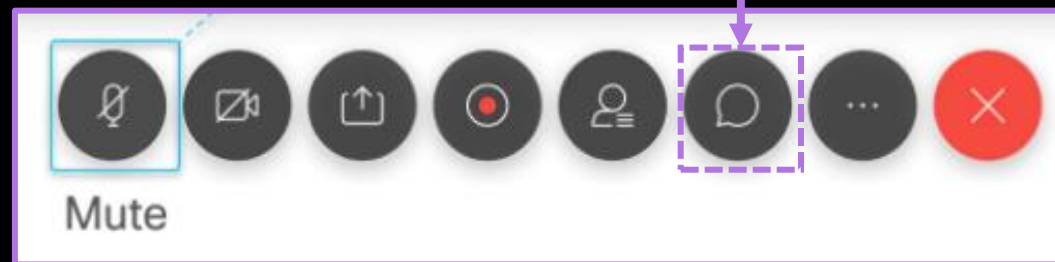


Vă mulțumesc pentru participare

Vom începe în scurt timp

Telefonul și/sau computerul dvs au fost dezactivate pentru a reduce zgomotul de fond.

Întrebările pot fi trimise prin **Chat**.



Web of Science
Journal Citation Reports
Essential Science Indicators
InCites

www.webofscience.com
www.jcr.clarivate.com
www.esi.clarivate.com
www.incites.clarivate.com

Portal de formare
<https://clarivate.com/academia-government/training-support/>

Site web regional
<https://clarivate.libguides.com/europe/romanian>

Adriana Filip

Senior Manager
Customer Success Consulting

Adriana.Filip@clarivate.com



Web of Science Community Forum - Înscrie-te astăzi!

Un grup virtual de utilizatori care conectează la echipa de produse Web of Science și la colegii dvs.



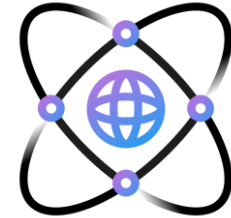
Furnizarea de feedback privind produsele

Ajutați la modelarea noilor funcționalități și a viziunii pe termen lung pentru platforma Web of Science.



Învățarea de la colegi

Participați la discuții animate, descoperiți noi abordări pentru rezolvarea problemelor și împărtășiți exemple de succes.



Extinderea rețelei

Intrați în contact cu bibliotecari din instituții din întreaga lume și asociați-vă cu Clarivate în cadrul inițiativelor din industrie.



Explorați, analizați și anticipați: cartografierea cercetării într-un domeniu

Mai 2025

Scheme de clasificare (Research Area Schemas)

Citation Topics

Essential Science Indicators (ESI)
Emerging Topics
European Research Council (ERC)
Global Institution Profiles Project (GIPP)
OECD
Shanghai GRAS

Sustainable Development Goals

Web of Science

ANVUR

Australia FOR Level 1

Australia FOR Level 2

CAPEs

China SCADC Subject Categories

FAPESP

KAKEN - L2 (Bunya2 -H20) (10)

KAKEN - L3 (Bunya3 -H20) (66)

PL19

Research and Innovation Strategies for Specialization (RIS3)

UK RAE (2008)

UK REF (2014)

UK REF (2021)

Research Horizon Navigator

Descoperiți noi subiecte care apar la orizontul cercetării



Inovați în domenii rapide

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



Investiți în domenii interdisciplinare

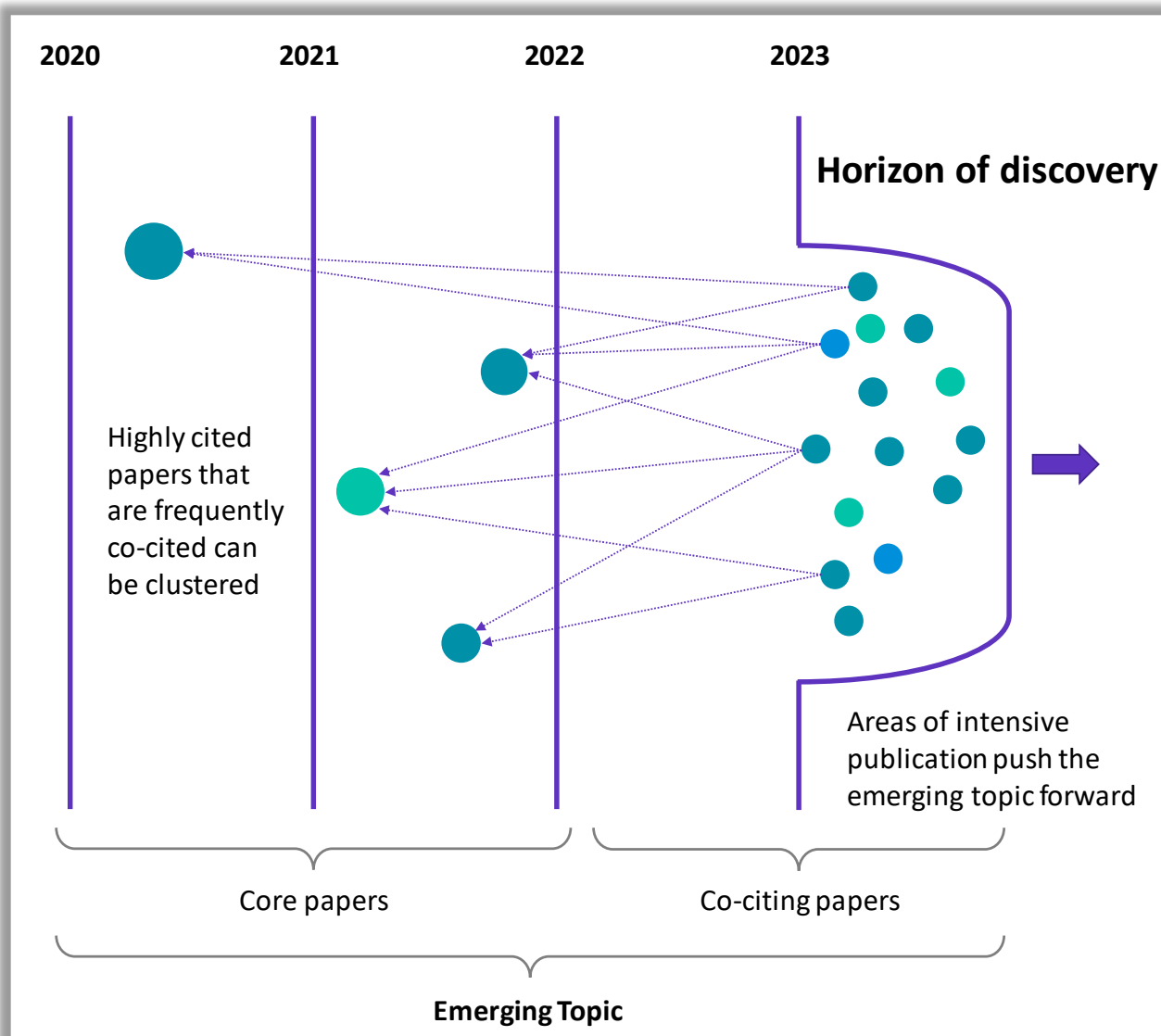
Descoperiți domeniile emergente pe baza interdisciplinarității lor.



Asigurați fundamentarea strategiei și a politicii

Rămâneți la curent cu tendințele cercetării pentru a lua decizii strategice privind parteneriatele, talentul, finanțarea și resursele.

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.

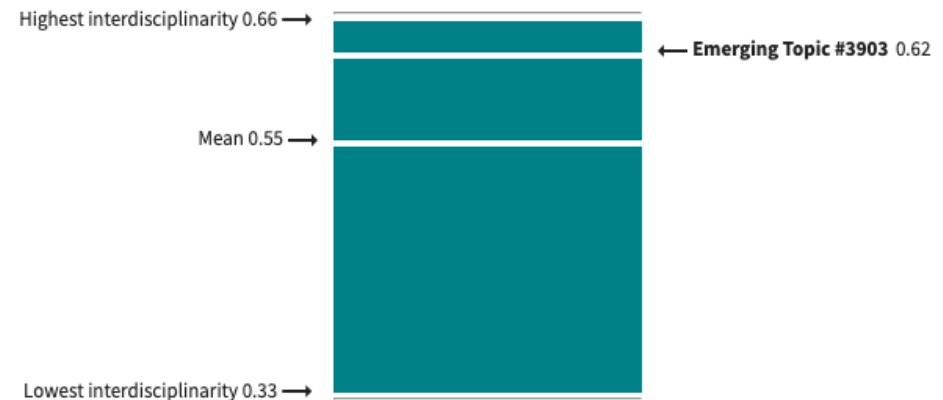


Plasați indexul în contextul setului de date selectat pentru a înțelege dacă subiectul emergent este restrâns sau divers.



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](#)

Research Horizon Navigator



- Care sunt domeniile de cercetare noi și emergente?
- Ce 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 colegii 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?

Explorarea unui subiect de actualitate sau emergent

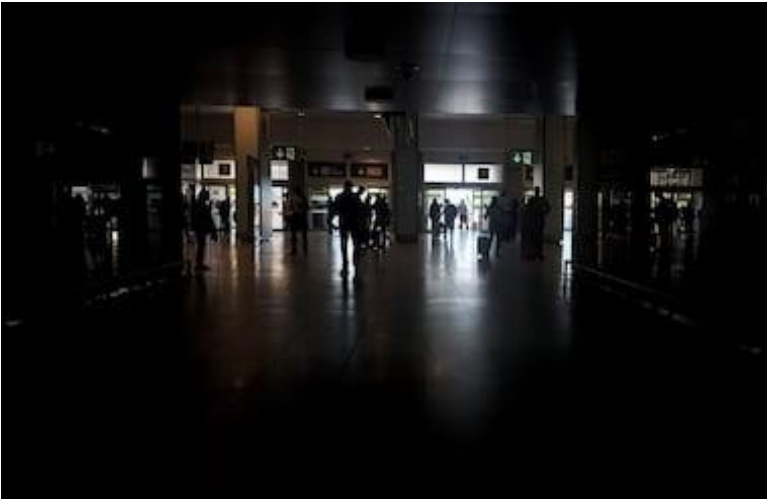
Un eveniment recent

O pană de curent majoră în Spania și Portugalia pe 28 aprilie 2025

AP AP News

Massive power outage in Spain and Portugal leaves thousands stranded and millions without light

A blackout has brought much of Spain and Portugal to a standstill, affecting millions of people. The Spanish power distributor calls it...



Terminal 21 at Barajas airport without power



Sol Metro station in Madrid, closed due to the power outage



Firefighters in A Coruña work to remove people trapped in an elevator during the blackout

Pictures: <https://english.elpais.com/spain/2025-04-28/images-of-the-massive-blackout-in-spain.html>

Energy Systems Optimization

Să ne concentrăm pe un subiect specific

Energy Systems Optimization (ESO) este un domeniu multidisciplinar axat pe metode inteligente de utilizare a energiei într-un mod mai eficient.

- ✓ Are impact asupra locuințelor, afacerilor, fabricilor și orașelor pentru a gestiona mai bine energia
- ✓ Găsirea celor mai bune modalități de a produce, distribui și utiliza energia în mod eficient
- ✓ Pentru a economisi bani, a reduce poluarea și a garanta că energia este disponibilă atunci când este necesar
- ✓ Pentru a avea o aprovizionare cu energie fiabilă, curată și rentabilă pentru toată lumea.

Căutare în literatura de specialitate și analiza peisajului în Web of Science

Web of Science Core Collection (Journals, Conference Proceedings & Books)

+ Add Keywords Quick add keywords: < + integrated energy system + optimization + energy management + multi-objective optimization + energy optimization >

176,147 Documents

You may also like...

Analyze Results

Citation Report

Create Alert

Web of Science™

Smart Search **Advanced Search** Research Assistant

MENU

DOCUMENTS

Search in: Web of Science Core Collection Editions: All

FIELD SEARCH

QUERY BUILDER

CITED REFERENCES

Topic

Example: oil spill* mediterranean
Energy Systems Optimization

+ Add row

+ Add date range

Quick Filters

☐ Highly Cited Papers

1,741

☐ Hot Papers

53

☐ Review Article

7,616

☐ Early Access

1,704

☐ Open Access

60,627

☐ Associated Data

240

☐ Enriched Cited References

44,684

☐ Open publisher-invited reviews

238

Researcher Profiles

☒ Show Researcher Profiles

☐ Huang, Guohe

223

☐ Kamel, Salah

209

☐ Marechal, Francois

205

☐ Catalão, João P. S.

202

☐ Guerrero, Josep M.

202

See all >

Publication Titles

☐ ENERGY

6,269

☐ ENERGIES

5,861

☐ APPLIED ENERGY

4,833

☐ ENERGY CONVERSION AND MANAGE...

3,712

☐ IEEE ACCESS

3,135

See all >

Citation Topics Micro

☐ 4.18.204 Smart Grid Optimization

15,651

☐ 4.18.204 Distributed Generation

9,648

☐ 7.70.919 Energy Systems Optimization

7,935

☐ 4.18.788 Electric Vehicles

6,304

☐ 4.18.296 Energy Forecasting

5,199

See all >

Web of Science Categories

☐ Energy Fuels

58,709

☐ Engineering Electrical Electronic

45,517

☐ Thermodynamics

17,944

☐ Telecommunications

15,565

☐ Green Sustainable Science Technol...

15,237

See all >

Funding Agencies

☐ NATIONAL NATURAL SCIENCE FOU...

28,699

☐ NATIONAL SCIENCE FOUNDATION NSF

4,594

☐ FUNDAMENTAL RESEARCH FUNDS F...

4,336

☐ EUROPEAN UNION EU

4,223

☐ NATIONAL KEY RESEARCH DEVELOP...

3,832

See all >

Căutare în literatura de specialitate și analiza peisajului în Web of Science

All databases (including patents, grants, datasets, dissertations & theses and other content types)

DOCUMENTS

Search in: All Databases ^ Collections: All v

FIELD SEARCH

Topic

+ Add row

All Databases

Web of Science Core Collection

Arabic Citation Index

Biological Abstracts

BIOSIS Citation Index

BIOSIS Previews

Current Contents Connect

Chinese Science Citation DatabaseSM

CABI: CAB Abstracts® and Global Health®

Data Citation Index

FIELD SEARCH

QUERY BUILDER

CITED REFERENCES

Topic

Example: oil spill* mediterranean

Energy Systems Optimization

+ Add row

+ Add date range

<input checked="" type="checkbox"/> Article	253,663	<input type="checkbox"/> Editorial Material	443	<input type="checkbox"/> Retraction	23
<input type="checkbox"/> Meeting	116,063	<input type="checkbox"/> Retracted Publication	409	<input type="checkbox"/> Case Report	20
<input checked="" type="checkbox"/> Patent	29,790	<input checked="" type="checkbox"/> Thesis Dissertation	398	<input type="checkbox"/> Multimedia	14
<input checked="" type="checkbox"/> Dissertation Thesis	15,568	<input type="checkbox"/> Abstract	333	<input type="checkbox"/> News	8
<input checked="" type="checkbox"/> Review Article	10,397	<input type="checkbox"/> Letter	116	<input type="checkbox"/> Publication With Expression Of Concern	6
<input type="checkbox"/> Other	5,204	<input type="checkbox"/> Report	103	<input type="checkbox"/> Unspecified	6
<input checked="" type="checkbox"/> Awarded Grant	4,696	<input type="checkbox"/> Clinical Trial	92	<input type="checkbox"/> Reference Material	3
<input checked="" type="checkbox"/> Data Set	2,335	<input checked="" type="checkbox"/> Data Study	70	<input type="checkbox"/> Standard	3
<input type="checkbox"/> Early Access	1,861	<input checked="" type="checkbox"/> Data Paper	50	<input type="checkbox"/> Biography	1
<input checked="" type="checkbox"/> Book	1,550	<input type="checkbox"/> Correction	32	<input type="checkbox"/> Withdrawn Publication	1

Cancel

Exclude

Refine

Înțelegerea subiectului cu ajutorul Web of Science Research Assistant

Advanced Search

Research Assistant

Jamal El Ouahi

I am going to walk you through understanding a topic. What is your topic of interest or research question?

Energy Systems Optimization

JE

Overview:

The abstracts highlight significant advancements in "energy minimization techniques", "graph cut algorithms", and "active contour models" within the field of computer vision. These themes reflect the ongoing efforts to improve image processing tasks such as segmentation, restoration, and object detection through innovative algorithmic approaches.

Energy Minimization Techniques:

- Energy minimization is crucial for tasks like image restoration and segmentation, where the goal is to assign labels to pixels while preserving sharp discontinuities ①.
- Various algorithms have been developed to approximate global energy minimization, with a focus on efficient local minima finding through large moves ②.
- The total variation minimization approach is highlighted as a method for denoising images while maintaining sharp edges, demonstrating state-of-the-art performance on noisy images ③.

Graph Cut Algorithms:

- Graph cuts have emerged as a powerful tool for minimizing energy functions in computer vision, particularly for binary variables ②.
- The complexity of graph constructions limits their application, but recent characterizations have made it easier to apply these methods to a wider range of vision problems ②.
- Experimental comparisons of min-cut/max-flow algorithms indicate that new algorithms can achieve near real-time performance, significantly improving efficiency in practical applications ①.

Active Contour Models:

- Active contour models based on curve evolution techniques are proposed for detecting objects without relying solely on gradient-defined boundaries ①.
- The model minimizes an energy related to segmentation, allowing for the detection of objects even when initial curves are placed arbitrarily in the image ①.
- Numerical algorithms using finite differences are presented, showcasing the model's effectiveness in scenarios where traditional methods fail ①.

Conclusion:

The advancements in energy minimization techniques, graph cut algorithms, and active contour models represent significant progress in computer vision. These developments enhance the ability to perform complex image processing tasks, leading to improved accuracy and efficiency in applications such as image restoration and object detection.

[See less](#)


  Copy Text

Here are some seminal papers:

① Fast approximate energy minimization via graph cuts

4,970
Citations

 Co-citation map


 Citing items by classification chart

Boykov, Y; Veksler, O and Zabih, R
NOV 2001 | IEEE TRANSACTIONS ON PATTERN
ANALYSIS AND MACHINE INTELLIGENCE ▾

② What energy functions can be minimized via graph cuts?

1,995
Citations

 Co-citation map

 Citing items by classification chart

Kolmogorov, V and Zabih, R
FEB 2004 | IEEE TRANSACTIONS ON PATTERN
ANALYSIS AND MACHINE INTELLIGENCE ▾

Înțelegerea subiectului cu ajutorul Web of Science Research Assistant

Analiză detaliată, lacune în cercetare, puncte critice și ipoteze potențiale

Start your literature review

Tell the Research Assistant about the topic or task for your literature review

Create detailed literature review

Identify research gaps

Find hotspots

Formulate hypothesis

Thank you for your query. To provide you with the best information, could you please specify what you are looking for in the context of "Energy Systems Optimization"? Here are a few options to consider:

- Literature Review:** A comprehensive overview of recent research on energy systems optimization.
- Research Gaps:** Identification of current gaps in the research on energy systems optimization.
- Research Hotspots:** Highlighting the current hotspots in the field of energy systems optimization.
- Hypothesis Formulation:** Assistance in forming potential hypotheses for future research in energy systems optimization.

Please let me know which option you are interested in, or if there are any specific aspects or subtopics you would like to focus on.

literature review

JE

Web of Science Research Assistant

Literature Review

Great! A literature review on "Energy Systems Optimization" can cover a wide range of topics. To make sure we focus on the most relevant aspects for your needs, could you please specify if there are any particular subtopics or themes you are interested in? Here are a few suggestions to consider:

1. **Renewable Energy Integration:** How optimization techniques are applied to integrate renewable energy sources.

2. **Grid Management:** Optimization for managing and stabilizing power grids.

3. **Energy Storage Solutions:** Optimization strategies for energy storage and management.

4. **Demand Response:** Techniques for optimizing energy systems in response to consumer demand.

5. **Sustainability and Efficiency:** Approaches to improve the sustainability and efficiency of energy systems.

Feel free to select one or more of these subtopics, or suggest another area you are interested in exploring.

Thank you for specifying your interest in grid management within the context of energy systems optimization. To ensure a comprehensive search, I'll include various related terms and synonyms. Here's an initial strategy draft:

• **Main Topic:** Energy Systems Optimization

• **Subtopic:** Grid Management

• **Keywords/Synonyms:** Power grid stabilization, electrical grid optimization, smart grid management, grid reliability enhancement

Do you have any suggestions or modifications to this search strategy? If you're satisfied with it, we can proceed to the next step.

Great! Now, let's consider the time restriction for the search. To ensure the relevance and freshness of the articles, I suggest restricting the search results to the last 10 years. Would you like to proceed with this time frame, or do you have a different period in mind?

last 10 years

JE

Thank you for confirming the time frame. We'll restrict the search to articles from the last 10 years.

Next, I'll outline the output format for the literature review:

• **Introduction:** Overview of energy systems optimization in grid management.

• **Common Themes/Key Findings:** Analysis of common themes and key findings across the articles.

• **Gaps in Research:** Identification of current gaps in the research.

• **Conclusion:** Summary of the findings.

• **Potential Hypotheses:** Suggestions for potential hypotheses for future research.


• **Referenced Documents:** Full citation of all articles used.

Please confirm if this format is suitable for your needs, or suggest any adjustments.

We have found a total of 9156 articles on the topic of "Energy Systems Optimization" with a focus on grid management in the last 10 years. For this literature review, we will use the default number of 25 articles to ensure a comprehensive analysis. Please confirm if this number is suitable for you, or if you would like to adjust it to include more articles (up to 50).

it's suitable

JE



Web of Science Research Assistant

Literature Review

Thank you for confirming. I will now proceed to create the literature review of common themes and key findings, identification of research documents.

Introduction

The optimization of energy systems with a focus on grid management integration of renewable energy sources. Grid management involves v reliability, and sustainability of power systems. This literature review e optimization, particularly in grid management, over the past decade.

Common Themes/Key Findings

1. **Smart Energy Management:** Multiple studies highlight the importance of smart energy management systems in optimizing residential, commercial, and industrial energy consumption using advanced algorithms [Yuvaraj et al., 2025; Qayyum et al., 2025].
2. **Demand Response and Blockchain:** Integration of blockchain technology in energy transactions and demand response mechanisms, offering improved security and efficiency [Ramesh et al., 2025].
3. **Integrated Energy Systems:** The optimization of integrated systems has been shown to significantly enhance grid efficiency and profitability, especially in the context of renewable energy integration [Chen et al., 2025].
4. **Artificial Intelligence in Grid Systems:** AI technologies are increasingly being used to optimize energy systems, facilitating intelligent grid operations and enhancing the reliability of power distribution [Yuvaraj et al., 2025].
5. **Energy Storage Solutions:** Studies emphasize the role of energy storage in optimizing grid operations and reducing dependency on fossil fuels [Ramesh et al., 2025].
6. **Grid-Integrated Photovoltaic Systems:** Optimization models for grid-integrated photovoltaic systems have shown significant benefits in load shifting and grid robustness, with improvements in energy efficiency [Yuvaraj et al., 2025].

Gaps in Research

1. **Scalability of Optimization Algorithms:** While many optimization algorithms are effective, their scalability for large grid systems remains a challenge that needs further exploration [Jarrah et al., 2015].
2. **Integration of Electric Vehicles:** The impact of electric vehicles on grid management is a growing area of interest, with potential research needed in optimizing charging behaviors and integration with grid systems [Li et al., 2024].
3. **Hybrid Energy Systems:** The optimization of hybrid renewable energy systems, particularly in off-grid and remote locations, requires more detailed studies to improve system reliability and cost-effectiveness [Guven et al., 2024].
4. **Advanced Forecasting Techniques:** Improved forecasting methods for energy production and grid demand are essential for more accurate optimization and management strategies [Mumtahina et al., 2025].

Conclusion

The literature on energy systems optimization for grid management reveals significant advancements in smart energy technologies, integrated systems, and AI applications. However, challenges remain in scalability, EV integration, hybrid systems, and forecasting techniques. Addressing these gaps will be crucial for developing robust and sustainable energy infrastructure.

Potential Hypotheses

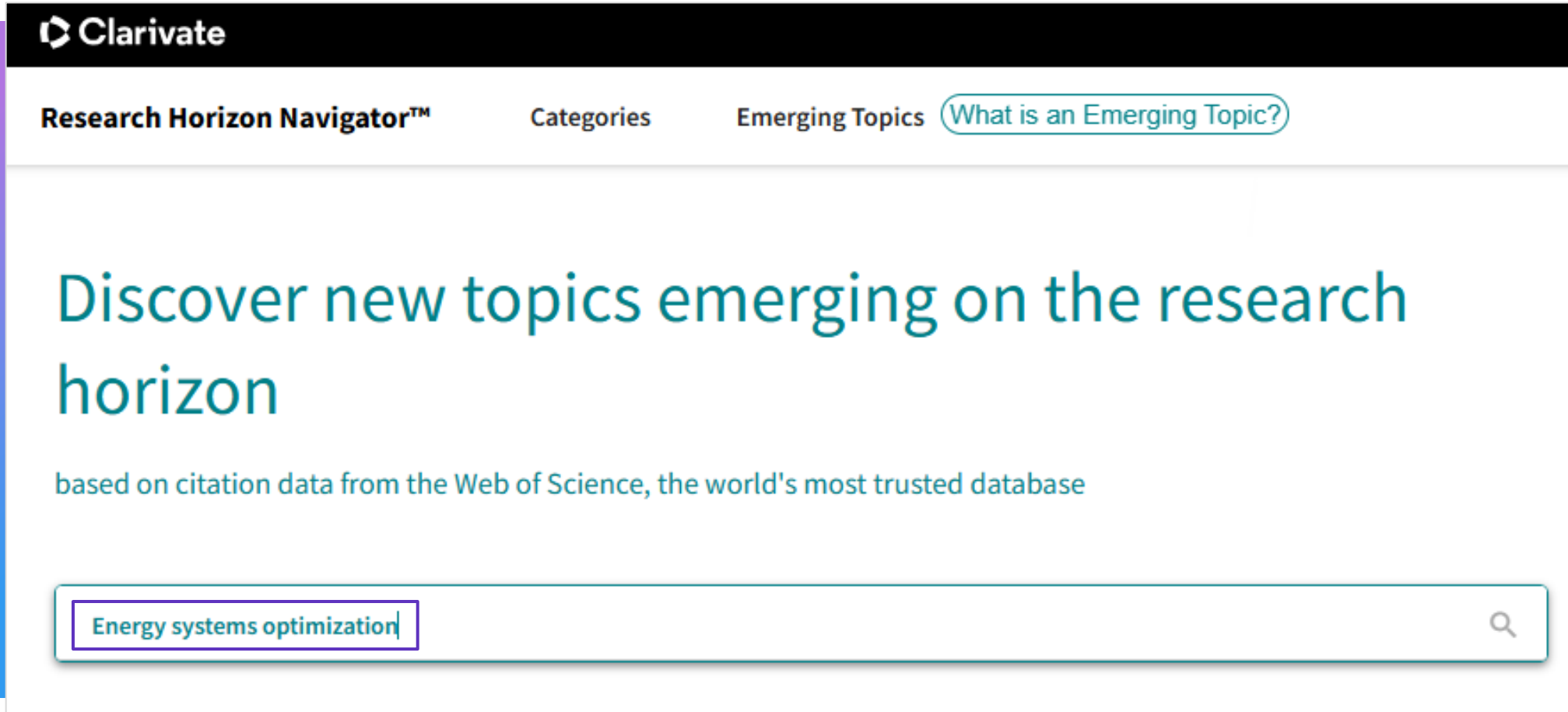
1. Implementing AI-driven smart grid management systems will significantly improve grid resilience and efficiency under varying energy demands.
2. Blockchain technology can enhance the security and efficiency of energy transactions in grid management systems.
3. The integration of electric vehicles into grid systems will lead to improved load balancing and energy optimization.
4. Hybrid renewable energy systems, when optimized using advanced algorithms, will offer reliable and cost-effective solutions for remote areas.
5. Advanced forecasting techniques will reduce the unpredictability of renewable energy production and improve grid management strategies.

Referenced Documents

- [Yuvaraj et al., 2025]
- [Ramesh et al., 2025]

Explorarea subiectelor emergente în Research Horizon Navigator (InCites)

Energy Systems Optimization




The screenshot displays the Clarivate Research Horizon Navigator interface. At the top, the Clarivate logo is on the left, and navigation links for 'Research Horizon Navigator™', 'Categories', 'Emerging Topics', and a link 'What is an Emerging Topic?' are on the right. The main heading reads 'Discover new topics emerging on the research horizon', followed by the text 'based on citation data from the Web of Science, the world's most trusted database'. A search bar at the bottom contains the text 'Energy systems optimization' and a magnifying glass icon.

Descoperirea locurilor în care este posibil să apară viitoare descoperiri în ESO


Vizualizați toate subiectele emergente și filtrați-le în funcție de nevoile dvs.

Navigați printre subiectele emergente enumerate pentru a vizualiza articolele, autorii, revistele, organizațiile sau finanțatorii implicați în aceste descoperiri.



Filter the emerging topics list by:

- Keywords
- Category



Filter the Documents by:

- Author
- Institution
- Country
- More...

738 Emerging Topics

Document Keyword
Energy systems optimization

Emerging Topics Filters

Clear

Search Emerging To... Q

Emerging Topics Categories

Search for Category Q

☐ Advanced energy storag...
☐ Advanced fluid dynamics
☐ Advanced materials eng...
☐ Advanced sensing and i...
☐ AI and virtual technolog...
☐ Cancer and immunothe...
☐ Catalysis and photocata...
☐ COVID-19 and vaccinati...

Emerging Topic	Emerging Topic Category	Primary Category	Matched Papers (Total)	Mean co-citing publication year	Interdisciplinarity	Matched Core Papers (Total)
Energy Management and Scheduling in Smart Microgrids and Communities	Energy systems optimization	Energy & Fuels	79 (261)	2023.4	0.54	6 (22)
Energy Storage Systems: Technologies, Applications, and Environmental Impacts	Energy systems optimization	Energy & Fuels	61 (381)	2023.3	0.57	2 (12)
Advanced MPPT Techniques for Photovoltaic Systems Under Shading	Energy systems optimization	Engineering, Electrical & Electronic	60 (302)	2023.1	0.54	5 (22)
Resilience Strategies for Power Systems	Energy systems	Engineering, Electrical &	50 (245)	2023	0.55	4 (16)

Vizualizări interactive care demonstrează relațiile dintre documente

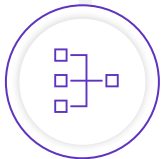
© 2025 Clarivate Legal center Privacy notice Cookie policy Manage Cookie Preferences

Analizați în detaliu un subiect emergent

Înțelegerea a ceea ce alcătuiește subiectul emergent



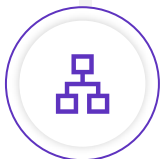
Verificarea categoriilor care sunt proeminente



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



Aprecierea caracterului recent al subiectului folosind anul mediu de publicare



Utilizarea wordcloud pentru a vedea ce subiecte alcătuiesc subiectul emergent

EMERGING TOPIC

Energy Management and Scheduling in Smart Microgrids and Communities

[View explorer](#)

EMERGING TOPIC CATEGORY

Energy systems optimization

PRIMARY CATEGORY

Energy & Fuels

CORE PAPERS ⓘ

22

CO-CITING PAPERS

251

MEAN PUBLICATION YEAR

2023.3

INTERDISCIPLINARITY ⓘ

0.54 ↑

SECONDARY CATEGORY

Engineering, Electrical & Electronic

TOTAL PAPERS ⓘ

261

TOTAL CITATIONS

1357

MEAN CO-CITING PUBLICATION YEAR

2023.4

SEARCH PIVOT-RP

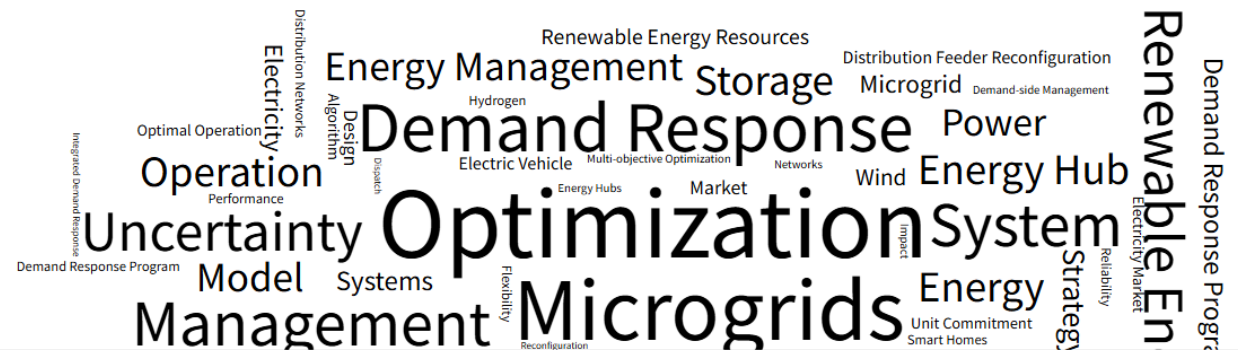
[Explore Funding Opportunities](#)

Citation Topics and Author Keywords

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

View

Author keywords



Citation topics în Emerging Topic

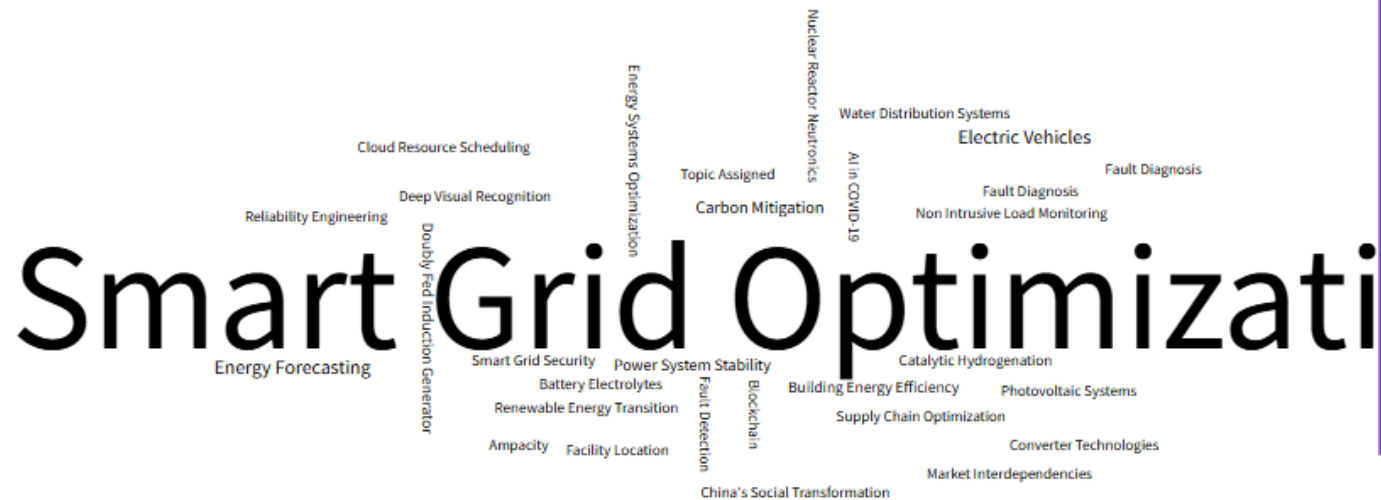
Citation Topics and Author Keywords

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

Meso topics

Micro topics

Author keywords



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

Care sunt noile domenii emergente ale cercetării privind „Energy systems optimization” care sunt încă de nișă ?

738 Emerging Topics

Document Keyword
Energy systems optimization

Emerging Topics Filters Clear

Search Emerging Topics

Emerging Topics Categories

Search for Category

- ☐ Advanced energy storag...
- ☐ Advanced fluid dynamics
- ☐ Advanced materials eng...
- ☐ Advanced sensing and i...
- ☐ AI and virtual technolog...
- ☐ Cancer and immunothe...
- ☐ Catalysis and electroc...

Emerging Topic	Emerging Topic Category	Primary Category	Matched Papers (Total)
Hydrogen Integration in Smart Grids and Energy Systems	Energy systems optimization	Energy & Fuels	1 (4)
Smart Grid Innovations for Sustainable Connectivity and Security	Energy systems optimization	Environmental Sciences	1 (4)
Integration of Renewable Energy in Transportation Systems	Energy systems optimization	Green & Sustainable Science & Technology	1 (5)
Sustainability and Control of Indoor Air Quality Systems	Energy systems optimization	Construction & Building Technology	1 (5)

Prin filtrarea listei de „Emerging Topics” 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 acel domeniu specific.

**Identificarea principalelor lucrări, reviste,
autori și instituții**

Contribuții la Energy Management and Scheduling in Smart Microgrids & Communities

Contributing Papers (261)

[View all in Web of Science](#)

Contributing Papers are core and co-citing papers conforming the Emerging Topic

Core/Co-citing

Years

Document types

Vizualizați-le în Web of Science pentru analiză suplimentară

Title	Core/Co-citing	Authors	Journal	Year	Citations	↓	Document types
Energy management in microgrids including smart homes: A multi-objective approach	Core	Nematbakhsh, Emad; Ahmarinejad, Amir; Mansouri, Seyed Amir et al.	Sustain Cities Soc	2021	141		Article
A sustainable framework for multi-microgrids energy management in automated distribution network by considering smart homes and high penetration of renewable energy resources	Core & Co-citing	Javadi, Mohammad Sadegh; Ahmarinejad, Amir; Mansouri, Seyed Amir et al.	Energy	2022	124		Article
A Multi-objective dynamic framework for design of energy hub by considering energy storage system, power-to-gas technology and integrated demand response program	Core	Nematbakhsh, Emad; Matin, SA; Javadi, Mohammad Sadegh et al.	J Energy Storage	2022	118		Article
A multi-stage joint planning and operation model for energy hubs considering integrated demand response programs	Core & Co-citing	Esmaeel Nezhad, Ali; Javadi, Mohammad Sadegh; Catalão, João P. S. et al.	Int J Elec Power	2022	115		Article
A hierarchical scheduling framework for resilience enhancement of decentralized renewable-based microgrids considering proactive actions and mobile units	Core & Co-citing	Marzband, Mousa; Nematbakhsh, Emad; Javadi, Mohammad Sadegh et al.	Renew Sust Energ Rev	2022	111		Article

Explorați contextul acestui subiect cu Web of Science

Navigarea către un peisaj de cercetare mai larg

Web of Science™ Smart Search Advanced Search Research Assistant Jamal El Ouahi

261 results from the Web of Science Core Collection for:

WOS:001004462000001, WOS:001427257300001, WOS:001243061800001, WOS:001119386800001, WOS:000804763300008, WOS:001023026800001, WOS:000793181800001, WOS:001082157600001, WOS:001264884900001, WOS:001091992200001...

[Copy query link](#)

[Analyze Results](#) [Citation Report](#)

Refine results [Export Refine](#)

Search within results...

Quick Filters

- ☐ Highly Cited Papers 19
- ☐ Hot Papers 1
- ☐ Review Article 15
- ☐ Early Access 7
- ☐ Open Access 83
- ☐ Enriched Cited References 155
- ☐ Open publisher-invited reviews 1

☐ 0/261 [Add To Marked List](#) [Export](#) [Sort by Relevance](#) < 1 of 6 >

☐ 1 **Integrated Demand Response Programs in Energy Hubs: A Review of Applications, Classifications, Models and Future Directions** 8 Citations 72 References

Kamwa, I; Bagherzadeh, L and Delavari, A

May 31 2023 | **ENERGIES** 16 (11)

In the traditional power system, customers respond to their primary electricity consumption pattern based on price or incentive to take additional advantages. By developing ene ... [Show more](#)

[Free Full Text from Publisher](#) [View Full Text on ProQuest](#)

Analiza publicațiilor din Web of Science poate oferi o viziune completă asupra peisajului cercetării asociate cu acest subiect emergent.

Surse principale care publică conținut pe *Energy Management and Scheduling in Smart Microgrids and Communities*



InCites oferă indicatori multipli la nivel de revistă

InCites
Analyze ▾
Report ▾
Organize ▾
My Organization
Research Horizon Navigator™

Publication Sources ▾
Source Name ▾ e.g. Nature

Time Period: 1980 to 2025 ✕
Schema: Emerging Topics ✕
Level: Micro ✕
Research Area: Energy Management and Scheduling in Smart Microgrids and Communities ✕
Clear all filters

Filters Indicators Baselines

Narrow the results in the table.

Dataset

InCites Dataset ▾

☒ Include ESCI documents ⓘ

Publication Date

1980 ▾

START

2025 ▾

END

< Select a different range

InCites dataset updated Apr 29, 2025. Includes Web of Science content indexed through Mar 31, 2025.

TABLE

VISUAL

56 publication sources (261 documents)

Find in table ▾
Sorted by Web of Science Documents ▾
Add indicator

Publication Source Name ...	Web of Science Documents ▴ ▾ ...	Times Cited ...	% Documents Cited ...	Journal Normalized Citation Impact ...	Journal Impact Factor ...	Average JIF Percentile ...	JIF Quartile ...
<input type="checkbox"/> JOURNAL OF ENERGY STORAGE	47	948	89.36%	1.4	8.9	83.30	Q1
<input type="checkbox"/> ENERGY	23	290	65.22%	1.12	9.0	91.55	Q1
<input type="checkbox"/> ELECTRIC POWER SYSTEMS RESEARCH	16	37	43.75%	0.58	3.3	64.20	Q2
<input type="checkbox"/> INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS	15	345	93.33%	3.62	5.0	81.70	Q1
<input type="checkbox"/> APPLIED ENERGY	14	499	85.71%	3.17	10.1	91.50	Q1
<input type="checkbox"/> SUSTAINABLE CITIES AND SOCIETY	12	419	83.33%	1.64	10.5	92.23	Q1
<input type="checkbox"/> ENERGY AND BUILDINGS	11	96	81.82%	1.04	6.6	85.37	Q1
<input type="checkbox"/> ENERGIES	9	53	77.78%	1.1	3.0	37.10	Q3

Identificarea actorilor-cheie activi pe *Energy Management and Scheduling in Smart Microgrids and Communities*

Cu ajutorul Research Horizon Navigator, puteți identifica organizațiile lider într-un anumit subiect emergent

Organizații

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	Islamic Azad University	61 /23.37%	18 /81.82%
2	Universidad de Jaen	18 /6.90%	9 /40.91%
3	Comillas Pontifical University	13 /4.98%	7 /31.82%
4	State Grid Corporation of China	11 /4.21%	0 /0.00%
5	Ural Federal University	10 /3.83%	1 /4.55%
5	University of Tabriz	10 /3.83%	0 /0.00%
7	University of Isfahan	8 /3.07%	8 /36.36%
7	King Abdulaziz University	8 /3.07%	4 /18.18%


Și să descoperiți cine sunt liderii de opinie

Autori


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	Jordehi, Ahmad Rezaee	32 /12.26%	16 /72.73%
1	Mansouri, Seyed Amir	32 /12.26%	18 /81.82%
3	Tostado-Véliz, Marcos	17 /6.51%	9 /40.91%
4	Ahmarinejad, Amir	14 /5.36%	7 /31.82%
5	Safaraliev, Murodbek	9 /3.45%	1 /4.55%
6	Jurado, Francisco	8 /3.07%	4 /18.18%
6	Nematbakhsh, Emad	8 /3.07%	8 /36.36%
6	Javadi, Mohammad Sadegh	8 /3.07%	7 /31.82%

În Spania, Universidad de Jaen și Universitatea Pontificală Comillas contribuie cel mai mult la tema noastră. Tostado-Veliz Marcos și Jurado Francisco sunt cei mai activi lideri de opinie din Spania care lucrează pe tema noastră de interes. Ne putem concentra, de asemenea, asupra altor instituții și autori pentru a analiza activitatea acestora.



Francisco Jurado in Web of Science



Francisco Jurado ✓

 Top Peer Reviewer
(Jurado, Francisco) | Universidad de Jaen


Identifiers

 Web of Science ResearcherID: [F-7546-2011](#)
 <https://orcid.org/0000-0001-8122-7415>

Subject Categories

Engineering; Energy & Fuels; Computer Science; Science & Technology - Other Topics; Thermodynamics

Award

 Top reviewers in Engineering - September 2018

Metrics [← Open dashboard](#)




Profile summary



769	Total documents
724	Publications indexed in Web of Science
716	Web of Science Core Collection publications
3	Preprints
0	Dissertations or Theses
45	Non-indexed publications
92	Verified peer reviews
0	Verified editor records
0	Awarded grants




Web of Science Core Collection metrics ⓘ

58 H-Index	716 Publications
14,373 Sum of Times Cited	10,177 Citing Articles
12,632 Sum of Times Cited without self-citations	9,675 Citing Articles without self-citations
23 Sum of Times Cited by Patents	22 Citing Patents

Documents **Peer Review**

 All Indexed Documents (724)  Web of Science Core Collection (716)  Preprints (3)

 Other Collections (5)  Non-Indexed Documents (45)

Filters  Select Filters **Author Position**  All Publications **FECYT CVN** **Sort by** Citations: high... 

< 1 of 15 >

Francisco Jurado în InCites

Colaborarea cu industria și cu alte organizații-cheie care contribuie la acest subiect emergent

Researcher Report

Visualize research, collaboration, and most cited documents for a Person.

Filter by Researcher

F-7546-2011

Web of Science ResearcherID e.g. A-1297-2010

Date range: 2020 - 2024 Dataset: InCites Dataset Include ESCI documents

Research Output Collaboration Most Cited Documents

Overview

International Collaborations

318

% International Collaborations

82.38

Industry Collaborations

5

% Industry Collaborations

1.30

Universidade de Jaen

358

Universidad Catolica de Cuenca

10

Graphic Era University

10

Universite Mohand Akli Ouelhadj Bouira

10

Universidad de Malaga

12

Texas Tech University System

12

Texas Tech University

12

Arak University

14

Prince Sattam Bin Abdulaziz University

14

Minia University

14

Egyptian Knowledge Bank (EKB)

179

Aswan University

131

Ain Shams University

48

Article Title	Times Cited
<div><div>🏆</div><div>An IoT-enabled hierarchical decentralized framework for multi-energy microgrids market management in the presence of smart prosumers using a deep learning-based forecaster</div><div>Journal: APPLIED ENERGY</div><div>2023</div></div>	110
<div><div>Optimal Placement of DGs in Distribution System Using an Improved Harris Hawks Optimizer Based on Single- and Multi-Objective Approaches</div><div>Journal: IEEE ACCESS</div><div>2020</div></div>	107
<div><div>Efficient optimization technique for multiple DG allocation in distribution networks</div><div>Journal: APPLIED SOFT COMPUTING</div><div>2020</div></div>	100
<div><div>Optimal sizing and power schedule in PV household-prosumers for improving PV self-consumption and providing frequency containment reserve</div><div>Journal: ENERGY</div><div>2020</div></div>	86
<div><div>🏆 An interval-based nested optimization framework for deriving flexibility from smart buildings and electric vehicle fleets in the TSO-DSO coordination</div><div>Journal: APPLIED ENERGY</div><div>2023</div></div>	85

Clarivate™

Tendințe și analize : Țări și finanțatori

Identificarea principalelor țări și finanțatori activi pe un anumit subiect

Spania și Portugalia prezintă deja un anumit nivel de contribuție la acest subiect

Țări

OrganizationsFunding AgenciesAuthorsCountries/Regions

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

Rank

Total papers

	Countries/Regions	Total papers / % of total papers	Core papers	Co-citing papers
1	China Mainland	107 /41.00%	7 /31.82%	105 /41.83%
2	Iran	93 /35.63%	18 /81.82%	86 /34.26%
3	India	25 /9.58%	1 /4.55%	24 /9.56%
3	Saudi Arabia	25 /9.58%	6 /27.27%	23 /9.16%
3	Spain	25 /9.58%	11 /50.00%	23 /9.16%
6	England	14 /5.36%	4 /18.18%	12 /4.78%
6	USA	14 /5.36%	0 /0.00%	14 /5.58%
8	Portugal	11 /4.21%	7 /31.82%	7 /2.79%
9	Russia	10 /3.83%	1 /4.55%	10 /3.98%

Finanțatori

Organizations

Funding Agencies

Authors

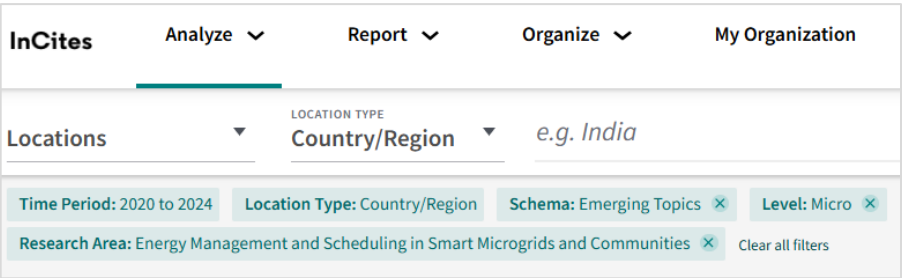
Countries/Regions

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

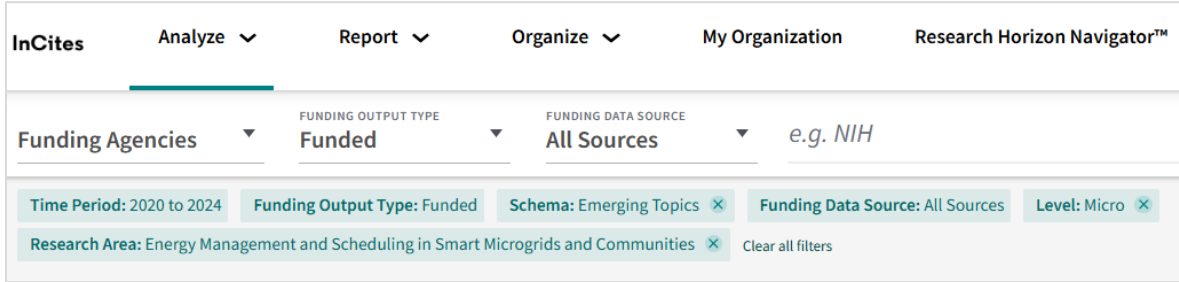
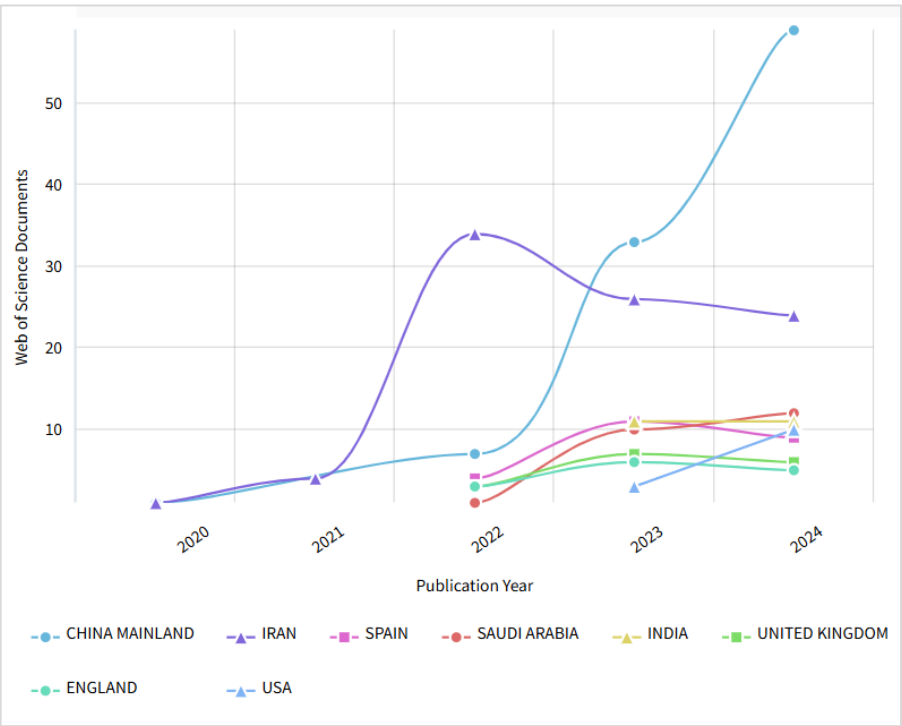
Rank	Funding Agencies	Total papers / % of total papers	Core papers	Co-citing papers
Total papers				
1	Islamic Azad University	61 /23.37%	18 /81.82%	54 /21.51%
2	National Natural Science Foundation of China (NSFC)	38 /14.56%	1 /4.55%	37 /14.74%
3	University of Tabriz	10 /3.83%	0 /0.00%	10 /3.98%
4	UK Research & Innovation (UKRI)	9 /3.45%	4 /18.18%	7 /2.79%
4	Engineering & Physical Sciences Research Council (EPSRC)	9 /3.45%	4 /18.18%	7 /2.79%
6	University of Isfahan	8 /3.07%	8 /36.36%	3 /1.20%
6	King Abdulaziz University	8 /3.07%	4 /18.18%	6 /2.39%
8	Fundamental Research Funds for the Central Universities	6 /2.30%	0 /0.00%	6 /2.39%
8	Iran University Science & Technology	6 /2.30%	1 /4.55%	6 /2.39%
10	Fundacao para a Ciencia e a Tecnologia (FCT)	5 /1.92%	5 /22.73%	2 /0.80%

De aici, ne putem concentra, de asemenea, asupra altor țări / finanțatori pentru a înțelege mai bine contribuția lor la acest subiect emergent.

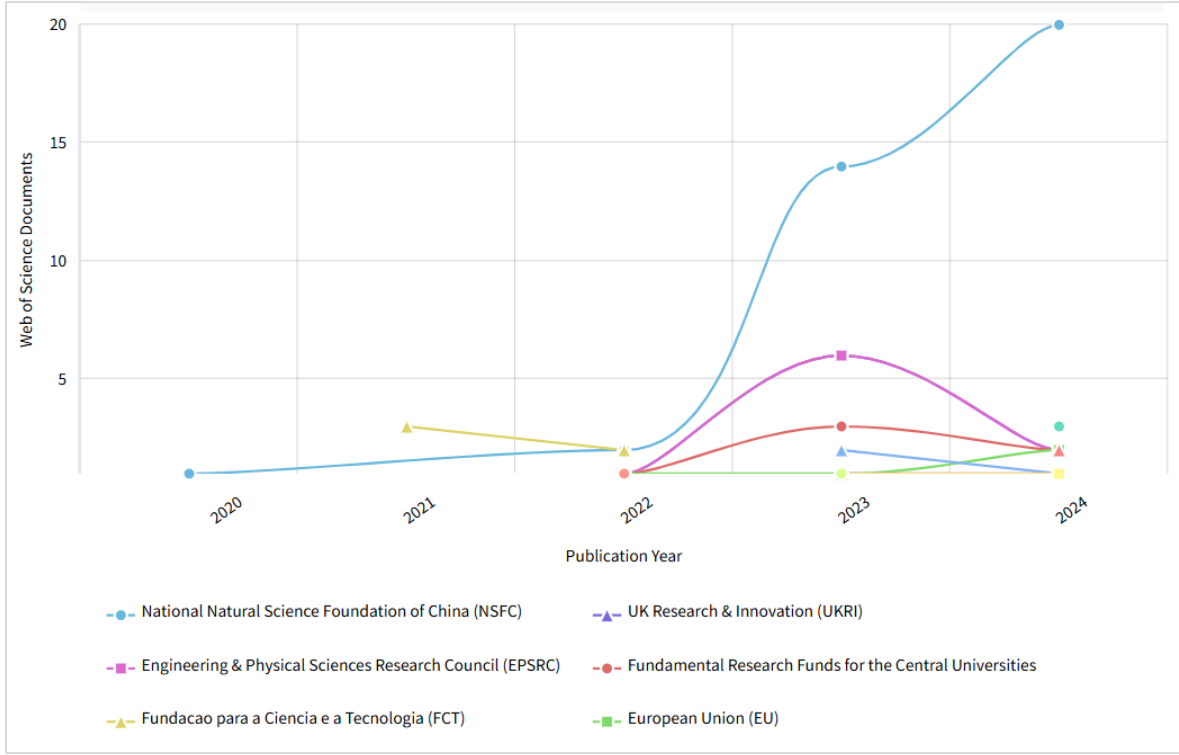
Identificarea principalelor țări și finanțatori activi pe un anumit subiect



Rezultatele obținute de principalele țări în ultimii 5 ani cu privire la **Energy Management and Scheduling in Smart Microgrids and Communities**



Rezultate care menționează principalii finanțatori din ultimii 5 ani pe aceeași temă



Evaluarea comparativă a țărilor lider în InCites

58 locations (239 documents)										
Find in table ▾ Sorted by Web of Science Documents ▾ Add indicator Download										
Region Name ...	Web of Science Documents ...	Times Cited ...	Category Normalized Citation Impact ...	Collab-CNCI ...	% Documents Cited ...	Citation Impact ...	Average Percentile ...	% Industry Collaborations ...	% Cite	
5 groups added Show group(s)										
<input type="checkbox"/> CHINA MAINLAND	100	1,038	1.11	1.11	75%	10.38	42.21	12%		
<input type="checkbox"/> IRAN	89	2,593	1.53	1.24	94.38%	29.13	54.64	4.49%		
<input type="checkbox"/> SPAIN	24	920	2.88	1.91	95.83%	38.33	75.1	12.5%		
<input type="checkbox"/> SAUDI ARABIA	23	500	1.57	0.99	86.96%	21.74	53.91	4.35%		
<input type="checkbox"/> INDIA	22	135	0.66	0.89	72.73%	6.14	36.68	0%		
<input type="checkbox"/> UNITED KINGDOM	16	501	1.81	0.85	87.5%	31.31	58.69	6.25%		
<input type="checkbox"/> ENGLAND	14	495	2					7.14%		
<input type="checkbox"/> USA	13	43	0.52					0%		
<input type="checkbox"/> PORTUGAL	10	717	1.87					0%		
<input type="checkbox"/> RUSSIA	9	41	0.96					0%		
<input type="checkbox"/> DENMARK	8	76	0.54	0.37	100%	9.5	31.43	12.5%		

InCites permite compararea entităților (de exemplu, a țărilor) în funcție de diverse dimensiuni, cum ar fi volumul, impactul, colaborarea și accesul deschis

Ce companii desfășoară activități de cercetare pe un subiect de interes?

InCites Analyze ▾ Report ▾ Organize ▾ My Organization Research Horizon Navigator™

Organizations ▾ e.g. University of Toronto

Time Period: 2020 to 2024 Organization Type: Corporate, Global Corporate ✕ Schema: Emerging Topics ✕ Research Area: Energy systems optimization ✕ Clear all filters

Filters Indicators Baselines

Narrow the results in the table.

Dataset

InCites Dataset ▾

☒ Include ESCI documents ⓘ

Publication Date

Last 5 complete years (2020-2024) ▾

InCites dataset updated Apr 29, 2025. Includes Web of Science content indexed through Mar 31, 2025.

- Organization Name >
- Organization Type ● >
- Location >
- Association >
- Collaborations with People >
- Collaborations with Organizations >
- Collaborations with Locations >
- Collaboration Type >
- Domestic/International Collaboration >
- Document Type >
- Open Access >
- Web of Science Documents >
- Times Cited >

TABLE

VISUAL

212 organizations (809 documents) Find in table ▾ Sorted by Web of Science Documents ▾ + Add

Organization Name ...	Country or Region ...	Organization Type ...	Web of Science Documents ▴ ▾ ...	Times Cited ...	% Documents Cited ...	Category Normalized Citation Impact ...
✕ Baseline for All Items	n/a	n/a	809	13,256	72.93%	1.03
<input type="checkbox"/> State Grid Corporation of China	CHINA MAINLAND	Corporate	163	1,153	64.42%	0.7
<input type="checkbox"/> China Southern Power Grid	CHINA MAINLAND	Corporate	71	565	73.24%	0.7
<input type="checkbox"/> Google Incorporated	USA	Corporate	44	980	56.82%	0.7
<input type="checkbox"/> CRRC Corporation	CHINA MAINLAND	Corporate	37	619	86.49%	0.7
<input type="checkbox"/> Microsoft	USA	Corporate	21	360	61.9%	0.7
<input type="checkbox"/> Huawei Technologies	CHINA MAINLAND	Corporate	20	279	75%	0.69
<input type="checkbox"/> Aviation Industry Corporation of China (AVIC)	CHINA MAINLAND	Corporate	20	321	80%	0.74
<input type="checkbox"/> SINTEF	NORWAY	Corporate	19	279	73.68%	1.65
<input type="checkbox"/> International Business Machines (IBM)	USA	Corporate	15	621	80%	1.96

Dând clic document afișează p a înțelege acestor o analize ul

Dând clic pe numărul de documente Web of Science se afișează publicațiile aferente pentru a înțelege mai bine contribuția acestor organizații în vederea unei analize ulterioare

Care companii au colaborat cu Spania sau Portugalia pe această temă?

Organizations

e.g. University of Toronto

Time Period: 2020 to 2024

Organization Type: Corporate, Global Corporate

Collaborations with Locations: SPAIN, PORTUGAL

Schema: Emerging Topics

Research Area: Energy systems optimization

Filters

Indicators

Baselines

Narrow the results in the table.

Dataset

InCites Dataset

☒ Include ESCI documents

Publication Date

Last 5 complete years (2020-2024)

InCites dataset updated Apr 29, 2025. Includes Web of Science content indexed through Mar 31, 2025.

Organization Name

Organization Type

Location

Association

Collaborations with People

Collaborations with Organizations

Collaborations with Locations

Collaboration Type

Domestic/International Collaboration

Document Type

Open Access

25 organizations (27 documents)

Organization Name	Country or Region	Organization Type	Web of Science Documents	Times Cited	% Documents Cited	Category Normalized Citation Impact
<input type="checkbox"/> SINTEF	NORWAY	Corporate	6	180	83.33%	1.45
<input type="checkbox"/> Materials & Energy Research Center (MERC)	IRAN	Corporate	3	180	100%	3.12
<input type="checkbox"/> STMicroelectronics	SWITZERLAND	Corporate	2	361	100%	7.9
<input type="checkbox"/> Hewlett-Packard	USA	Corporate	2	361	100%	7.9
<input type="checkbox"/> Google Incorporated	USA	Corporate	2	360	100%	1.98
<input type="checkbox"/> International Business Machines (IBM)	USA	Corporate	2	361	100%	7.9
<input type="checkbox"/> IBM USA	USA	Corporate	1	7	100%	1.86
<input type="checkbox"/> Intel USA	USA	Corporate	1	0	0%	0
<input type="checkbox"/> General Electric	USA	Corporate	1	3	100%	0.25
<input type="checkbox"/> Royal Dutch Shell	NETHERLANDS	Corporate	1	7	100%	0.57

Putem analiza și organizațiile care au colaborat cu anumite companii, cum ar fi Google sau Microsoft

Organizations ▾ e.g. University of Toronto

Time Period: 2020 to 2024

Collaborations with Organizations: Google Incorporated, Microsoft ✕

Schema: Emerging Topics ✕

Research Area: Energy systems optimization ✕

Clear all filters

Organization Name ...	Country or Region ...	Organization Type ...	Web of Science Documents ▴ ▾ ...	Organization Name ...	Country or Region ...	Organization Type ...	Web of Science Documents ▴ ▾
<input type="checkbox"/> University of California System	USA	Academic System	12	<input type="checkbox"/> Inria	FRANCE	Government	4
<input type="checkbox"/> Stanford University	USA	Academic	11	<input type="checkbox"/> Columbia University	USA	Academic	3
<input type="checkbox"/> University of California Berkeley	USA	Academic	9	<input type="checkbox"/> Institute for Advanced Study - USA	USA	Research Institute	3
<input type="checkbox"/> University of Washington Seattle	USA	Academic	7	<input type="checkbox"/> Toyota Technological Institute - Chicago	USA	Research Institute	3
<input type="checkbox"/> Princeton University	USA	Academic	7	<input type="checkbox"/> Centre National de la Recherche Scientifique (CNRS)	FRANCE	Research Council	3
<input type="checkbox"/> University of Washington	USA	Academic System	7	<input type="checkbox"/> University of Florida	USA	Academic	2
<input type="checkbox"/> Georgia Institute of Technology	USA	Academic	4	<input type="checkbox"/> Massachusetts Institute of Technology (MIT)	USA	Academic	2
<input type="checkbox"/> Harvard University	USA	Academic	4	<input type="checkbox"/> University of Michigan	USA	Academic	2
<input type="checkbox"/> University of Pennsylvania	USA	Academic	4	<input type="checkbox"/> New York University	USA	Academic	2
<input type="checkbox"/> University System of Georgia	USA	Academic System	4	<input type="checkbox"/> Carnegie Mellon University	USA	Academic	2

Cum se aliniază organizația/țara mea la un subiect emergent?

○ comparație cu domeniile de interes ale unei instituții

182 Emerging Topics

Organization
Universidad de Jaen

Document Filters

Search Documents

Organizations

Search for Organization

☒ Universidad de Jaen

☐ University of Granada

☐ Universidad de Cordoba

☐ Consejo Superior de Inv...

☐ Egyptian Knowledge Ba...

☐ Instituto Interuniversita...

☐ Centre National de la Re...

☐ Queensland University ...

Refine

Emerging Topic	Emerging Topic Category	Primary Category	Matched Papers (Total)
Energy Management and Scheduling in Smart Microgrids and Communities	Energy systems optimization	Energy & Fuels	18 (261)
Child-to-Parent Violence: Risk Factors and Adolescent Dynamics	Mental health and COVID-19 impacts	Psychology, Multidisciplinary	18 (62)
Explainable and Trustworthy AI in Healthcare Decision-Making	AI and virtual technologies	Computer Science, Artificial Intelligence	16 (93)
Hydrogen and Renewable Energy in Global Transition Strategies	Energy systems optimization	Energy & Fuels	11 (349)
Oceanic Anoxic Events and Climate Dynamics in the Jurassic	Environmental and climate impacts	Geosciences, Multidisciplinary	9 (93)
Global Trends and Gender Disparities in Youth Physical Activity	Mental health and COVID-19 impacts	Public, Environmental & Occupational Health	5 (658)
Genomic Tools and Databases for Antimicrobial Resistance Analysis	Microbiome and health interactions	Microbiology	4 (2286)

Research Area

Web of Science Documents

☐ ENVIRONMENTAL SCIENCES

562

☐ ENGINEERING, ELECTRICAL & ELECTRONIC

479

☐ ENERGY & FUELS

413

☐ COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

302

☐ GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY

281

☐ EDUCATION & EDUCATIONAL RESEARCH

276

☐ MATERIALS SCIENCE, MULTIDISCIPLINARY

256

☐ CHEMISTRY, MULTIDISCIPLINARY

214

☐ COMPUTER SCIENCE, INFORMATION SYSTEMS

211

☐ PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

201

Rafinați în funcție de organizație pentru a vedea care sunt subiectele emergente în care cercetătorii dvs. sunt implicați cel mai mult.

Aceasta poate fi comparată cu alte domenii de cercetare pe care instituția dvs. se concentrează și, în continuare, pentru a alinia modul în care se aliniază cu strategia instituției/țării

Principalele domenii de interes ale instituției în subiectele emergente

Research Areas

SCHEMA

Citation Topics

LEVEL

Micro

e.g. Chemistry

Time Period: 2020 to 2024

Schema: Citation Topics

Organization Name: Universidad de Jaen

Level: Micro

Clear all filters

Filters

Indicators

Baselines

Narrow the results in the table.

Dataset

InCites Dataset

☒ Include ESCI documents

Publication Date

Last 5 complete years (2020-2024)

InCites dataset updated Apr 29, 2025. Includes Web of Science content indexed through Mar 31, 2025.

Collaborations with People

Collaborations with Organizations

Collaborations with Locations

Collaboration Type

Domestic/International Collaboration

Person Name or ID

Location

Web of Science Documents

Times Cited

892 research areas (5,822 documents)

Research Area

Web of Science Documents

1 groups added

Show group(s)

☐ 4.18.204 Smart Grid Optimization

232

☐ 4.61.56 Fuzzy Decision-Making

198

☐ 4.18.575 Photovoltaic Systems

116

☐ 1.44.103 Physical Activity

107

☐ 3.97.1108 Nematode Management

101

☐ 1.68.621 Virgin Olive Oil

80

☐ 6.223.247 Tourism Impacts

73

☐ 8.124.10 Atmospheric Aerosols

72

☐ 4.18.472 Power System Stability

70

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

182 Emerging Topics

Organization

Universidad de Jaen

Document Filters

Search Documents

Organizations

Search for Organization

☒ Universidad de Jaen

☐ University of Granada

☐ Universidad de Cordoba

☐ Consejo Superior de Inv...

☐ Egyptian Knowledge Ba...

☐ Instituto Interuniversita...

☐ Centre National de la Re...

☐ Queensland University ...

Refine

Emerging Topic

Emerging Topic Category

Primary Category

Matched Papers (Total)

Energy Management and Scheduling in Smart Microgrids and Communities

Energy systems optimization

Energy & Fuels

18 (261)

Child-to-Parent Violence: Risk Factors and Adolescent Dynamics

Mental health and COVID-19 impacts

Psychology, Multidisciplinary

18 (62)

Explainable and Trustworthy AI in Healthcare Decision-Making

AI and virtual technologies

Computer Science, Artificial Intelligence

16 (93)

Hydrogen and Renewable Energy in Global Transition Strategies

Energy systems optimization

Energy & Fuels

11 (349)

Oceanic Anoxic Events and Climate Dynamics in the Jurassic

Environmental and climate impacts

Geosciences, Multidisciplinary

9 (93)

Global Trends and Gender Disparities in Youth Physical Activity

Mental health and COVID-19 impacts

Public, Environmental & Occupational Health

5 (658)

Genomic Tools and Databases for Antimicrobial Resistance Analysis

Microbiome and health interactions

Microbiology

4 (2286)

Vizualizați și salvați analizele

Vizualizarea analizelor

TABLE

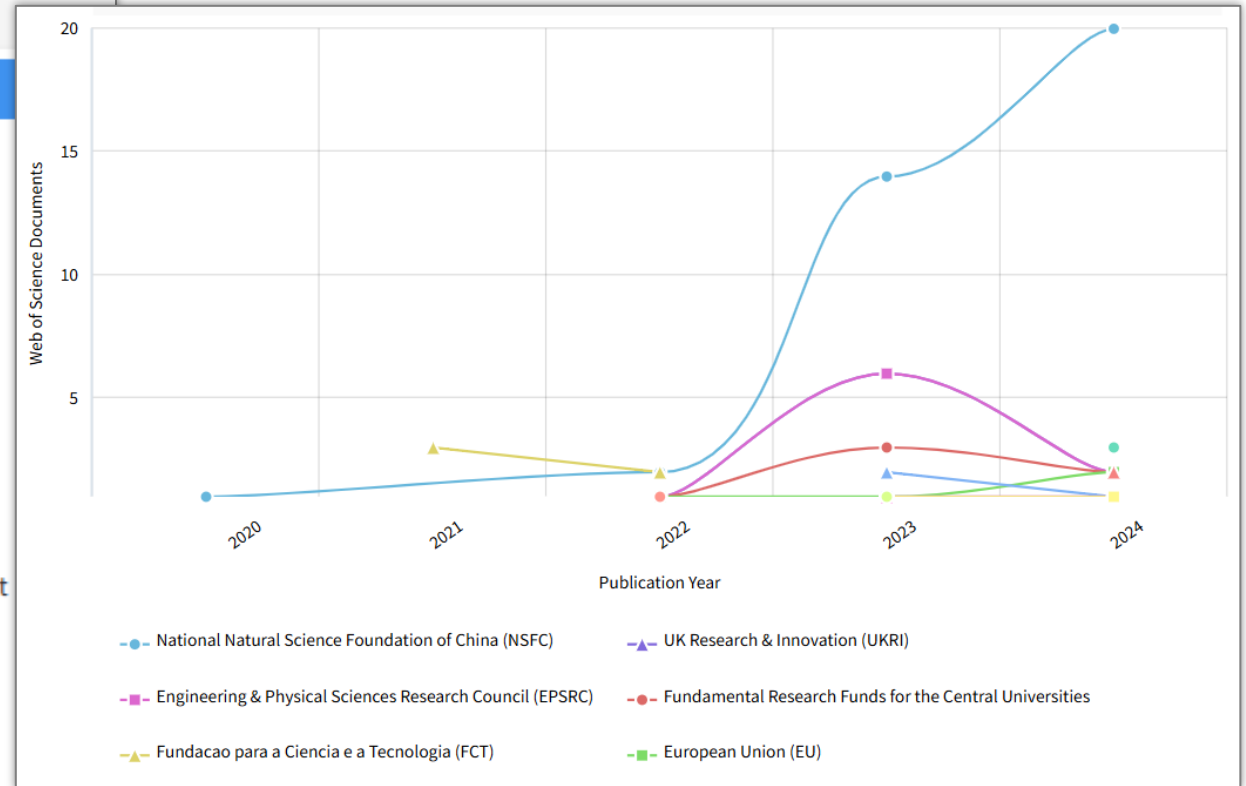
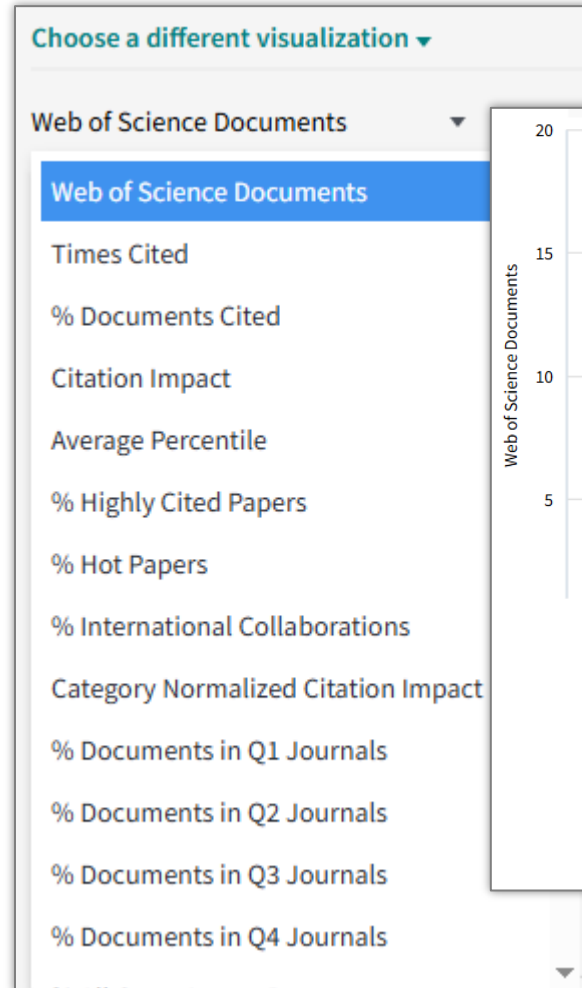
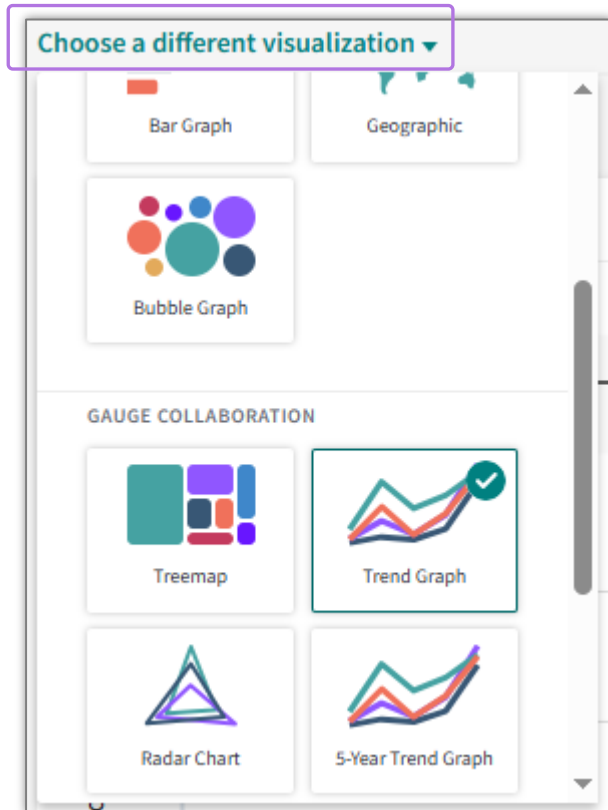
VISUAL

41 funding agencies (83 documents)Find in tableSorted by Web of Science Documents

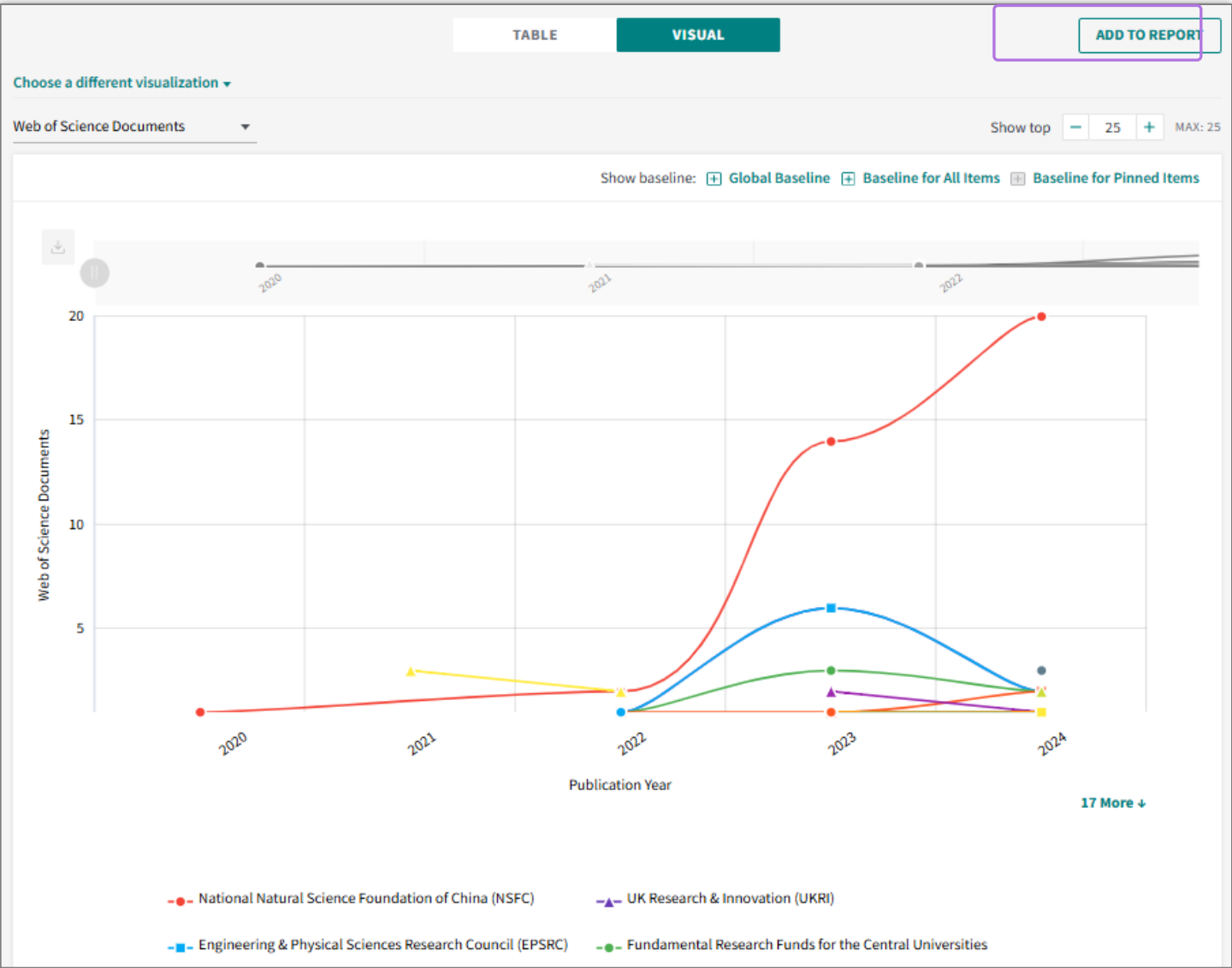
Funding Agency	Web of Science Documents	Times Cited	Rank	% Documents Cited	Category Normalized Citation Impact
<input type="checkbox"/> National Natural Science Foundation of China (NSFC)	37	397	1	78.38%	0.73
<input type="checkbox"/> UK Research & Innovation (UKRI)	9	436	2	100%	2.61
<input type="checkbox"/> Engineering & Physical Sciences Research Council (EPSRC)	9	436	2	100%	2.61
<input type="checkbox"/> Fundamental Research Funds for the Central Universities	6	63	4	100%	0.72
<input type="checkbox"/> Fundacao para a Ciencia e a Tecnologia (FCT)	5	475	5	100%	2.22
<input type="checkbox"/> European Union (EU)	4	119	6	100%	1.03
<input type="checkbox"/> National Office of Philosophy and Social Sciences	3	20	7	66.67%	1.1
<input type="checkbox"/> National Key Research & Development Program of China	3	36	7	100%	0.95

Vizualizarea analizelor

Alegeți tipul de vizualizare și indicatorul (indicatorii)



Salvarea analizelor într-un raport



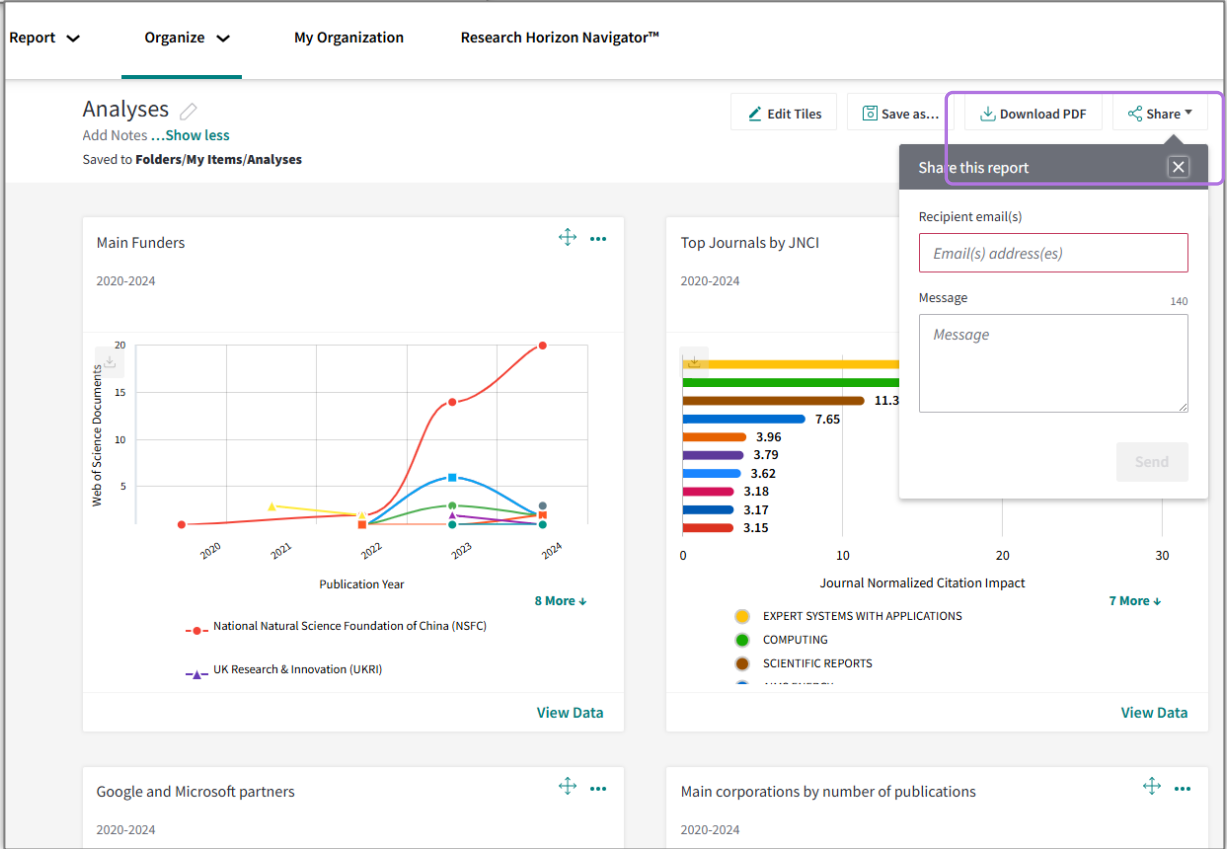
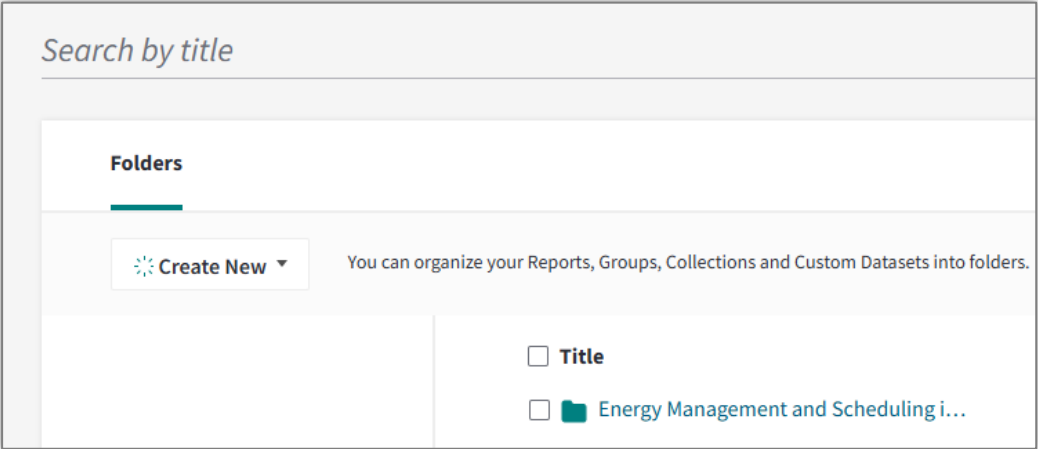
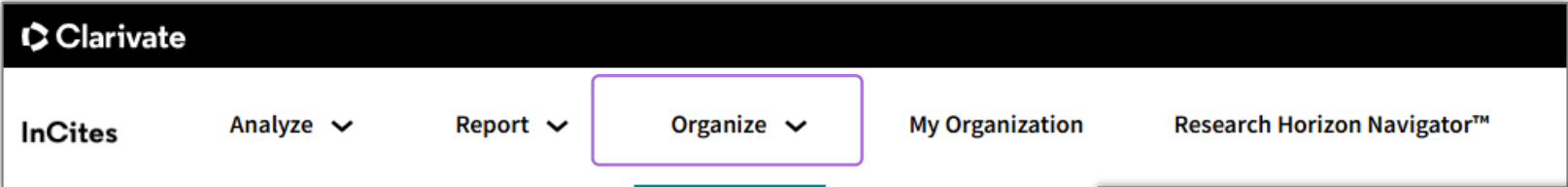
Puteți adăuga analize în tabloul dvs. de bord.

De asemenea, puteți crea mai întâi un dosar și un raport înainte de a adăuga vizualizarea în acesta.

The 'Save to...' dialog box shows the following information:

- Title: Scheduling in Smart Microgrids-Communities
- Description: 2020-2024
- Save to: Energy Management and Scheduling
- Analyses

Accesarea și partajarea unui raport



Appendix

A comparison: Citation Topics & Horizon Navigator

	Citation Topics	Emerging Topics
Methodology	Direct citation analysis	Co-citation analysis
Time Frame	No recency limit (1980 to present)	Last 5 years
Focus	Clusters form from articles citing each other, representing specific, evolving research themes with newer works build on foundational ones.	Clusters connecting articles related by content, concepts, or methodologies even if they do not directly cite each other. Reveal interdisciplinary links of emerging research trends.
Use Case	Evaluation of institutional strengths and programs over time.	Interdisciplinary scan of emerging research, for innovative and forward-looking academic exploration.
Coverage	~2500 micro topics with each ~26K articles	~10,000 topics with each ~ 80 articles

A comparison: ESI Research Fronts & Horizon Navigator

	ESI: Research Fronts	Horizon Navigator: Emerging Topics	Why leverage both...
Web of Science SCIE and SSCI	✓	✓	<ul style="list-style-type: none"> ESI: Achieve a targeted analysis of Research Fronts among top publications in the sciences and hard social sciences.
Web of Science AHCI, ESCI, CPCI		✓	<ul style="list-style-type: none"> RHN: Horizon Navigator uses a wider range of content including Arts & Humanities (AHCI). The addition of Conference Proceedings (CPCI) results in more topics in Computer Science and Engineering. Horizon Navigator can be used for broader horizon scanning and is useful for interdisciplinary topics such as those addressing the UN's SDGs.
Top 1% normalized by	Category, year	Category, year, document type	<ul style="list-style-type: none"> ESI: ESI Research Fronts normalize by category and year, and is dominated by reviews which are more highly cited RHN: includes more original research from articles and proceedings that can provide a comprehensive collective on a topic beyond the highly cited works.
Categories	22	254	<ul style="list-style-type: none"> ESI: Use ESI Research Fronts to narrow your analysis within fields that are more highly cited. RHN: Use Research Horizon Navigator to cover a broader mix of sub-fields that can surface more interdisciplinary research areas.
Core / Co-citing papers	Core	Core + Co-citing	<ul style="list-style-type: none"> ESI: ESI Research Fronts focus on highly-cited foundational research. RHN: Core papers provide a view that is a few years old, while co-citing papers show how research is being applied now. RHN focuses more on research at the leading edge of the front making it more useful for future-forward discovery.
Interdisciplinarity		✓	<ul style="list-style-type: none"> RHN: Horizon Navigator assesses the interdisciplinarity of research activities within a WOS category. Only topics with a higher interdisciplinarity metric are kept, prioritizing research areas that exhibit a broader and more diverse range of academic disciplines
Labeling	✓	✓	<ul style="list-style-type: none"> ESI: Naming based on common phrases in the titles RHN: GenAI-based descriptive label from key themes in core and co-citing articles' titles
Number fronts	~11K	~10,000	<ul style="list-style-type: none"> Both methodologies result in a similar number of fronts, but 30% of the topics are filtered in Horizon Navigator prioritizing research that is more emerging
Use cases	Foundational, highly-cited research	Emerging, interdisciplinary trends	<ul style="list-style-type: none"> ESI: Identify and analyze well-established, highly cited research areas within the sciences and hard social sciences to inform and build upon existing foundational knowledge. RHN: Offers a broad, interdisciplinary scan of emerging research trends, ideal for innovative and forward-looking academic exploration.



Vă mulțumesc

Adriana Filip

Senior Manager, Customer Success Consulting
Adriana.Filip@clarivate.com

About Clarivate

Clarivate is the leading global information services provider. We connect people and organizations to intelligence they can trust to transform their perspective, their work and our world. Our subscription and technology-based solutions are coupled with deep domain expertise and cover the areas of Academia & Government, Life Sciences & Healthcare and Intellectual Property. For more information, please visit clarivate.com

© 2023 Clarivate

Clarivate and its logo, as well as all other trademarks used herein are trademarks of their respective owners and used under license.