

Identificarea subiectelor emergente cu Research Horizon Navigator

Septembrie 2024



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Ritmul cercetării se intensifică

Creșterea volumului de producție

Numărul articolelor publicate anual a crescut la o rată medie de 5-6,5% între 2015 și 2020.

SURSA : [STM Global Brief 2021 – Economics & Market Size](#)

Competiție globală

China a depășit S.U.A. și U.E. în ceea ce privește producția de cercetare în domeniul tehnologiei și al științelor fizice.

SURSA : [2023 ISI report: China's Research Landscape](#)

Progresele privind SDG în pericol

Ratele colaborării internaționale și interdisciplinare sunt în scădere sau stagnante în domenii-cheie.

SURSA : [2022 STRINGS Changing Directions report](#)

Research Horizon Navigator



Inovați în domenii rapide

Anticipați descoperiri prin explorarea unor subiecte noi definite de activitatea recentă de citare.



Investiți în domenii interdisciplinare

Descoperiți domenii emergente pe baza interdisciplinarității lor.



Orientarea strategiei

Rămâneți la curent cu tendințele în cercetare pentru a lua decizii strategice privind parteneriate, talente, finanțare și resurse.

Discover new topics emerging on the research horizon

based on citation data from the Web of Science, the world's most trusted database

Search by keywords or select a suggested category



AGRICULTURAL
SCIENCES



99

7

EMERGING TOPICS

CATEGORIES

ARTS &
HUMANITIES,
INTERDISCIPLINARY



66

6

EMERGING TOPICS

CATEGORIES

BIOLOGY &
BIOCHEMISTRY



607

32

EMERGING TOPICS

CATEGORIES

CHEMISTRY



477

21

EMERGING TOPICS

CATEGORIES

CLINICAL MEDICINE

1284

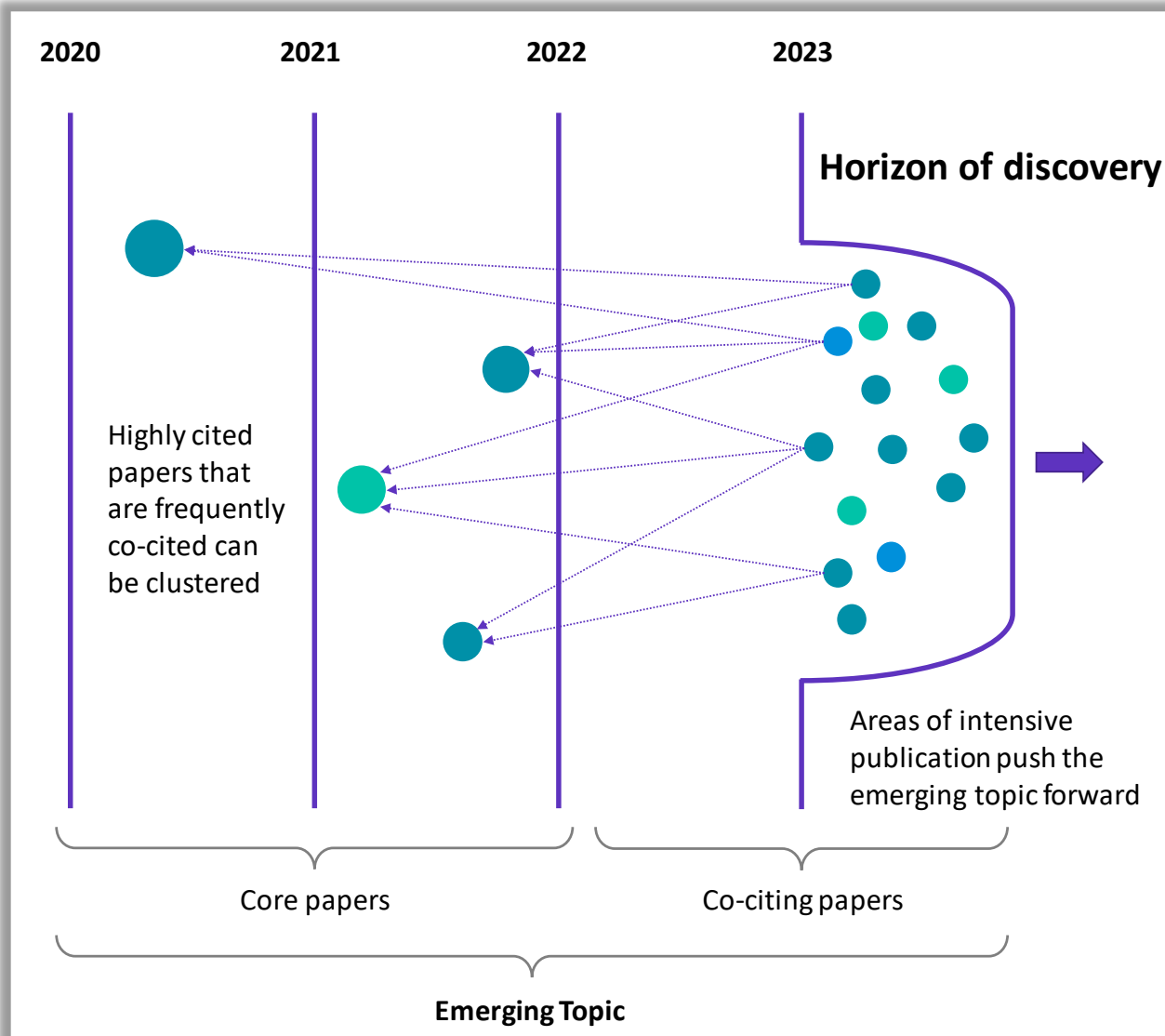
EMERGING TOPICS

Identificarea
domeniilor în care
este probabil să apară
viitoarele descoperiri.

10,000+

Subiecte de cercetare
emergente

Research Horizon Navigator



Subiectele emergente sunt zone de publicare intensivă, detectate și grupate prin co-citare.

- Articole, review-uri și conferințe din ultimii 5 ani
- Lucrări din domeniul științelor, științelor sociale și artelor și științelor umaniste

Indicatorul de interdisciplinaritate asigură direcția strategică



Indicele de interdisciplinaritate evaluează cât de larg acoperă diferite domenii grupul de lucrări care alcătuiesc subiectul emergent.

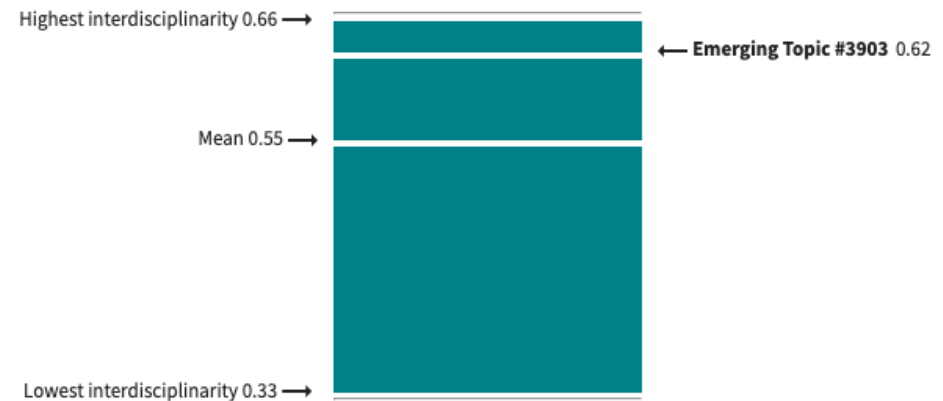


Plasați indexul în contextul setului de date selectat pentru a înțelege dacă subiectul emergent este restrâns sau divers.



Înțelegeți care subiecte emergente dintr-o categorie selectată se intersectează cu cele mai multe domenii.

Interdisciplinarity Index



The figure above shows the Interdisciplinarity Index (0.62) of the total papers compared to min (0.33), max (0.66) and average (0.55) for all of the Emerging Topics in this dataset. [Read more](#)

Inteligența artificială este exploatată pentru a crește gradul de simplificare

Comunicarea clară și urmărirea subiectelor emergente cu ajutorul subiectelor generate de IA



Subiecte definite de autor

Valorificarea opiniilor cercetătorilor prin intermediul citărilor comune și al cuvintelor cheie definite de autor, ducând la subiecte mai relevante.



Etichete succinte ale subiectelor emergente

Am valorificat inteligența artificială generativă pentru a atribui un titlu care să reprezinte cu exactitate lucrările dintr-un grup de subiecte emergente.

Descoperiți unde este probabil să apară viitoarele descoperiri



Filtrarea listei de subiecte emergente după:

- Cuvinte cheie
- Categori



Filtrarea documentelor în funcție de:

- Autor
- Instituție
- Țara
- Mai multe...

Clarivate

Research Horizon Navigator™

Categories

Emerging Topics

Search by keywords or select a suggested category

16 Emerging Topics

Document Keyword astrobiology

Emerging Topics Filters

Search Emerging Topics

Primary Categories

Include Secondary Categories

Search for Category

☐ Acoustics

☐ Agricultural Economics ...

☐ Agricultural Engineering

☐ Agriculture, Dairy & Ani...

☐ Agriculture, Multidiscipl...

☐ Agronomy

Emerging Topic	Primary Category	Secondary Category	Papers	Mean co-citing publication year	Interdisciplinarity
Exploring Interdisciplinary Insights in Space Ophthalmology and Microgravity Health	Ophthalmology	--	251	2022	0.74378553
Advancements in Deep Learning: From Architectures to Applications	Engineering, Electrical & Electronic	--	651	2022.4	0.73528315
Integrative Multi-Omics Approaches in Cancer Research: Insights and Innovations	Mathematical & Computational Biology	--	328	2022.3	0.70144748
Disruption Dynamics in Modern Science: Novel Measures and Trends	Information Science & Library Science	Computer Science, Interdisciplinary Applications	71	2022.8	0.68958968
Microbiome Contamination and Diversity: Insights Across Diverse Environments	Microbiology	--	115	2021.6	0.6661794

Identificarea rapidă a conexiunilor

Vizualizări interactive care demonstrează relațiile dintre documente

Emerging Topic ID #2481 - Explorer

View details

150 Papers (15 Core / 137 Co-citing)

Search core and citing papers...

Sustainable Development Goals and sustainability teaching at universities: Falling behind or getting ahead of the pack?
Mifsud, Mark; Leal, Walter; Vargas, Valeria Ruiz; Azeit... September 2019

Universities as the engine of transformational sustainability toward delivering the sustainable development goals "Living labs" for...
Spengler, John D.; Henriksen, Heather; PURCELL, WENDY October 2019

Are the sustainable development goals being implemented in the Portuguese higher education formative offer?
Leal, Susana; Azeiteiro, Ulisses Manuel de Miranda; Aleixo, Ana Marta February 2020

Key competencies in sustainability in higher education-toward an agreed-upon reference framework
Harre, Niki; Jarchow, Meghann; Cohen, Matthew; Parnell, Rod... July 2020

SDG 4 in higher education: challenges and opportunities
Roofe, Carmel Geneva; Ferguson, Therese June 2020

Education for advancing the implementation of the Sustainable Development Goals: A systematic approach
Pereira, Raquel da Silva; Avelar, Aline Ambrósio Avelar; ... November 2019

Aligning Campus Strategy with the SDGs: An Institutional Case Study
SHIEL, C.; Cantarello, Elena; Smith, Neil January 2020

Higher Education For Sustainability: A Global Perspective
Zaleniene, Inga; Pereira, Paulo June 2021

The EDINSOST Project: Implementing the Sustainable Development Goals at University Level
Valderrama Hernández, Rocío; Albareda-Tiana, Sílvia; Azc... January 2020

Students' learning sustainability - implicit, explicit or non-existent: a case study approach on students' key competencies addressing the SDGs in...
Fahmy, T.; Eiblmeier, David; Beery, Thomas; Alm, Karin January 2022

An overview of the engagement of higher education institutions in the implementation of the UN Sustainable Development Goals
Leal, Walter; Eustachio, Joao Henrique Paulino Pires; Salv... January 2023

The Role of Green Areas in University Campuses: Contribution to SDG 4 and SDG 15

Citation Map View

Core Paper

Core & Co-citing Paper

Co-citing Paper

Cited by paper

Citing paper

Are the sustainable development goals being implemented in the Portuguese higher education formative offer?

Core Education & Educational Research Green & Sustainable Science & Technology

Leal, Susana; Azeiteiro, Ulisses Manuel de Miranda; Aleixo, Ana Marta

February 2020 | Int J Sust Higher Ed

35 Citations

PurposeThe study aims to examine the vertical integration of the sustainable development goals (SDGs) in Portuguese public higher education institutions, namely, at the level of undergraduate and master's degrees, and the extent to which Portuguese higher education institutions (HEI) are preparing for the United Nations' call to promote SDGs.Design/methodology/approachA content analysis of the designations and objectives of the 2,556 undergraduate and master's degrees (in 33 Portuguese public higher education institutions) was done to determine whether they promote at least one SDG.FindingsThe results show that 198 courses directly address at least one SDG; on average, each higher education institution (HEI) has six courses that explicitly address at least one SDG; universities have more courses in SDG areas than in polytechnics; more master's degrees embrace SDGs than undergraduate degrees; and most of the courses addressing SDGs are from the social sciences and humanities areas and from natural and environmental sciences.Originality/valueThis paper serves to raise the awareness of Portuguese HEIs of their role and responsibility in furthering SDGs.

Keywords: Higher Education; Issues; Portuguese Higher Education; Competences; Education For Sustainable Development; Sustainability Curriculum; Universities; Sustainable Development Goals

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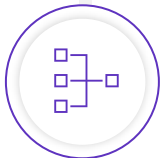
Cookie policy

Analiza în detaliu a unui subiect emergent

Înțelegerea a ceea ce alcătuiește subiectul emergent



Identificarea categoriilor care sunt proeminente



Înțelegerea numărului de articole de bază și de articole de co-citare care alcătuiesc subiectul



Înțelegerea caracterului recent al subiectului folosind anul mediu de publicare



Utilizarea wordcloud-ului pentru a vedea ce subiecte de citare alcătuiesc subiectul emergent

EMERGING TOPIC

Advancing Sustainability in Higher Education: Integrating SDGs and Green Initiatives

PRIMARY CATEGORY	CORE PAPERS ⓘ	CO-CITING PAPERS	MEAN PUBLICATION YEAR	INTERDISCIPLINARITY ⓘ
Green & Sustainable Science & Technology	15	137	2022.1	0.58 ↓
SECONDARY CATEGORY	TOTAL PAPERS ⓘ	TOTAL CITATIONS	MEAN CO-CITING PUBLICATION YEAR	SEARCH PIVOT-RP
Environmental Sciences	150	483	2022.2	Explore Funding Opportunities ⓘ

Citation Topics and Author Keywords

Citation topics and author keywords for core and co-citing papers

View
Author keywords





Interdisciplinaritatea în cercetare

Abordarea unor provocări complexe

Interdisciplinaritatea în cercetare

Încurajarea cercetării interdisciplinare prin inițiative



Oportunități de finanțare

Multe agenții de finanțare - de exemplu National Science Foundation (NSF), European Research Council (ERC) și National Institutes of Health (NIH) - au adesea cereri specifice pentru propuneri de cercetare interdisciplinară. Aceste programe urmăresc să încurajeze colaborarea între discipline și să ofere sprijin financiar pentru proiecte inovatoare, transversale.



Publicații și reviste

Numeroase reviste sunt dedicate cercetării interdisciplinare, precum Nature Communications, PLOS ONE și Science Advances. Aceste reviste încurajează contribuțiile care depășesc granițele disciplinare tradiționale, oferind o platformă pentru publicarea și diseminarea lucrărilor interdisciplinare.



Sprijin instituțional

Multe universități și instituții de cercetare oferă sprijin pentru cercetarea interdisciplinară prin finanțare internă, stimulente sau programe de recunoaștere. Acestea pot include subvenții sau premii.



Inițiative guvernamentale și politice

Guvernele și responsabilii politici promovează adesea cercetarea interdisciplinară ca parte a strategiilor naționale sau internaționale în domeniul științei. De exemplu, inițiativele care vizează abordarea provocărilor globale, precum Obiectivele de dezvoltare durabilă (ODD), subliniază adesea necesitatea abordărilor interdisciplinare.

Impactul sporit al cercetării interdisciplinare

Emerging Topic	Primary Category	Interdisciplinarity
Inequality and Inclusion in Science: Unveiling Bias and Advancing Diversity	Information Science & Library Science	0.81
Evaluating Academic and Technological Frontiers in Bibliometric and Environmental Sciences	Information Science & Library Science	0.80
Advancing Health Sciences through Delphi Consensus and Technology Integration	Public, Environmental & Occupational Health	0.80
Interpreting Machine Learning Models: From Feature Importance to Causal Insights	Computer Science, Artificial Intelligence	0.79
Interdisciplinary Insights into Covid-19: From Epidemic Dynamics to Therapeutic Opportunities	Physics, Multidisciplinary	0.79
Advancing Bayesian Methods for Ecological and Psychological Data Analysis	Psychology, Experimental	0.79
Advancing Systematic Reviews: Methodological Quality, Bias Assessment, and Public Health	Surgery	0.79

Contributing Papers (125)	
Contributing Papers are core and co-citing papers conforming the Emerging Topic	
Core/Co-citing	Years
All	2023
Document types	Article
Title	Core/Co-citing
Gender and retention patterns among US faculty	Core & Co-citing
Gender, Racial, and Ethnic Inequities in Receipt of Multiple National Institutes of Health Research Project Grants	Co-citing
Gender inequality and self-publication are common among academic editors	Core & Co-citing
Exploring Gender Bias in Six Key Domains of Academic Science: An Adversarial Collaboration	Co-citing

Cercetările care depășesc granițele disciplinare au adesea un impact mai larg, deoarece pot fi aplicate în diverse contexte, și promovează o colaborare mai largă.

126 results from the Web of Science Core Collection for:	
WOS:001207361700013, WOS:000959695500001, WOS:000738349600001, WOS:000623682000001, WOS:000702380000017, WOS:001118907800001, WOS:000725825700006, WOS:000723040800001, WOS:000892528300001, WOS:000970635300001...	
Refined By: Publication Years: 2023 X Document Types: Article X Clear all	Analyze Results Citation Report
Refine results Export Refine	Sort by: Relevance < 1 of 3 >
Quick Filters	1 Expectation Violations, Expectation Change, and Expectation Persistence: The Scientific Landscape as Revealed by Bibliometric Network Analyses
Highly Cited Papers 6	Alanis, JCG; Strelow, AE; Panitz, C
Hot Papers 1	Apr 11 2023 COLLABRA-PSYCHOLOGY 9 (1)
Early Access 2	Expectation violations occur when there is a discrepancy between expected and perceived events or experiences. Often, however, expectations persist despite disconfirming evidence. Therefore, research on expectation violations, expectation change, and expectation persistence has been conducted in several fields of psychology with wide-ranging theor...
Open Access 92	Free Full Text from Publisher
Associated Data 11	Related records
Enriched Cited References 65	
Open publisher-invited reviews 3	
Publication Years	2 Invisible women: Gender representation in high school science courses across Australia
Show Final Publication Year	Ross, K; Galaulage, S; Sweeney, N
2023 126	Nov 2023 AUSTRALIAN JOURNAL OF EDUCATION 67 (3), pp.231-252
Document Types	Enriched Cited References
Article 126	The visibility of female role models in science is vital for engaging and retaining women in scientific fields. In this study, we analyse four senior secondary science courses delivered across the states and territories in Australia: Biology, Chemistry, Environmental Science, and Physics. We compared male and female representation within the science ...
	Free Full Text from Publisher
	Related records

Times Cited

542

Total

537

Without self-citations

77.43

Average per item



DEMO

Semnificația subiectelor emergente pentru diverse părți interesate

Anticiparea schimbărilor, inovarea eficientă, luarea de decizii care să se alinieze tendințelor



Cercetare și dezvoltare

Alinierea la cele mai recente tendințe, pentru a asigura relevanța și impactul, poate conduce la proiecte inovatoare, publicații în reviste cu impact ridicat și colaborări cu alți cercetători de vârf.



Consolidarea competitivității

Țările și agențiile guvernamentale pot utiliza informațiile din „Emerging Topics” pentru a se concentra asupra domeniilor care vor stimula creșterea economică și poziția de lider tehnologic pe scena mondială.



Colaborare strategică

Concentrându-se pe subiecte emergente, instituțiile academice pot încheia parteneriatele potrivite care stimulează inovarea și le consolidează poziția.



Elaborarea politicilor publice

Identificarea subiectelor emergente poate ajuta responsabilii politici să înțeleagă provocările și oportunitățile viitoare și să creeze reglementări orientate spre viitor, să aloce resursele în mod eficient și să sprijine inovarea.



Adaptarea la schimbări

Prin monitorizarea orizontului de cercetare, organizațiile sunt mai pregătite să își adapteze strategiile ca răspuns la schimbările rapide din tehnologie, reglementări sau nevoi societale.



Alocarea fondurilor

Agenții precum NIH, NSF sau Consiliul European de Cercetare utilizează informații privind subiectele emergente pentru a orienta prioritățile de finanțare, asigurându-se că investesc în domenii cu cel mai mare impact potențial. Cercetătorii își pot alinia propunerile la priorități pentru a-și crește șansele de a obține subvenții.

Descoperiți subiecte emergente pe orizontul cercetării



- Care sunt domeniile de cercetare noi și emergente?
 - Care subiecte emergente prezintă un grad ridicat de interdisciplinaritate?
 - Ce subiecte emergente din domeniul meu beneficiază cel mai mult de studiile interdisciplinare?
-



- Ce subiecte emergente se aliniază cu domeniile de interes ale instituției noastre?
 - Cum este unic portofoliul meu și unde se suprapune cu al altora?
 - Cum ne comparăm cu alți parteneri pentru a identifica avantajele competitive și lacunele?
-



- Care sunt cele mai importante organizații și autori implicați în aceste subiecte emergente?
- Care sunt agențiile de finanțare care sprijină domeniile emergente?
- Care sunt țările lider în aceste domenii?

Care sunt domeniile de cercetare noi și emergente?

Clarivate

Research Horizon Navigator™ Categories Emerging Topics Search by keywords or select a suggested category

Categories

Category Groups Category Lists

Category	Group(s)	Emerging Topics
Environmental Sciences	Biology & Biochemistry, Multidisciplinary	
Engineering, Electrical & Electronic	Engineering, Materials Science, Physics	
Materials Science, Multidisciplinary	Materials Science, Multidisciplinary	
Computer Science, Artificial Intelligence	Computer Science, Mathematics	
Biochemistry & Molecular Biology	Biology & Biochemistry, Chemistry	
Pharmacology & Pharmacy	Biology & Biochemistry, Chemistry, Medicine	
Energy & Fuels	Chemistry, Physics	
Oncology	Clinical Medicine	
Public, Environmental & Occupational Health	Clinical Medicine, Environment/Ecology	
Neurosciences	Biology & Biochemistry, Clinical Medicine	
Education & Educational Research	Multidisciplinary, Social Sciences, Education	
Plant Sciences	Plant & Animal Science	

Selectați *Category* pentru a naviga prin lista de subiecte emergente pentru a vizualiza articole, autori, reviste, organizații sau finanțatori implicați în descoperiri.

523 Emerging Topics

Primary Categories Environmental Sciences

Emerging Topics Filters Clear

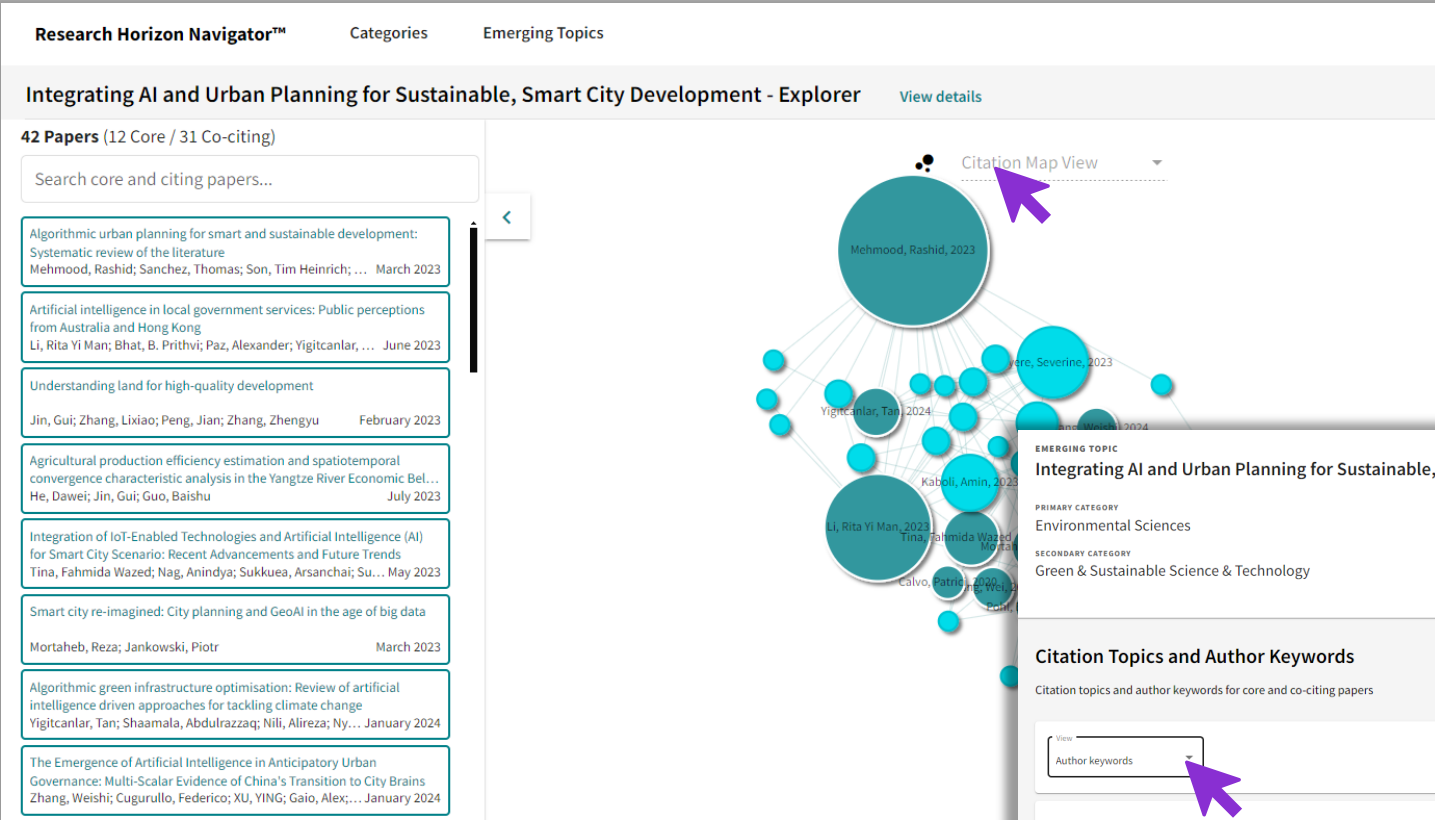
Search Emerging Topics

Primary Categories 1 Include Secondary Categories

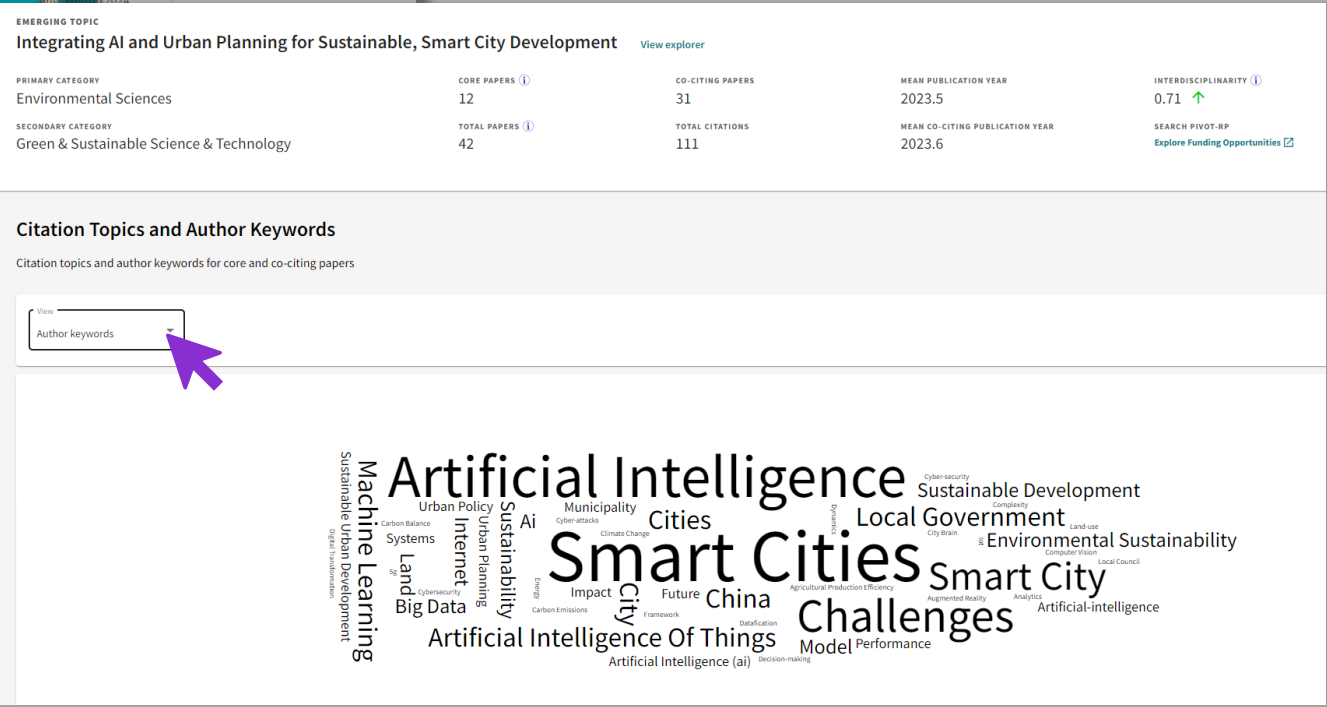
Search for Category

Emerging Topic	Primary Category	Secondary Category	Papers
Navigating Covid-19 Impacts and Responses in Indonesia: Insights and Strategies	Environmental Sciences	--	54
Integrating Mindsponge Theory and Environmental Consciousness for Sustainable Global Development	Environmental Sciences	Environmental Studies	37
Global Food Security Impacts of Conflict and Climate Change	Environmental Sciences	--	259
Exploring Factors Shaping Adoption of Health Technologies in Diverse Contexts	Environmental Sciences	--	223
Global Environmental Changes Amplify Zoonotic Disease Risks and Public Health Challenges	Environmental Sciences	--	343
Empowering Global Sustainability Through Citizen Science: Engagement, Education, and Environmental Impact	Environmental Sciences	Green & Sustainable Science & Technology	132
Far-UVC Light for Efficient Airborne Pathogen Inactivation and Surface Disinfection	Environmental Sciences	--	202
Integrating AI and Urban Planning for Sustainable, Smart City Development	Environmental Sciences	Green & Sustainable Science & Technology	42

Din ce sunt constituite subiectele emergente?



Vizualizați detaliile subiectului emergent selectat pentru a vedea indicatori suplimentari, subiecte de citare disponibile sau cuvinte cheie incluse care ar putea fi utilizate pentru explorarea sau descoperirea ulterioară a cercetărilor conexe.



Demonstrați contribuția dvs. la cercetarea de vârf

Organizații

Top Contributors

Organizations

Funding Agencies

Authors

Countries/Regions

Organization contributing core and/or co-citing papers to the emerging topic.

Rank

Total papers

	Organizations	Total papers / % of total papers		Core papers	Co-citing papers
1	Manchester Metropolitan University	12 / 8.00%	12	2 / 13.33%	11 / 8.03%
2	Hochschule Angewandte Wissenschaft Hamburg	8 / 5.33%	8	2 / 13.33%	7 / 5.11%
3	Universidade de Passo Fundo	7 / 4.67%	7	3 / 20.00%	5 / 3.65%
4	Universidade Federal de Santa Maria (UFSM)	5 / 3.33%	5	1 / 6.67%	4 / 2.92%
4	Universidade da Beira Interior	5 / 3.33%	5	1 / 6.67%	4 / 2.92%
6	University of Turin	4 / 2.67%	4	0 / 0.00%	4 / 2.92%
6	Universidade de Aveiro	4 / 2.67%	4	2 / 13.33%	2 / 1.46%

Înțelegeți dacă instituția dvs. este un contributor principal într-un anumit subiect emergent.

Autori

Top Contributors

Organizations

Funding Agencies

Authors

Countries/Regions

Authors contributing core and/or co-citing papers to the emerging topic.

Rank

Total papers

	Authors	Total papers / % of total papers		Core papers	Co-citing papers
1	Leal, Walter	8 / 5.33%	8	2 / 13.33%	7 / 5.11%
2	Paço, Arminda	5 / 3.33%	5	1 / 6.67%	4 / 2.92%
2	Salvia, Amanda Lange	5 / 3.33%	5	2 / 13.33%	4 / 2.92%
4	Brandli, Luciana L.	4 / 2.67%	4	2 / 13.33%	2 / 1.46%
5	D'Adamo, Idiano	3 / 2.00%	3	1 / 6.67%	3 / 2.19%
5	Azeiteiro, Ulisses Manuel de Miranda	3 / 2.00%	3	2 / 13.33%	1 / 0.73%
5	Avila, Lucas Veiga	3 / 2.00%	3	1 / 6.67%	2 / 1.46%

Descoperiți care sunt principalii lideri de opinie experți pe un anumit subiect emergent.

Elaborarea unei strategii pentru colaborare, recrutare, finanțare și resurse

Țări

Finanțatori

Top Contributors					
Organizations Funding Agencies Authors <u>Countries/Regions</u>					
Countries contributing core and/or co-citing papers to the emerging topic.					
Rank	Countries/Regions	Total papers / % of total papers	Core papers	Co-citing papers	
Total papers					
1	Spain	26 /17.33% 26	3 /20.00%	23 /16.79%	
2	Brazil	23 /15.33% 23	4 /26.67%	20 /14.60%	
3	England	22 /14.67% 22	3 /20.00%	20 /14.60%	
4	Germany (fed Rep Ger)	15 /10.00% 15	4 /26.67%	12 /8.76%	
5	Portugal	12 /8.00% 12	2 /13.33%	10 /7.30%	
5	USA	12 /8.00% 12	2 /13.33%	10 /7.30%	
7	Italy	11 /7.33% 11	1 /6.67%	11 /8.03%	

Identificarea țărilor care sunt lider într-un anumit subiect emergent

Top Contributors					
Organizations <u>Funding Agencies</u> Authors Countries/Regions					
Funding agencies contributing core and/or co-citing papers to the emerging topic.					
Rank	Funding Agencies	Total papers / % of total papers	Core papers	Co-citing papers	
Total papers					
1	Fundacao para a Ciencia e a Tecnologia (FCT)	6 /4.00% 6	2 /13.33%	4 /2.92%	
2	Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior (CAPES)	5 /3.33% 5	0 /0.00%	5 /3.65%	
3	Monash University	4 /2.67% 4	0 /0.00%	4 /2.92%	
4	Conselho Nacional de Desenvolvimento Cientifico e Tecnologico (CNPQ)	3 /2.00% 3	0 /0.00%	3 /2.19%	
5	European Union (EU)	2 /1.33% 2	1 /6.67%	1 /0.73%	
5	UK Research & Innovation (UKRI)	2 /1.33% 2	0 /0.00%	2 /1.46%	
5	Spanish Government	2 /1.33% 2	1 /6.67%	1 /0.73%	

Identificarea potențialelor agenții de finanțare pe care să le urmăriți în cadrul unui anumit subiect emergent.

Obținerea de avantaje competitive și stabilirea poziției de lider prin cercetări emergente

1269 Emerging Topics

Organization University of Zurich

Organizations 1

Search for Organization

☒ University of Zurich
☐ University Zurich Hospital
☐ Swiss Federal Institutes ...
☐ ETH Zurich
☐ University of London
☐ University of Bern
☐ University of California ...
☐ University of Geneva

Refine

Emerging Topic	Primary Category
Inequality and Inclusion in Science: Unveiling Bias and Advancing Diversity	Information Science & Library Science
Evaluating Academic and Technological Frontiers in Bibliometric and Environmental Sciences	Information Science & Library Science
Interpreting Machine Learning Models: From Feature Importance to Causal Insights	Computer Science & Artificial Intelligence
Advancing Bayesian Methods for Ecological and Psychological Data Analysis	Psychology, Experimental
Advancing Systematic Reviews: Methodological Quality, Bias Assessment, and Public Health Implications	Surgery
Evaluating Binary Classification: Advancements and Challenges in Imbalanced Data Analysis	Computer Science & Artificial Intelligence
Advancing Random Forests: Variable Selection in Predictive Modeling Across Disciplines	Mathematical & Computational

887 Emerging Topics

Organization University of Geneva

Organizations 1

Search for Organization

☒ University of Geneva
☐ University of Zurich
☐ University of Lausanne
☐ University of London
☐ University of Bern
☐ Centre National de la Re...
☐ Swiss Federal Institutes ...
☐ University of Basel

Refine

Emerging Topic	Primary Category
Inequality and Inclusion in Science: Unveiling Bias and Advancing Diversity	Information Science & Library Science
Evaluating Academic and Technological Frontiers in Bibliometric and Environmental Sciences	Information Science & Library Science
Advancing Health Sciences through Delphi Consensus and Technology Integration	Public, Environmental & Occupational Health
Interdisciplinary Insights into Covid-19: From Epidemic Dynamics to Therapeutic Opportunities	Physics, Multidisciplinary
Advancing Bayesian Methods for Ecological and Psychological Data Analysis	Psychology, Experimental
Advancing Systematic Reviews: Methodological Quality, Bias Assessment, and Public Health Implications	Surgery
Evaluating Binary Classification: Advancements and Challenges in Imbalanced Data Analysis	Computer Science, Artificial Intelligence

Abordarea subiectelor de cercetare emergente este esențială pentru ca universitățile să rămână relevante, competitive și cu impact într-un peisaj global în continuă evoluție. Aceasta contribuie la consolidarea reputației, la atragerea cadrelor didactice de top și la obținerea recunoașterii prin publicații în reviste cu impact ridicat, citări și clasamente.

Cum se aliniază organizația/țara mea la subiectele emergente?

Clarivate

Research Horizon Navigator™

Categories

Emerging Topics

1257 Emerging Topics

Organization
Ghent University

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Organizations 1

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☐ Ghent University Hospital

☐ KU Leuven

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☐ University of California ...

☐ University of Antwerp

☐ Centre National de la Re...

☐ Flanders Institute for Bi...

Refine

Countries/Regions

Web of Science Categories

Emerging Topic	Primary Category	Secondary Category	Papers
Advancements in Bioinformatics: From Protein Annotations to Genomic Insights and Environmental Adaptation	Biochemistry & Molecular Biology	--	4681
Integrative Insights into Pathway Analysis, Genomic Evolution, and Disease Mechanisms	Biochemistry & Molecular Biology	--	4175
Advancing Systematic Reviews: Methodological Quality, Bias Assessment, and Public Health Implications	Surgery	--	3906
Understanding Neurocognitive Decline: Insights from Dementia, Alzheimer's, and Brain Health	Neurosciences	--	2438
Integrative Analysis of Cancer Genomics and Immunotherapy Insights	Oncology	--	2294
Global Perspectives on Diabetes: Pathophysiology, Complications, and Therapeutics	Endocrinology & Metabolism	--	1982
Advancements in Human Genetic Variant Interpretation: From Prediction to Clinical Impact	Genetics & Heredity	--	1856
Reflexive Thematic Analysis in Health:	Public Environmenta		

Filtrați în funcție de organizație pentru a vedea în ce subiecte emergente și categorii sunt implicați cercetătorii dvs.. Acestea pot fi comparate cu alte domenii de cercetare pe care se concentrează instituția dvs. și, în continuare, pentru a stabili modul în care se aliniază cu strategia instituției.

Research Area	Web of Science Documents	% Highly Cited Papers	% Hot Papers
☐ ENGINEERING, ELECTRICAL & ELECTRONIC	4,131	0.39%	0%
☐ ENVIRONMENTAL SCIENCES	3,649	1.78%	0.05%
☐ MATERIALS SCIENCE, MULTIDISCIPLINARY	3,357	0.95%	0%
☐ BIOCHEMISTRY & MOLECULAR BIOLOGY	2,943	2.51%	0%
☐ ONCOLOGY	2,811	2.49%	0.07%
☐ VETERINARY SCIENCES	2,711	0.37%	0%
☐ PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	2,675	2.02%	0.11%
☐ PLANT SCIENCES	2,661	4.02%	0.11%

Reprezentarea principalelor domenii de interes ale instituției în cadrul subiectelor emergente

Field: Citation Topics Micro	Record Count
5.33.75 Gan	58
7.12.417 Retained Austenite	52
5.38.505 Photonic Crystal Fiber	46
2.76.39 Graphene	45
5.193.346 Thermoelectric Properties	39
2.298.761 Perovskite Solar Cells	38
7.272.538 Solder Joints	34
2.165.163 Hydroxyapatite	32
2.39.515 Ring-opening Polymerization	32
3.85.741 Chitosan	32
7.262.745 Energetic Materials	32
3.87.527 Wood	31
5.88.317 Metallic Glasses	30
2.78.53 Phosphors	25
7.109.1110 Laser Cladding	25

Domeniile de interes dominante ale instituției pot fi identificate prin analiza Citation Topics. Acestea pot fi comparate cu subiectele emergente pentru a evalua potențialul de inovare al instituției.

243 Emerging Topics

Document Keyword
GaN OR Generative adversarial networks

Emerging Topics Filters

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Primary Categories

Document Filters

Search Documents
X Generative adversarial networks

Organizations

Countries/Regions

Web of Science Categories

Funding Agencies

Authors

Emerging Topic	Primary Category	Secondary Category	Papers
Artificial Intelligence Revolutionizing Healthcare: Ethics, Precision, and Future Trends	Health Care Sciences & Services	--	203
Integrating Deep Learning and Artificial Intelligence in Medical Imaging Analysis	Mathematical & Computational Biology	--	121
Advancing Human Digital Twins in Healthcare: Innovations and Challenges	Engineering, Electrical & Electronic	--	81
Advancements in Deep Learning: Architectures, Applications, and Future Directions in Diverse Fields	Engineering, Electrical & Electronic	--	842
Advancing Wireless Networks and AI for Secure, Efficient Communication and Environmental Monitoring	Computer Science, Information Systems	Engineering, Electrical & Electronic	260
Advancements in Deep Learning Applications Across Engineering Domains	Engineering, Electrical & Electronic	--	95
Advancing Environmental and Technological Predictions with Deep Learning and Neural Networks	Computer Science, Artificial Intelligence	Engineering, Electrical & Electronic	163
Advancing Sustainable AI: Energy Efficiency and Carbon Reduction in Computing	Computer Science, Artificial Intelligence	--	377
Integrating Deep Learning and Radiomics for Precision Medicine in Oncology	Mathematical & Computational Biology	--	56
Mitigating Bias and Ensuring Fairness in AI for Medical Imaging	Computer Science, Artificial Intelligence	Radiology, Nuclear Medicine & Medical	278

Cât de emergent este subiectul de cercetare?

326 Emerging Topics

Document Keyword
cybersecurity

Document Filters ⓘ

Search Documents

X cybersecurity

1345 Emerging Topics

Document Keyword
Graphene

Document Filters ⓘ

Search Documents

X Graphene

Filtrele de documente caută în câmpurile fiecărei lucrări care contribuie la un subiect emergent. Rezultatele unei căutări de documente vor returna orice subiect emergent care are cel puțin o lucrare relevantă pentru termenul de căutare.

78 Emerging Topics

Document Keyword
Linear Matrix Inequalities

Document Filters ⓘ

Search Documents

X Linear Matrix Inequalities

20 Emerging Topics

Document Keyword
Boredom Proneness

Document Filters ⓘ

Search Documents

X Boredom Proneness

0 Emerging Topics

Document Keyword
turquoise management

Document Filters ⓘ

Search Documents

X turquoise management

Care sunt noile domenii de cercetare emergente care sunt încă de nișă?

Research Horizon Navigator™

CategoriesEmerging Topics

60 Emerging Topics

Primary CategoriesAgriculture, Dairy & Animal Science

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Include Secondary Categories

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☐ Agricultural Economics ...

☐ Agricultural Engineering

☐ Agriculture, Multidiscipl...

☐ Agronomy

☐ Allergy

☐ Anatomy & Morphology

Emerging Topic	Primary Category	Secondary Category	Papers	Mean co-citing publication year
Innovative Strategies for Sustainable Poultry Feed Production and Waste Management	Agriculture, Dairy & Animal Science	--	4	2024
Enhancing Poultry Health and Performance Through Nutritional Interventions	Agriculture, Dairy & Animal Science	--	4	2024
Mitochondrial Dysfunction, Autophagy, and Oxidative Stress in Reproductive Biology	Agriculture, Dairy & Animal Science	--	5	2024
Nutritional Strategies and Farrowing Assistance for Enhanced Colostrum Production in Hyperprolific Sows	Agriculture, Dairy & Animal Science	Veterinary Sciences	6	2024
Microbial Dynamics and Metabolism in Animal Agriculture	Agriculture, Dairy & Animal Science	--	6	2024
Enhancing Ruminant Nutrition and Health through Innovative Feed Additives	Agriculture, Dairy & Animal Science	Veterinary Sciences	6	2023
Enhancing Nutritional Practices and Gut Health in Livestock Management	Agriculture, Dairy & Animal Science	Veterinary Sciences	6	2023
Exploring Liver Abscesses in Cattle: Insights from Experimental Models	Agriculture, Dairy & Animal Science	--	7	2024
Advancements in Dairy Cow Health: Mastitis Prevention and Milk Quality Optimization	Agriculture, Dairy & Animal Science	Veterinary Sciences	7	2023.8

Prin sortarea listei de subiecte emergente puteți găsi acele subiecte recente care sunt încă reprezentate de un număr relativ mic de publicații. Aceasta poate indica o cerere potențială pentru mai multe descoperiri în acele

Explorarea contextului de subiecte emergente cu Web of Science

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+ Add Keywords Quick add keywords: < + smart cities + smart city + autonomous city + smart city planning + hybrid city + citizen-centered de

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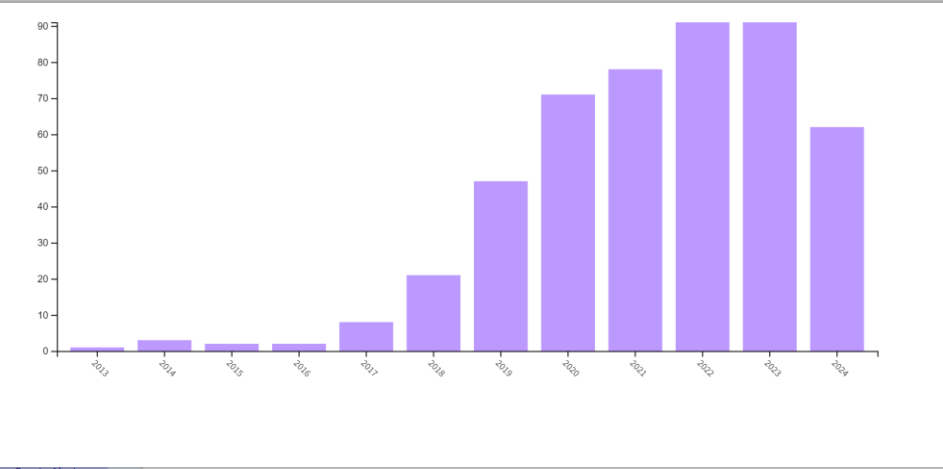
Quick Filters

Publication Years

0/477 Add To Marked List Export

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1 On big data, artificial intelligence and smart cities
Allam, Z and Dhunny, ZA
Jun 2019 | CITIES 89, pp.80-91
Cities are increasingly turning towards specialized technologies to address issues related to society, ecology, morphology and many others. The emerging concept of Smart Cities highly encourages this prospect by promoting the incorporation of sensors and Big Data through the Internet of Things (IoT). This surge of data brings new possibilities in the desi ... Show more
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The areas on the chart are not strictly proportional to the values of each entry

1 out of 1,738 entries (0.210%) do not contain data in the field being analyzed

	Field: Researcher Profiles	Record Count	% of 477
☐	Yigitcanlar, Tan	11	2.306%
☐	Cugurullo, Federico	7	1.468%
☐	Bibri, Simon Elias	5	1.048%



Vă mulțumesc

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