300), Sand Green (0x5F8265), Dark Red
81B), Flame Yellowish Orange (0xF49B00), Reddish Brown (0x5B1C0C), Medium Stone Grey
291), Dark Stone Grey (0x4C5156), Light Stone Grey (0xE4E4DA), Light Royal Blue (0x87C0EA),
Purple (0xDE378B), Light Purple (0xEE9DC3), Cool Yellow (0xFFFF99), Medium Lilac (0x2C1577),
ougat (0xF5C189), Dark Brown (0x300F06), Medium Nougat (0xAA7D55), Dark Azur (0x469bc3),
n Azur (0x68c3e2), Aqua (0xd3f2ea), Medium Lavender (0xa06eb9), Lavender (0xcda4de), White
0xf5f3d7), Spring Yellowish Green (0xe2f99a), Olive Green (0x77774E), Medium-Yellowish Green
93B).

ginal folder contains the renders themselves, the cropped_opencv directory contains only bricks
ed from th erenders. In both cases the images were placed in a folder named after the LEGO brick
s read from LDraw). The files naming convetion is as follows

_colour_sequenceNumber_timestamp.jpg

brickID is the LEGO brick id number as read from LDraw, color is the name of the selected brick
equenceNumber is the integer from 0 to 9 indicating the number of the image in the sequence
estamp is UNIX time representation in milliseconds of the image creation time.

images are presented below.

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Version

version 2.16 10.34808/0xk9-np69	2021-09-06
version 2.15 10.34808/b9w3-x475	2021-09-06
version 2.14 10.34808/8zjb-s743	2021-09-06
version 2.13 10.34808/37es-xp54	2021-09-06
version 2.12 10.34808/8b21-w407	2021-09-06

...

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DOI 10.34808/y3eb-5q07 represents the latest

Open Research Data - LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models

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Filters total: 28

LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models
open research data | version 2.16 | T. Boiński, K. Zawora, S. Zaraziński, B. Śledź - *series: LEGO*
The set contains renders of LEGO bricks moving on a white conveyor belt. The images were prepared for training neural network for recognition of LEGO bricks. For each brick starting position, alignment and color was selected (simulating the brick falling down on the conveyour belt) and than 10 images was created while the brick was moved across the...

LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models
open research data | version 2.15 | T. Boiński, K. Zawora, S. Zaraziński, B. Śledź
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LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models
open research data | version 2.13 | T. Boiński, K. Zawora, S. Zaraziński, B. Śledź
The set contains renders of LEGO bricks moving on a white conveyor belt. The images were prepared for training neural network for recognition of LEGO bricks. For each brick starting position, alignment and color was selected (simulating the brick falling down on the conveyour belt) and than 10 images was created while the brick was moved across the...

LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models
open research data | version 2.12 | T. Boiński, K. Zawora, S. Zaraziński, B. Śledź
The set contains renders of LEGO bricks moving on a white conveyor belt. The images were prepared for training neural network for recognition of LEGO bricks. For each brick starting position, alignment and color was selected (simulating the brick falling down on the conveyour belt) and than 10 images was created while the brick was moved across the...

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The set contains renders of LEGO bricks moving on a white conveyor belt. The images were prepared for training neural network for recognition of LEGO bricks. For each brick starting position, alignment and color was selected (simulating the brick falling down on the conveyour belt) and than 10 images was created while the brick was moved across the...

LDRAW based renders of LEGO bricks moving on a conveyor belt with extracted models

Data series and relationships

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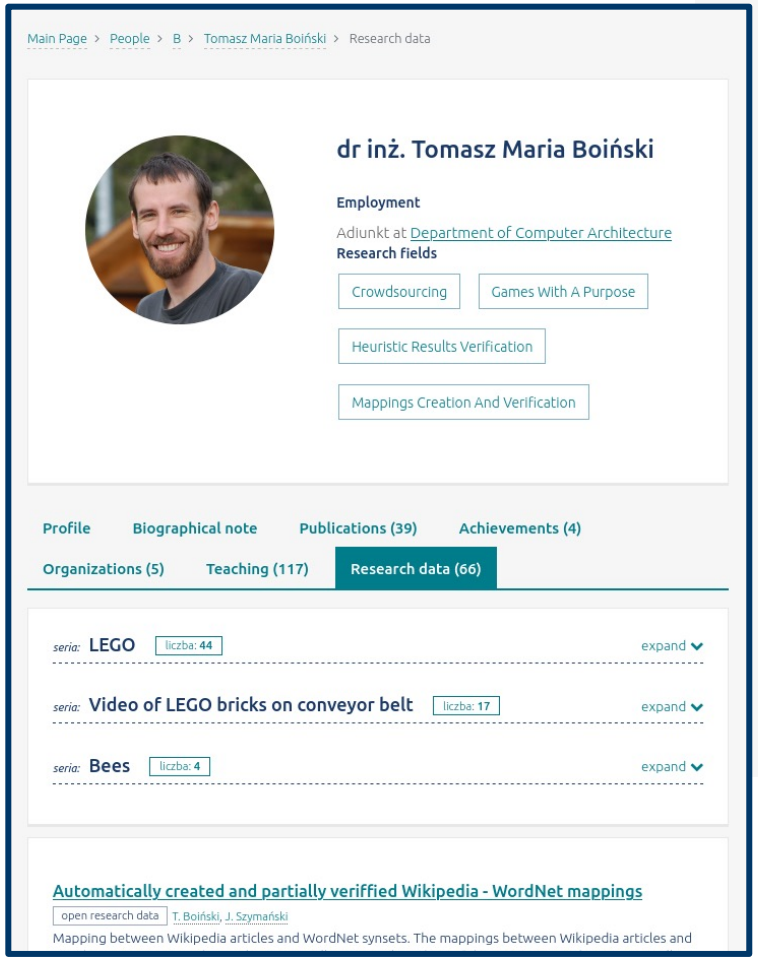

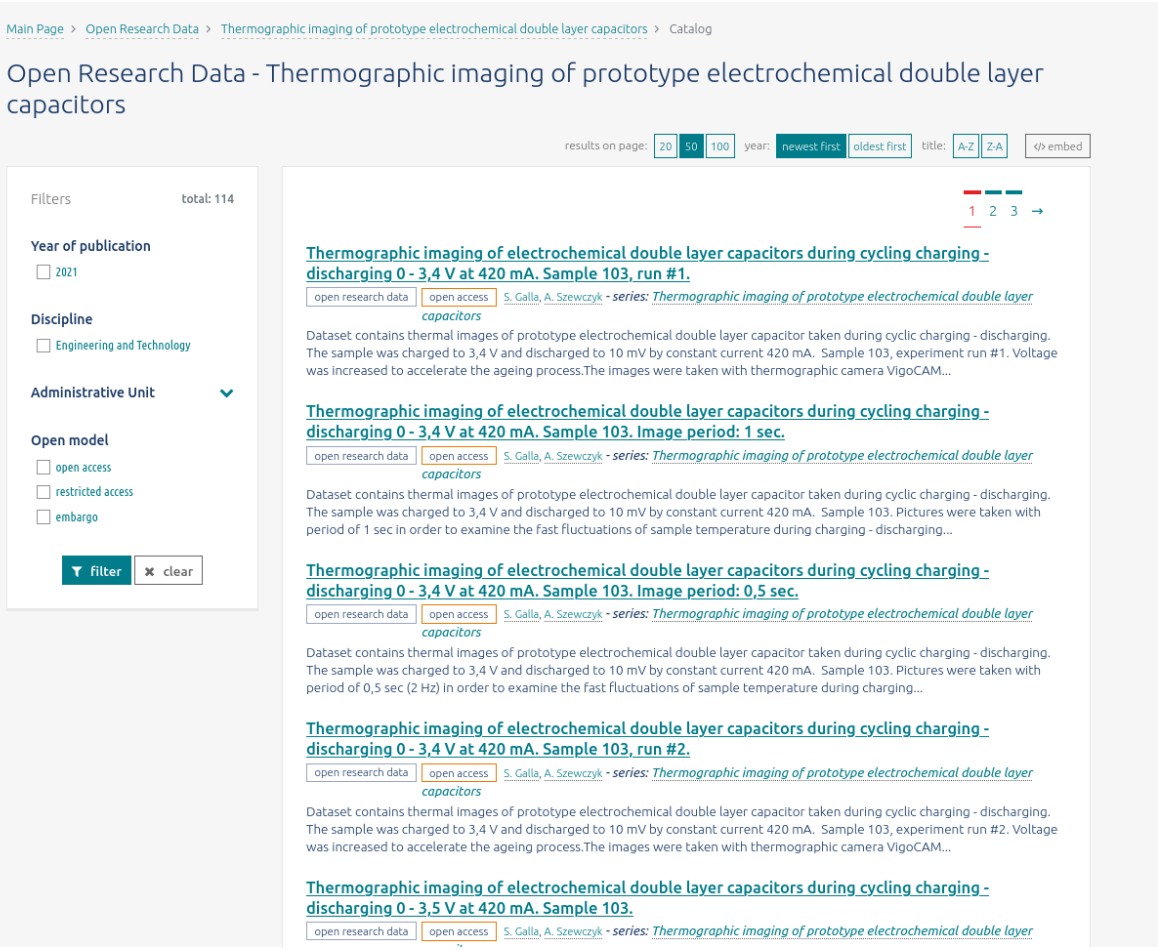

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Main Page › Open Research Data › G › Gold nanocubic structures functionalization with organic layers

Gold nanocubic structures functionalization with organic layers

Description

This dataset contains the XPS spectra obtained for gold nanocubes (AuNC), which were deposited at the gold electrode surface and dried. The AuNC's were first functionalized with either cysteamine in EtOH or mercaptopropionic acid in EtOH. The concentration of these compounds was 20 mM. The interaction of the functionalized with the AuNC surface was investigated. The four different sample types are as follows: CTAB - the surfactant used for AuNC solution, AuNC - bare functionalized AuNC's, C - cysteamine, T - mercaptopropionic acid. Each sample was studied twice. The low-resolution XPS spectrum was obtained, followed by high-resolution scans in C1s, N1s, O1s and Si2p energy range. The pass energy was 20 eV with an energy step size 0.1 eV. The amount of used AuNC was 10 uL in each case.

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Dataset file

dataset_3.zip
323.0 kB, S3 ETag
7c30adc789fa0157e438089b60113bb6-1,
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contents preview | request access

File details

License:	Restricted access restricted until published
Raw data:	Data contained in dataset was not processed.

Details

Year of publication:	2021
Verification date:	2021-08-06
Dataset language:	English
Fields of science:	**Chemical sciences** (Natural sciences) **Materials engineering** (Engineering and Technology)

MODALITY corpus - SPEAKER 01 - COMMANDS C1

Opis

The MODALITY corpus is one of the multimodal database of word recordings in English. It consists of over 30 hours of multimodal recordings. The database contains high-resolution, high-framerate stereoscopic video streams and audio signals obtained from a microphone array and a laptop microphone. The corpus can be employed to develop an AVSR system, as every utterance was labelled. Recordings in noisy conditions can be used to test the robustness of speech recognition systems.

The language material was based on a remote control scenario and it includes 231 words -numbers, names of months and days, a set of verbs and nouns related to a computer device control. They were read by speakers as separated words and sequences resulting in a set of 12 recording sessions per speaker. Half of the sessions were recorded in quiet conditions, the other half contained three kinds of intrusive signals (traffic, babble and factory noise).

The corpus includes recordings of 42 speakers (33 male, 9 female). The participants include 20 students and staff of Multimedia Systems Department of the Gdańsk University of Technology, 5 students of the Institute of English and American Studies of the University of Gdańsk, and 17 native English speakers.

The dataset consist of recordings and visual features for **SPEAKER 01**:

- sex: man
- native speaker: no
- age: 27

The test material: **COMMANDS C1**

All recordings for all speakers are available at http://www.modality-corpus.org/

Sample still from the corpus (SPEAKER 01)

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SP01_COMMANDS1.ZIP
6.2 GB, S3 ETag a61e1abbda2c7109922871643d0edac3-13, pobrań: 0, plików: 31

pobierz | podgląd zawartości

Informacje szczegółowe o pliku

Licencja: Niestandardowa przeczytaj

Informacje szczegółowe

120 TB

Open Research Data

Contextual nature and linkability of resources

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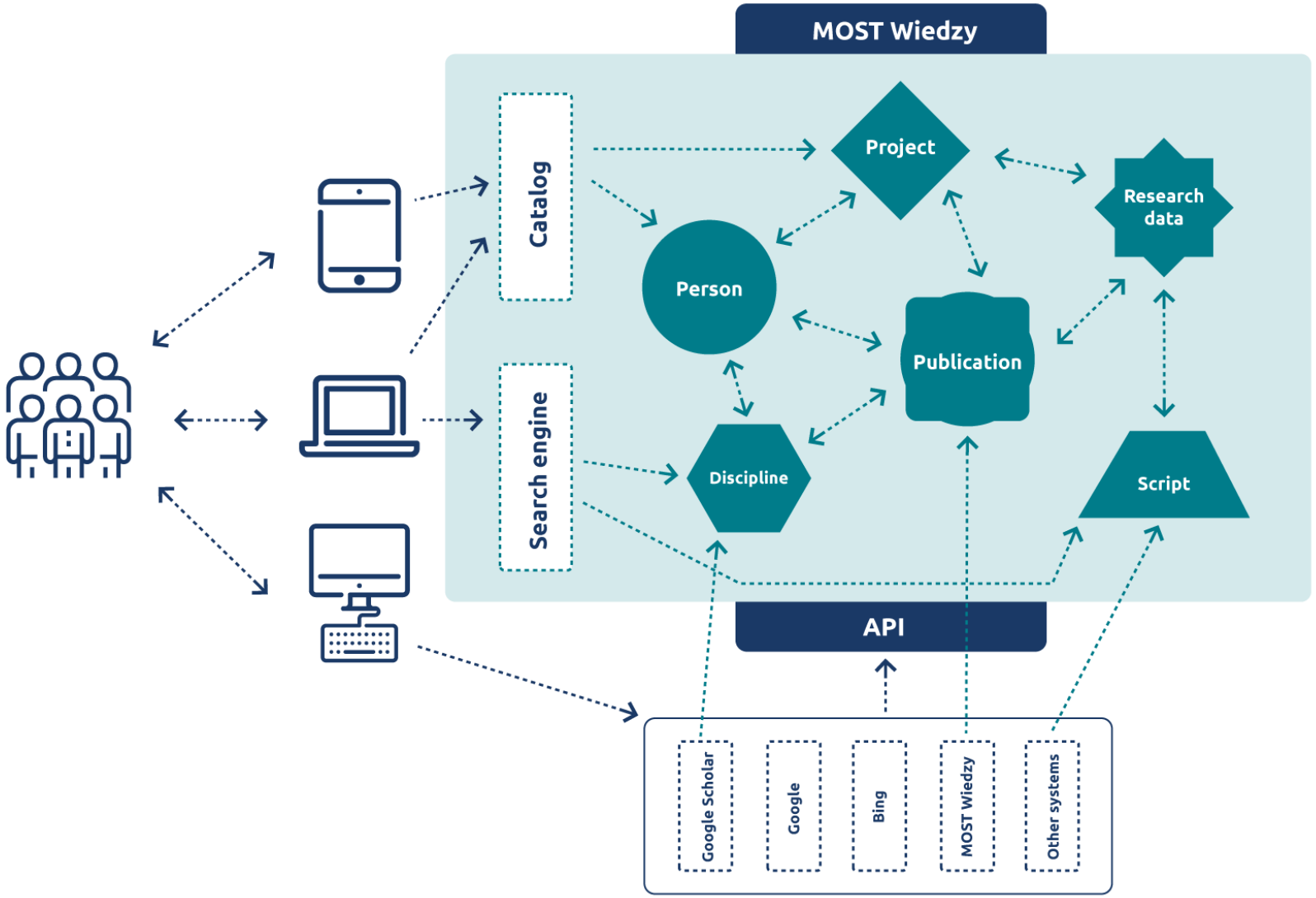

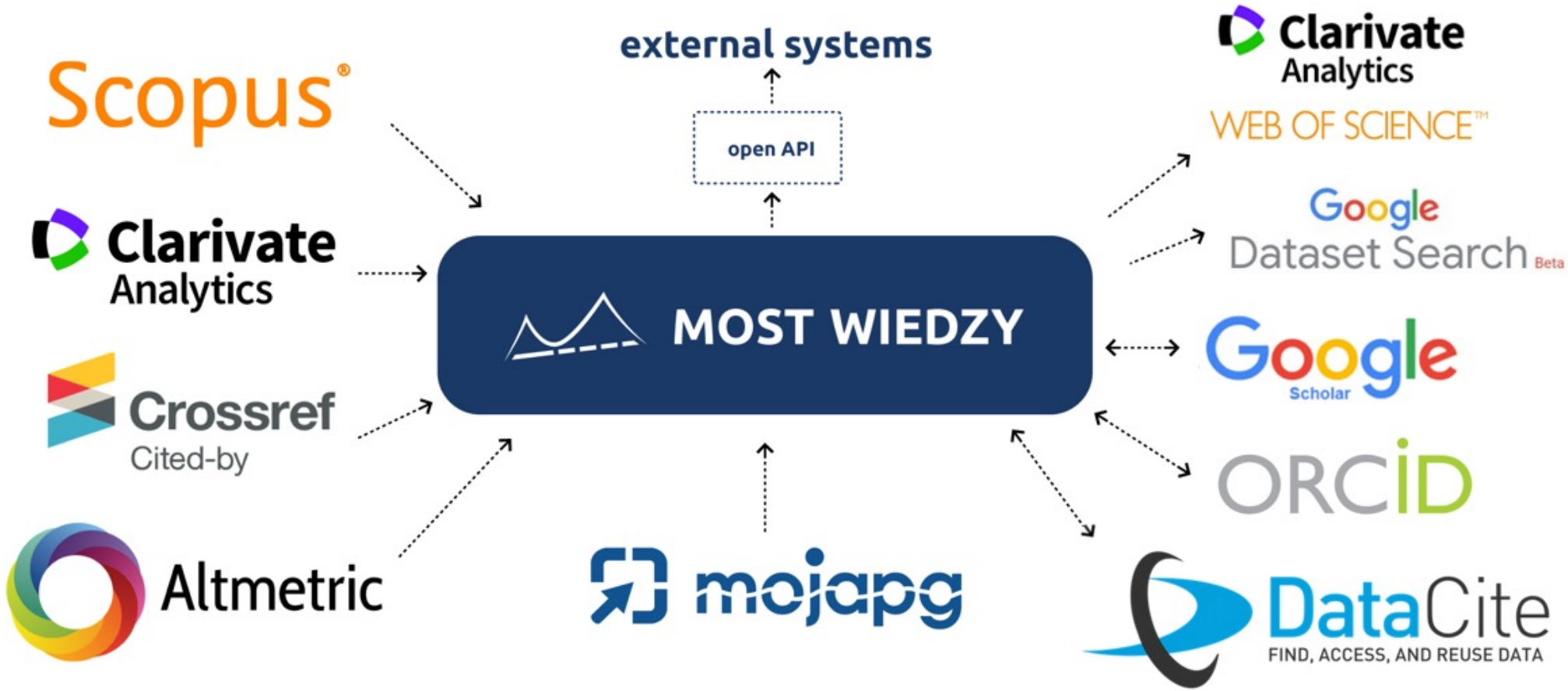
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OA vs. ORD

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agregation in HUBs

large amounts of data

proximity to the supercomputer

fast network connection

distributed metadata

PIONIER net

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CORE
TRUST
SEAL

Data feed automation and processing

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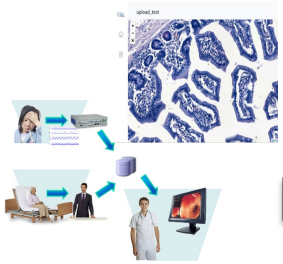

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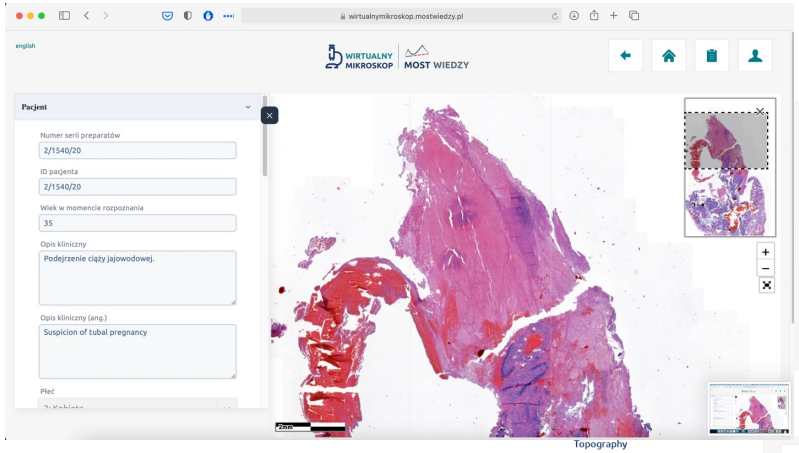

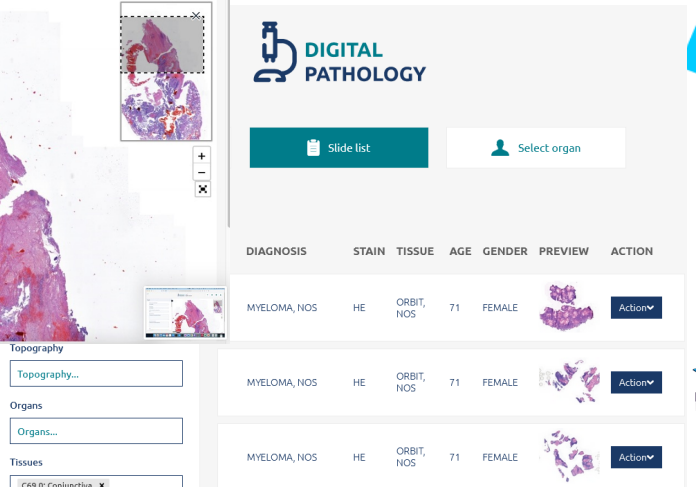

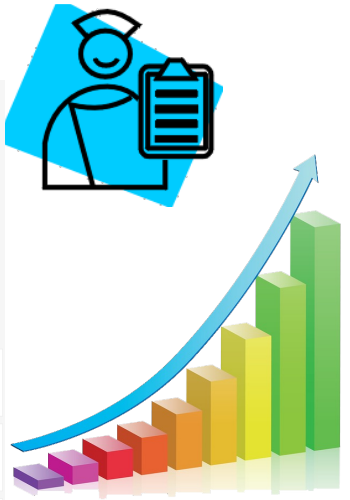

over 120 TB of data
over 27 000 datasets

Data visualization

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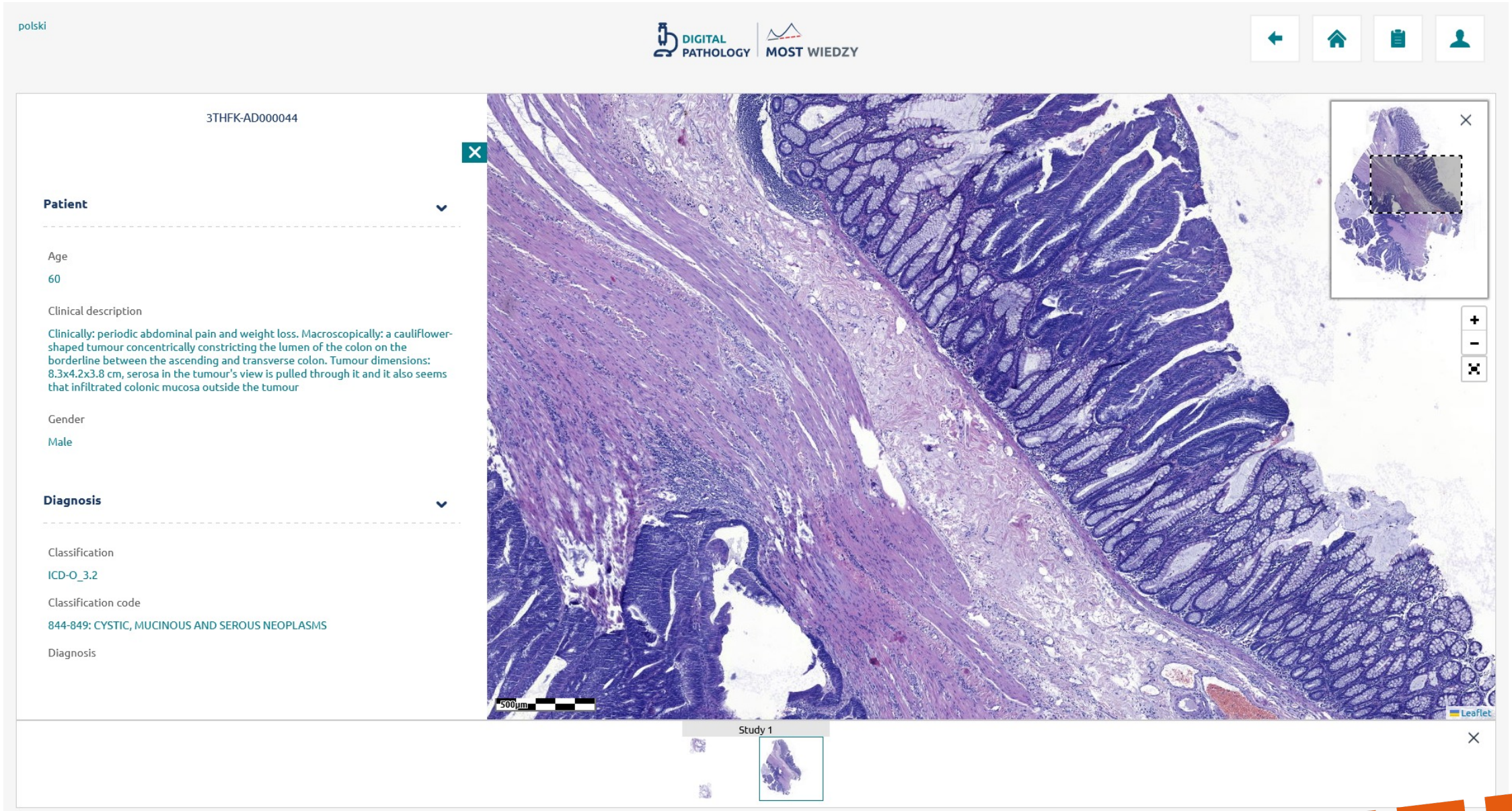

International portal

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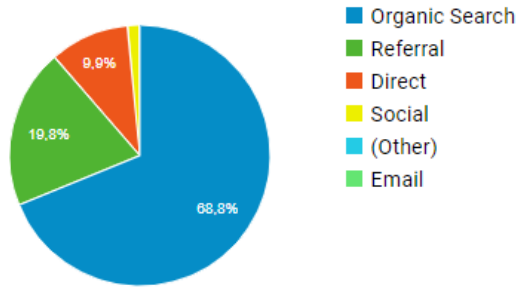
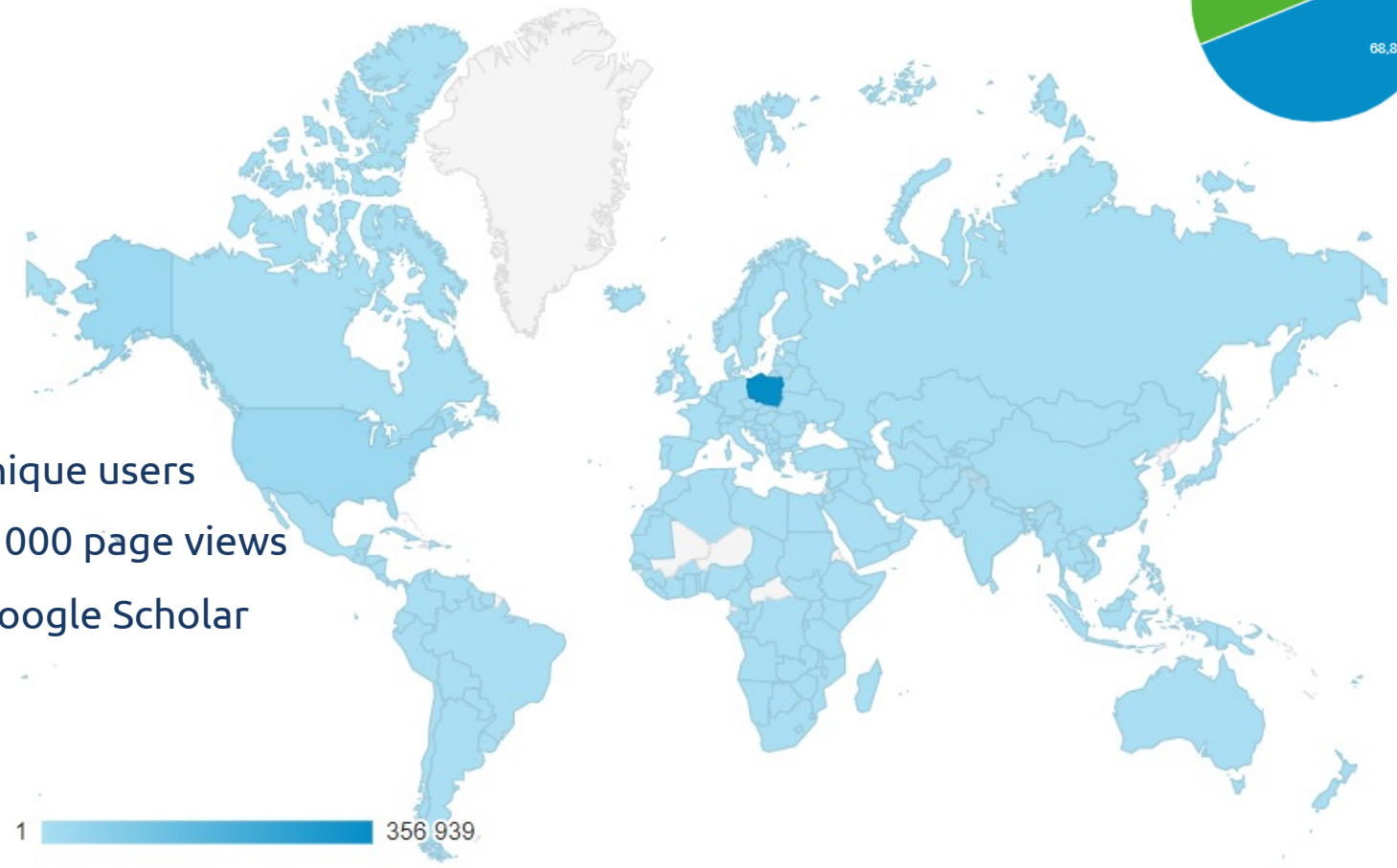


Last year



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