THE APPEARANCE OF CUSTOMS IN ACADEMIC PUBLICATIONS

by Zágon Csaba, PhD

Head of Department for Academic and International Affairs

Ludovika University of Public Service

Budapest, Hungary

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METHODOLOGY: A SCIENTOMETRIC ANALYSIS

- Used for academic publications only
- Assessing the added value (impact) of published papers to the development of science by tracking citations
- International scientific databases
- Metadata analysis of scientific publications
- Determination of the structure and dynamics of a population of scientific publications on a particular topic using statistical methods
- Keyword mining
- Based on Set Theory

ELSEVIER: SCOPUS DATABASE

International indexed citation database

As of January 2025: 97,3 M peer-reviewed scientific publications, 28300 journals, 825 volumes of study books, 368 000 books

Composition: 35% social sciences, 27% natural sciences, 23% health sciences, 15% life sciences

In 2025, subscription is available to university citizens in the Ludovika University' Central Library free of charge

As part of the subscription package an analytical tool (SciVal) available – a robust tool for scientometric analysis of the database

ELSEVIER: SCOPUS DATABASE

The database contains:

Publications mainly in English

Publications written in any other languages include titles, abstracts and keywords in English

SCIENTIFIC PUBLICATIONS FOUND

Selection date: 26.01.2025.

Records found: 3709 scientific publications

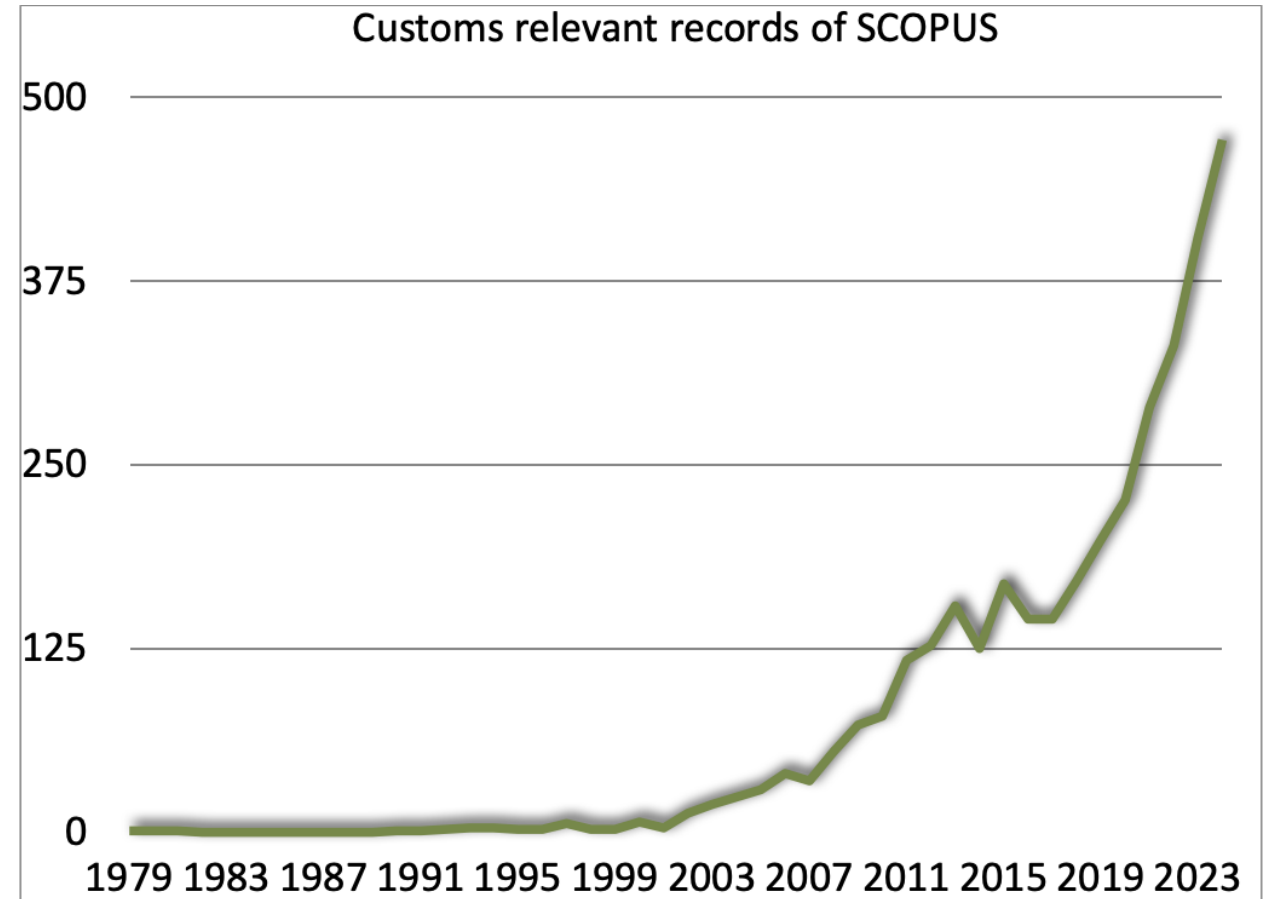reduced further as per their relevance to be analysed …

Population: n=3453

First record: 1979, last entire year of 2024

Trend: Increase

Author's affiliations

European share (at least one author): 1449

EU Member States share: 800

Customs relevant records of SCOPUS

SEARCH TERMS AND WORD CLOUD

Boolean select phrase: (TITLE-ABS-KEY ("customs" AND "clearance" OR "border control" OR "trade regulation" OR "import" OR "export") OR ALL ("customs" AND ("service" OR "agency" OR "authority" OR "administration"))

AND ALL ... LL ("customs"
AND ("lo... ("international"
OR "global" ... e OR tradition)
))

Challenges of the word:
"Customs"
"Customs specificity"
Reproducibility
Font size
Meaning of colours
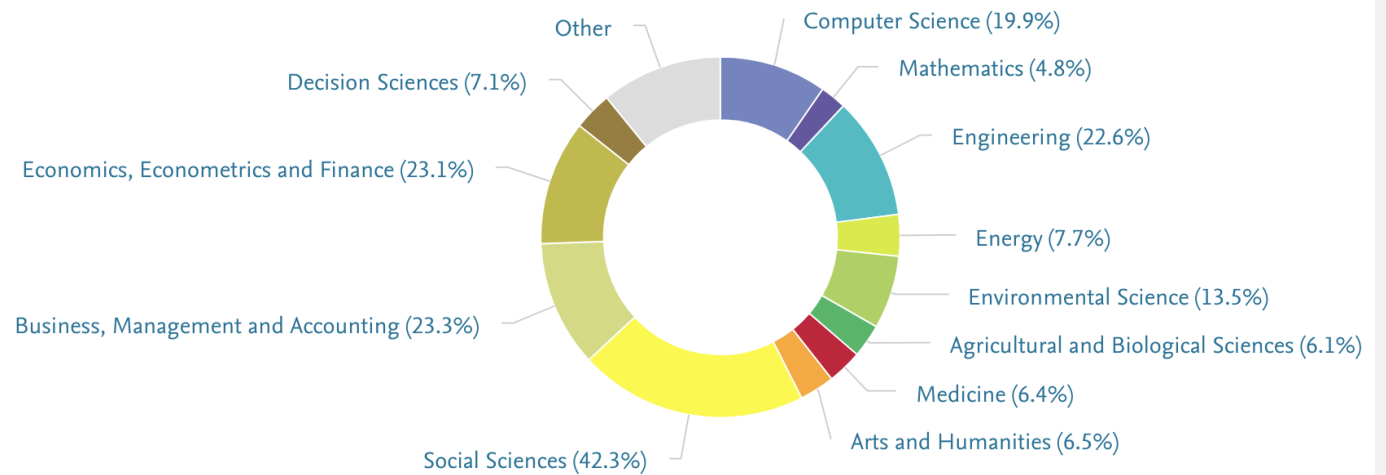A robust feature to identify strong links

Slice of the last entire 25 years (n=3443)

FORMS OF PUBLICATIONS – ENTIRE SET (1979-2024)
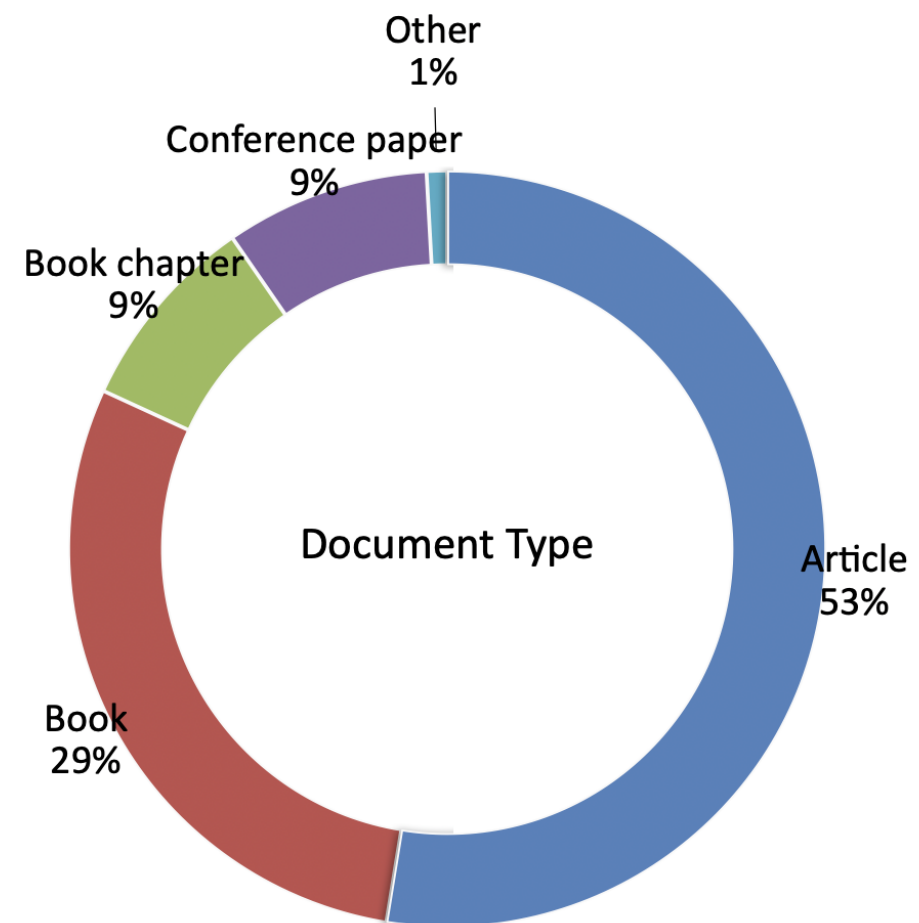
SCIENTIFIC FIELDS

Slice of the last entire 25 years (n=3443)

The total number of scientific fields concerned: 964

	Countries/Regions	Scholarly Output ↓	Views Count ∨	Field-Weighted Citation Impact (excl. self-citations) ∨	Citation Count (excl. self-citations) ∨
1.	☐ United States	389	13,670	1.60	5,390
2.	☐ China	257	9,735	1.37	3,480
3.	☐ United Kingdom	220	11,311	1.99	2,990
4.	☐ Australia	100	6,058	2.19	1,414
5.	☐ India	86	5,051	1.48	1,382
6.	☐ Germany	85	5,448	2.25	1,438
7.	☐ Russian Federation	73	3,503	1.77	477
8.	☐ Italy	70	4,443	1.69	1,022
9.	☐ Canada	68	2,549	2.24	692
10.	☐ Malaysia	59	5,148	3.17	801
11.	☐ Netherlands	57	3,156	2.66	906
12.	☐ Ukraine	57	2,803	0.92	181

COUNTRIES OF AFFILIATIONS

Top dozen

|	Institution	Scholarly Output ↓	Views Count ∨	Field-Weighted Citation Impact (excl. self-citations) ∨	Citation Count (excl. self-citations) ∨
1.	NLD Delft University of Technology	17	1,342	2.76	284
2.	USA Michigan State University	12	516	1.87	207
3.	MYS Universiti Sains Islam Malaysia	12	2,470	4.88	119
4.	RUS Plekhanov Russian University of Economics	11	780	0.85	72
5.	AUS Queensland University of Technology	11	1,534	2.38	354
6.	FRA CNRS	10	592	1.70	175
7.	HKG Hong Kong Polytechnic University	10	992	4.19	404
8.	SGP National University of Singapore	10	444	1.30	115
9.	AUS Royal Melbourne Institute of Technology University	10	741	1.53	188
10.	GBR University of Oxford	10	587	3.43	194
11.	JOR Al Ahliyya Amman University	9	370	6.61	121
12.	RUS Financial Academy of the Russian Federation Government	9	689	0.64	49

INSTITUTIONS

Top dozen

|	Author		Affiliation	Scholarly Output ↓	Views Count ∨	Field-Weighted Citation Impact (excl. self-citations) ∨	Citation Count (excl. self-citations) ∨
1.	☐	Al-Zaqeba, Murad Ali Ahmad	MYS Universiti Sains Islam Malaysia	14	2,864	4.70	182
2.	☐	Rukanova, Boriana D.	NLD Delft University of Technology	12	761	3.11	138
3.	☐	Tan, Yaohua	NLD Delft University of Technology	11	693	3.07	120
4.	☐	Jarah, Baker Akram Falah	JOR Amman Arab University	7	820	4.12	121
5.	☐	Ubacht, Jolien	NLD Delft University of Technology	6	491	4.01	56
6.	☐	Shubailat, Omar M.	JOR German Jordanian University	5	1,853	5.33	38
7.	☐	Chen, Qin	CHN Shanghai University	4	154	3.41	110
8.	☐	Heijmann, Frank	Dutch Customs	4	185	0.93	32
9.	☐	Hussain, Muhammad	GBR University of Huddersfield	4	60	2.65	14
10.	☐	Madi, Aziz	JOR German Jordanian University	4	1,811	6.19	27

AUTHORS

Top 10

CO-AUTHORSHIP NETWORKS

- Indicated 578 authors (who produced at least 2 published papers)

- 961 links between the authors (co-authorship)

- 276 clusters – the first 18 clusters are colourised

- The more documents an author has produced, the bigger size of node it indicates.
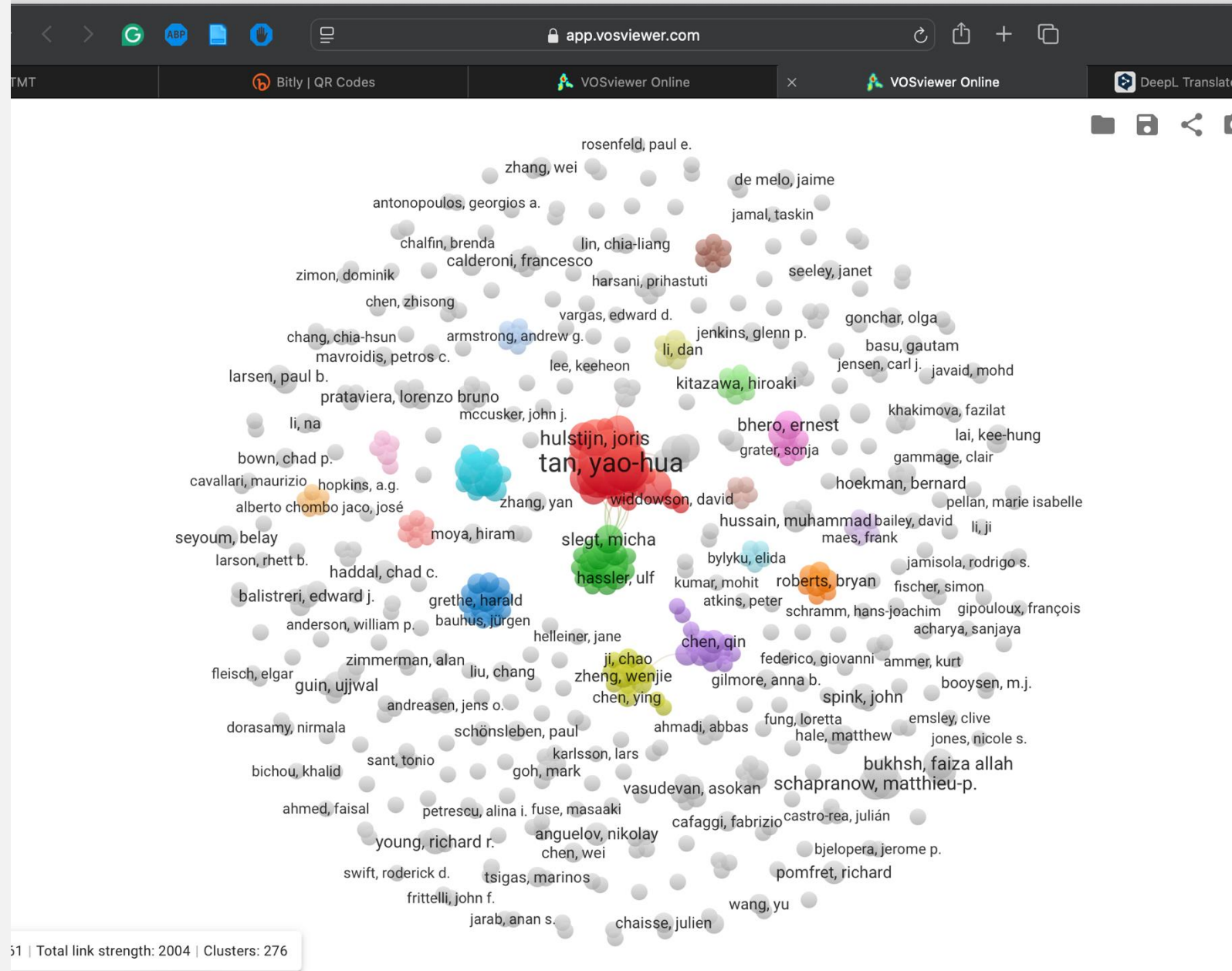
CO-AUTHORSHIP NETWORKS

- Members of a cluster have stronger ties among them than links to other nodes out of their own cluster

- The more links an author has the bigger node it indicates in this picture (the links strength also counts – according to other node's rank in the degree distribution they are connected with)

- A cluster represents the knowledge of a set of their researches may be identified from the database or by having insight

- The biggest cluster counts 30 members (indicated by red)

- They linked other 3 clusters' knowledge through co-authorships to their cluster

- The more interlinks a cluster created with other clusters the stronger research performance they have formed.

https://bit.ly/Customs3453net
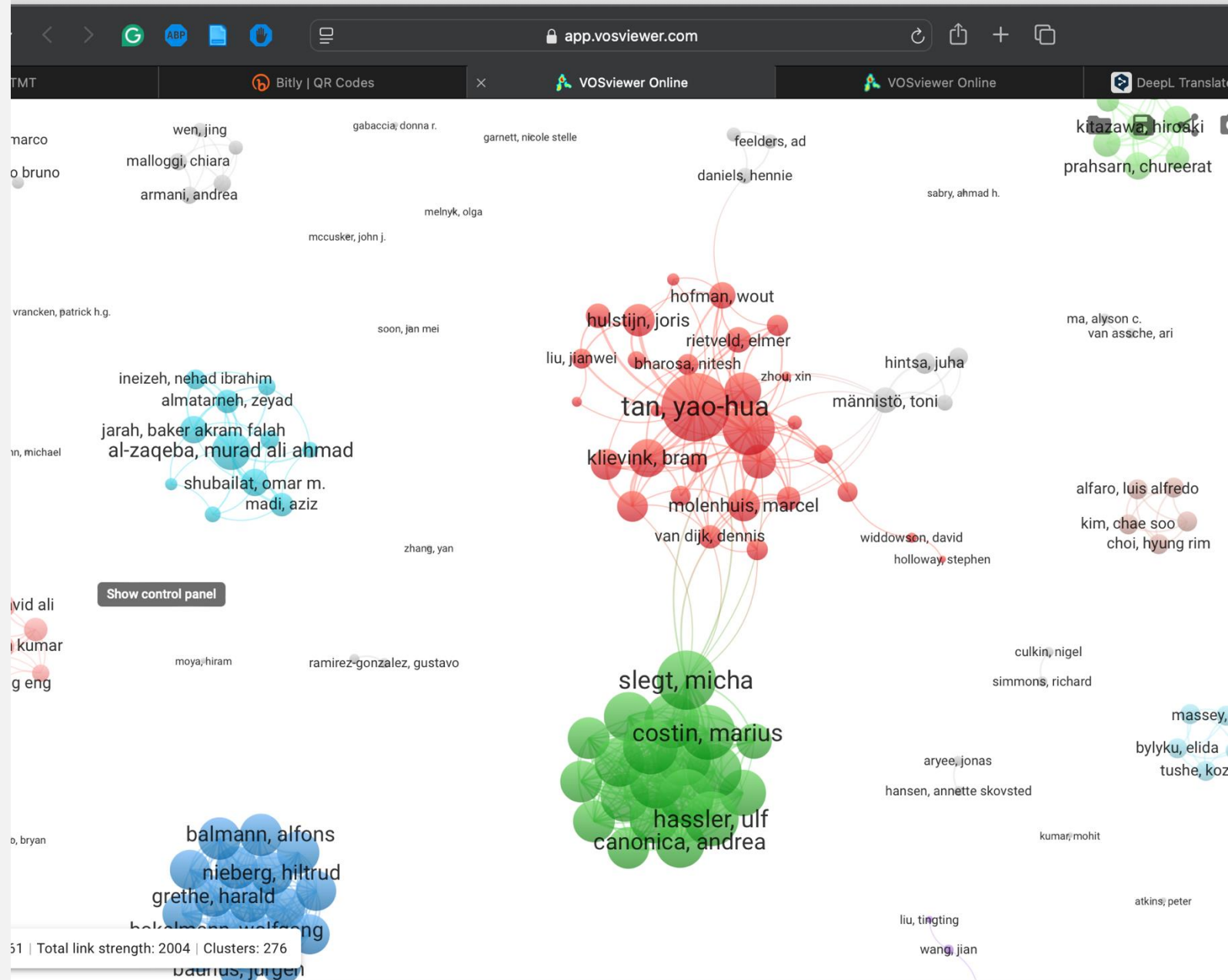
WHERE DID THEY APPEAR?

GLOBAL TRADE AND CUSTOMS JOURNAL

incu
INTERNATIONAL NETWORK OF CUSTOMS UNIVERSITIES

	Scopus Source	Scholarly Output ↓	Views Count ∨	Field-Weighted Citation Impact (excl. self-citations) ∨	Citation Count (excl. self-citations) ∨
1.	Sustainability (Switzerland)	45	3,474	1.18	573
2. ✗	Global Trade and Customs Journal	26	652	0.15	15
3.	IEEE Access	23	852	1.88	375
4. ✗	World Customs Journal	23	644	0.39	57
5.	Sensors	18	1,453	2.27	698
6.	World Economy	9	374	1.05	70
7.	Applied Sciences (Switzerland)	8	497	2.08	196
8.	Energies	8	397	0.97	92
9.	Transportation Research Procedia	8	192	4.29	100
10.	Uncertain Supply Chain Management	8	2,156	3.39	129

ZOTERO.ORG

zotero

- Online database space for storing academic publications

- Minimum contents: bibliographic data and DOI and other links to full contents where appropriate (Open Access)

- Full content may also be attached (e.g. in PDF)

- TITLE, ABSTRACT and KEYWORDS may be available in the English

- Publicly accessible

- Customs relevant content could be created and kept refreshed with ease

https://www.zotero.org/groups/5769175/customs_academic_publications/library

https://bit.ly/CustomsAP