



MENEMUKAN NOVELTY PENELITIAN

NIRA NURWULANDARI



Cara Menemukan Novelty Penelitian

Literature Review

Open Knowledge Map

Analisis Bibliometric Vosviewer

Literature Review

Teknik Literatur Review

1. Mencari Kesamaan (Compare);

teknik melakukan review dengan cara mencari kesamaan diantara beberapa literatur & diambil kesimpulannya.

2. Mencari Ketidaksamaan (Contrast);

teknik melakukan review dengan cara menemukan perbedaan diantara beberapa literatur & diambil kesimpulannya.

3. Memberikan Pandangan (Criticize);

teknik melakukan review dengan membuat pendapat sendiri terhadap sumber yang dibaca.

4. Membandingkan (Synthesize);

teknik melakukan review dengan menggabungkan beberapa sumber menjadi sebuah ide baru.

5. Meringkas (Summarize);

teknik melakukan review dengan menulis kembali sumbernya dengan kalimat sendiri.

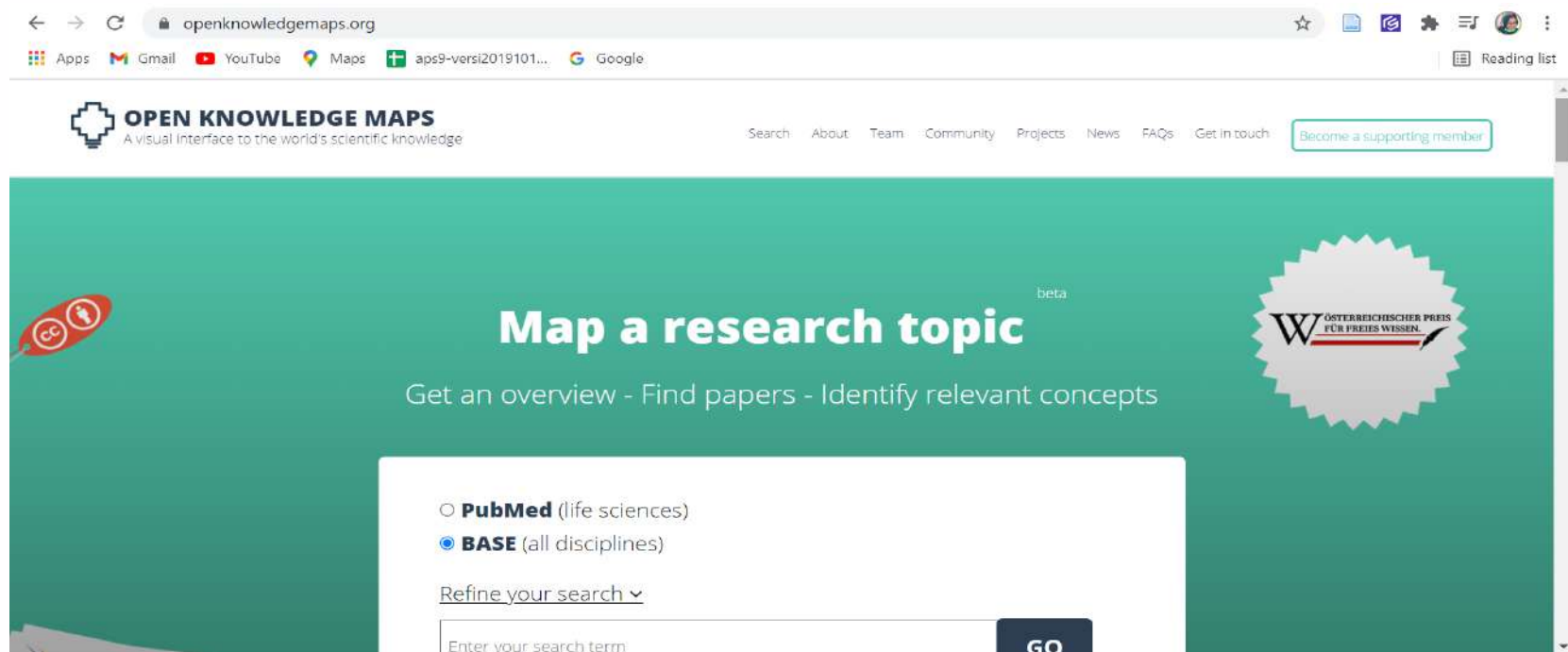
Hasil Penelusuran Pustaka dari Jurnal

Nama Penulis Jurnal & Tahun	Variabel	Teori	Metode Penelitian	Hasil Penelitian, Kesimpulan, dan Saran	Persamaan & Perbedaan variabel, metode, konsep yang digunakan penulis dengan peneliti sebelumnya

Open Knowledge Map

- Buka halaman:

<https://openknowledgemaps.org/>



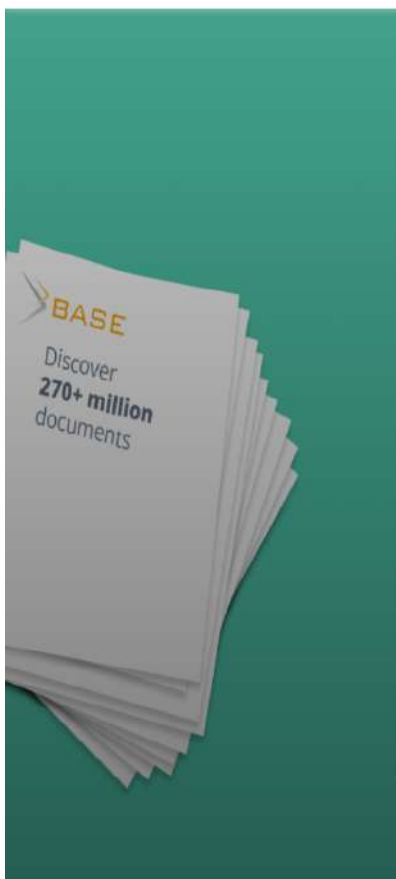


OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

[Search](#) [About](#) [Team](#) [Community](#) [Projects](#) [News](#) [FAQs](#) [Get in touch](#)

[Become a supporting member](#)



☐ PubMed (life sciences)

☒ BASE (all disciplines)

Refine your search ▼

Custom range ▼

Most relevant ▼

8 Document types ▼

High metadata quali...

From: 2016-01-01

To: 2021-06-24

physics education

GO

Try out: digital education climate change AND impact

[What is Open Knowledge Maps?](#)



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Search About Team Community Projects News FAQs Get in touch

Become a supporting member

Map a research topic

Get an overview - Find papers - Identify relevant concepts

☐ PubMed (life sciences)

☒ BASE (all disciplines)

Refine your search ▾

All time ▾

Most relevant ▾

8 Document types ▾

High metadata quali...

physics education

GO

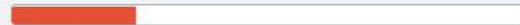
Try out: [digital education](#) [climate change](#) AND [impact](#)



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Your knowledge map on **physics education** is being
created!



Please be patient, this takes around 20 seconds.
While you are waiting, find out how the knowledge map is being created
below.

HOW IT WORKS



openknowledgemaps.org/map/5fa084ffe91f3a71fcd3d415916ddbc1

Apps Gmail YouTube Maps aps9-versi2019101... Google

Reading list



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Search About Team Community Projects News FAQs Get in touch

Become a supporting member

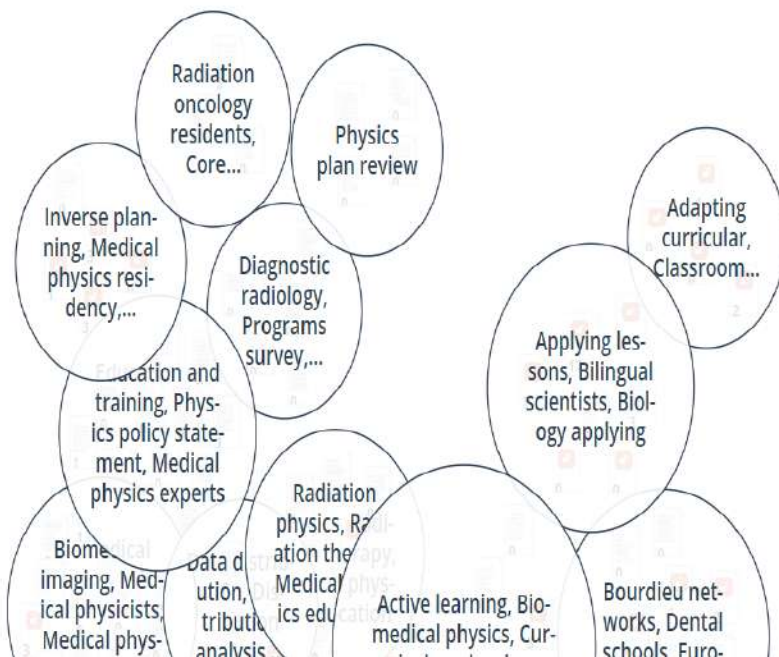
Welcome to the **beta version** of Open Knowledge Maps. For more information on this map, please [click here](#).

Overview of physics education

100 most relevant documents (40 open access) Source: PubMed All time Document types



FAQs



Hide list (100 items)

Search within map...

show: Any

sort by: Title

[Effects of physics on development of optometry in the United States from the late 19th to the mid 20th century].

LINK

Dal-Young Kim in *Ul sahak* (2014)

[doi: 10.13081/kjmh.2014.23.345]

In this paper, it was studied how physics affected development of optometry in the United States, from aspects of formation and academization of optometry. It was also revealed that history of optometry was analogous to history of engineering, Optics...

Area: Bourdieu networks, Dental schools, European dental

citations 0

A generic curriculum development model for the bio-

LINK

openknowledgemaps.org/map/5fa084ffe91f3a71fcd3d415916ddbc1

Apps Gmail YouTube Maps aps9-versi2019101... Google

Reading list



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

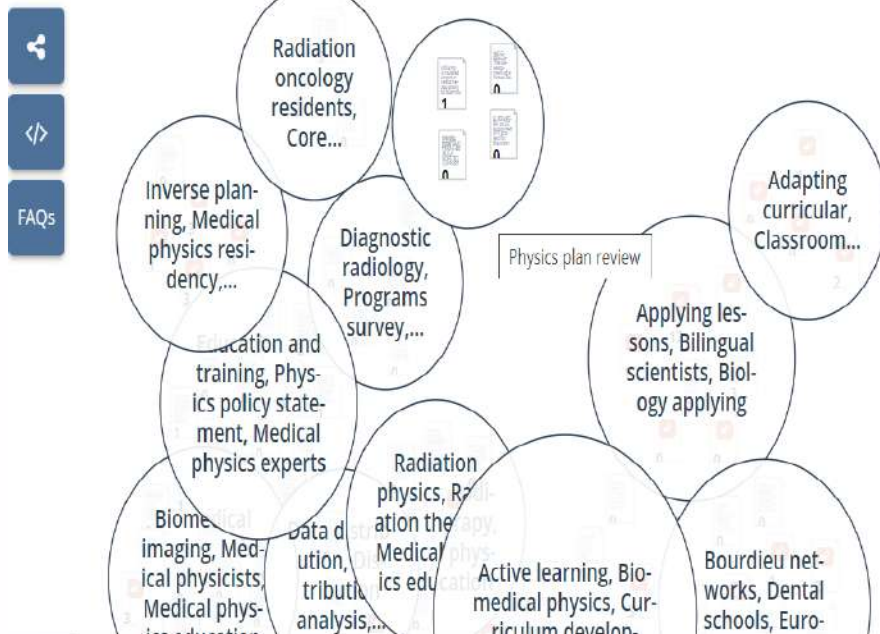
Search About Team Community Projects News FAQs Get in touch

Become a supporting member

Welcome to the **beta version** of Open Knowledge Maps. For more information on this map, please [click here](#).

Overview of physics education

100 most relevant documents (40 open access) Source: PubMed All time Document types



Hide list (100 items)

Search within map...

show: Any

sort by: Title

[Effects of physics on development of optometry in the United States from the late 19th to the mid 20th century].

LINK

Dal-Young Kim in *Ul sahak* (2014)

[doi]: 10.13081/kjmh.2014.23.345

In this paper, it was studied how physics affected development of optometry in the United States, from aspects of formation and academization of optometry. It was also revealed that history of optometry was analogous to history of engineering. Optics...

Area: Bourdieu networks, Dental schools, European dental

citations 0

A generic curriculum development model for the biomedical physics component of the educational and

LINK



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Search About Team Community Projects News FAQs Get in touch

Become a supporting member

Back to overview

Search within map...

show: Any

sort by: Title

Utilizing simulated errors in radiotherapy plans to quantify the effectiveness

1 citations

WE-G-BRA-04: The Development of a Virtual Reality Dosimetry

0 citations

EDUCATION AND TRAINING IN EUROPE TO SUPPORT LOW-DOSE

0 citations

EUTEMPE-RX, an EC supported FP7 project for the training and education

0 citations

EDUCATION AND TRAINING IN EUROPE TO SUPPORT LOW-DOSE RADIATION PHYSICS AND RADIOBIOLOGY.

LINK

Andrea Ottolenghi, Klaus Trott, Giorgio Baiocco, Vere Smyth in *Radiation protection dosimetry* (2019)

[doi]: [10.1093/rpd/ncy232](https://doi.org/10.1093/rpd/ncy232)

The success of any research programme is dependent on a continuing influx of new expertise, and continuing education to ensure the newest technologies and methods are exploited. In the past decade, a strategic approach has been used to build up the r...

Area: [Physics plan review](#)

citations 0

EUTEMPE-RX, an EC supported FP7 project for the training and education of medical physics experts in radiology.

LINK

H Bosmans, K Bliznakova, R Padovani, S Christofides, N Van Peteghem, V Tsapaki, C J Caruana, J Vassileva in *Radiation protection dosimetry* (2015)

[doi]: [10.1093/rpd/ncv306](https://doi.org/10.1093/rpd/ncv306)

openknowledgemaps.org/map/5fa084ffe91f3a71fcd3d415916ddbc1

Apps Gmail YouTube Maps aps9-versi2019101... Google

Reading list



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Search About Team Community Projects News FAQs Get in touch

Become a supporting member

Back to overview

Search within map...

show: Any

sort by: Title

Utilizing simulated errors in radiotherapy plans to quantify the effectiveness of the physics plan review.

Olga Gopan, Wade P Smith, Alexei Chvetsov, Kristi Hendrickson, Alan Kalet, Minsun Kim, Matthew Nyflot, Mark Phillips, Lori Young, Avrey Novak, Jing Zeng, Eric Ford in *Medical physics* (2018)

1 citations

Utilizing simulated errors in radiotherapy plans to quantify the effectiveness of the physics plan review.

LINK

Olga Gopan, Wade P Smith, Alexei Chvetsov, Kristi Hendrickson, Alan Kalet, Minsun Kim, Matthew Nyflot, Mark Phillips, Lori Young, Avrey Novak, Jing Zeng, Eric Ford in *Medical physics* (2018)

[doi]: [10.1002/mp.13242](https://doi.org/10.1002/mp.13242)

The review of a radiation therapy plan by a physicist prior to treatment is a standard tool for ensuring the quality of treatments. However, little is known about how well this task is performed in practice. The goal of this study is to present a novel method to measure the effectiveness of physics plan review by introducing simulated errors into computerized "mock" treatment charts and measuring the performance of plan review by physicists. We generated six simulated treatment charts containing multiple errors. To select errors, we compiled a list based on events from a departmental incident learning system and an international incident learning system (SAFRON). Seventeen errors with the highest scores for frequency and severity were included in the simulations included six mock treatment charts. Eight physicists reviewed the simulated charts as they would a normal pretreatment plan review, with each chart being reviewed by at least six physicists. There were 113 data points for evaluation. Observer bias was minim-



Log in



Search PubMed

Search

Advanced

User Guide

Save

Email

Send to

Display options

> Radiat Prot Dosimetry. 2019 May 1;183(1-2):156-159. doi: 10.1093/rpd/ncy232.

FULL TEXT LINKS

OXFORD
ACADEMIC

EDUCATION AND TRAINING IN EUROPE TO SUPPORT LOW-DOSE RADIATION PHYSICS AND RADIOBIOLOGY

ACTIONS

“ Cite

☆ Favorites

Andrea Ottolenghi¹, Klaus Trott^{1 2}, Giorgio Baiocco¹, Vere Smyth¹

Affiliations + expand

PMID: 30535246 DOI: 10.1093/rpd/ncy232

SHARE

pubmed.ncbi.nlm.nih.gov/30535246/

☆ 📄 🗨️ ⚙️ 📖 👤 ⋮

Apps Gmail YouTube Maps aps9-versi2019101... Google

Reading list

© The Author(s) 2018. Published by Oxford University Press. All rights reserved. For Permissions, please email: journals.permissions@oup.com.

Link out more
resources

Similar articles

Education and training to support radiation protection research in Europe: the DoReMi experience.

Ottolenghi A, Trott KR, Smyth V.

Int J Radiat Biol. 2019 Jan;95(1):90-96. doi: 10.1080/09553002.2018.1454616. Epub 2018 Apr 3.

PMID: 29560780 Review.

European low-dose radiation risk research strategy: future of research on biological effects at low doses.

Salomaa S, Averbeck D, Ottolenghi A, Sabatier L, Bouffler S, Atkinson M, Jourdain JR.

Radiat Prot Dosimetry. 2015 Apr;164(1-2):38-41. doi: 10.1093/rpd/ncu350. Epub 2014 Dec 16.

PMID: 25520379

The European initiative on low-dose risk research: from the HLEG to MELODI.

Belli M, Tabocchini MA, Jourdain JR, Salomaa S, Repussard J.

Radiat Prot Dosimetry. 2015 Sep;166(1-4):178-81. doi: 10.1093/rpd/ncv136. Epub 2015 Apr 9.

PMID: 25862536

Multidisciplinary European low dose initiative: an update of the MELODI program.

Salomaa S, Jourdain JR, Kreuzer M, Jung T, Repussard J.

Int J Radiat Biol. 2017 Oct;93(10):1035-1039. doi: 10.1080/09553002.2017.1281463. Epub 2017 Feb 8.

oup_raddos_ncy232 156..159 ++ 1 / 4 | - 100% +

Radiation Protection Dosimetry (2019), Vol. 183, No. 1-2, pp. 156-159
Advance Access publication 11 December 2018

doi:10.1093/rpd/ncy232

EDUCATION AND TRAINING IN EUROPE TO SUPPORT LOW-DOSE RADIATION PHYSICS AND RADIOBIOLOGY

Andrea Ottolenghi^{1,*}, Klaus Trott^{1,2}, Giorgio Baiocco¹ and Vere Smyth¹
¹Physics Department, University of Pavia, I-27100 Pavia, Italy
²Oncology Department, University College London, WC1E 6AG, UK

*Corresponding author: andrea.ottolenghi@unipv.it

The success of any research programme is dependent on a continuing influx of new expertise, and continuing education to ensure the newest technologies and methods are exploited. In the past decade, a strategic approach has been used to build up the research expertise in the area of radiation protection and risk estimation. The High Level Expert Group (HLEG, www.hleg.de) in their 2009 report on European low-dose research asserted that education and training were key components in the development and maintenance of expertise for research into the risks from low-levels of ionising radiation. Following their recommendations, a Euratom-funded Network of Excellence (DoReMi, www.doremi-noe.net) was setup to develop a platform of European research institutions to coordinate the research programme and develop expertise in the area. We present here the activities initiated by DoReMi and currently continued by CONCERT (www.concert-h2020.eu) in support of education and training in the scientific areas underpinning radiation protection research.

BACKGROUND

The successful continuation and fruitfulness of any scientific research area is dependent on a continuing influx of new expertise, and continuing education and training to ensure the newest technologies and methods are exploited. Much of today's research is carried on in the university environment, through departmental areas of interest, or sometimes individual professors, drawing in students to take up project or thesis work at the cutting edge of the topic. The university departments are often

History: the European masters in Radiobiology

In 1992, the European Commission (EC) called for a course to be setup to provide a new group of experts in radiobiology to supplement the European capability in radiation protection research.

The course that was supported was the European Master of Science in Radiation Biology.⁽¹⁾ It ran from 1992 to 2012. The degree of MSc was awarded by member Colleges of London University (St Bartholomew's Medical College, London Medical College, University

Downloaded from <https://academic.oup.com/rpd/article/183/1-2/156/5238179>

openknowledgemaps.org/map/530133cf1768e6606f63c641a1a96768

Apps Gmail YouTube Maps aps9-versi2019101... Google

Reading list



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

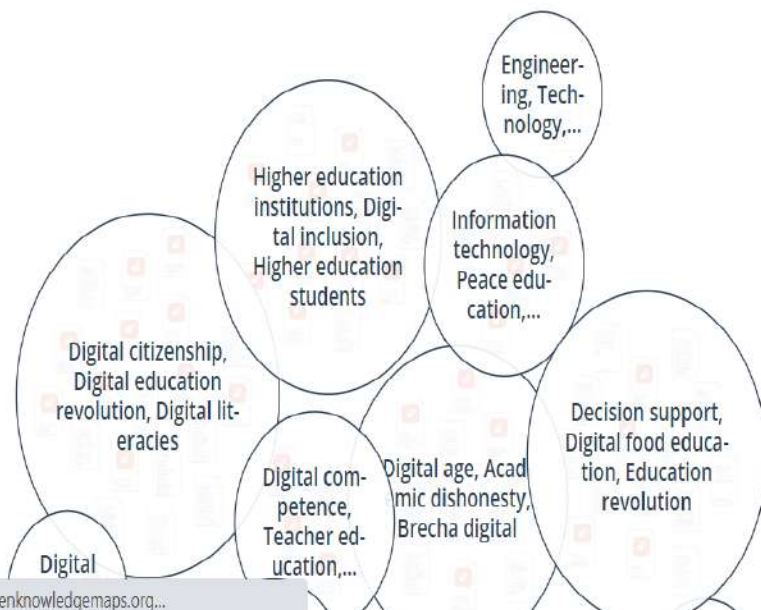
Search About Team Community Projects News FAQs Get in touch

Become a supporting member

Welcome to the **beta version** of Open Knowledge Maps. For more information on this map, please [click here](#).

Overview of digital education

100 most relevant documents (44 open access) Source: BASE Until 9 Jul 2020 Document types



Waiting for openknowledgemaps.org...

Hide list (100 items)

Search within map...

show: Any

sort by: Relevance

open access

Digital Education And Learning: The Growing Trend In Academic And Business Spaces—An International Overview

P. K. Paul, P. S. Aithal (2018)

[link]: <https://doi.org/10.5281/zenodo.1292855>

Abstract ; The world becomes Digital day by day and thus activities, features and sectors and different spaces are highly associated with Digital Tools, Techniques and Technologies. Education domain becomes highly technology enabled in recent past an...

Area: [Digital citizenship, Digital education revolution, Digital litera...](#)

Paradox: promise and public pedagogy: implications of

← → ↻ openknowledgemaps.org/map/530133cf1768e6606f63c641a1a96768

☆ 📄 🗑️ 📌 📖 👤 ⋮

📱 Apps 📧 Gmail 📺 YouTube 📍 Maps 📄 aps9-versi2019101... 🌐 Google

📖 Reading list



OPEN KNOWLEDGE MAPS
A visual interface

Welcome to the beta

Overview of digital education
100 most relevant documents

🔗
📄
FAQs

Digital Education
Digital Education
revolution

Digital cameras,



**International Journal on Recent Researches in
Science, Engineering & Technology (IJRRSET)**

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. Journal Indexed in JIR, DIIF and SJIF.

Research Paper
Available online at: www.ijrrset.com

ISSN (Print) : 2347-6729
ISSN (Online) : 2348-3105

Volume 6, Issue 5,
May 2018.
JIR IF : 2.54
SJIF IF : 4.334
Cosmos: 5.395

Received on: 03.05.2018 Published on: 15.05.2018 Pages : 11-18

**Digital Education and Learning: The Growing Trend in Academic
and Business Spaces—An International Overview**

P. K. Paul¹, A. Bhumali², Kalishankar Tiwary³, P. S. Aithal⁴, R. Rajesh⁵

¹Raiganj University (RGU), West Bengal, India
²Vice Chancellor, Raiganj University, West Bengal, India
³HoD, Mathematics & Director-IQAC, Raiganj University, West Bengal, India
⁴Vice Chancellor, Srinivas University, Karnataka, India

become a supporting member

sort by: Relevance ▾

g Trend In
tional

PDF

and thus activ-
re highly asso-
ologies. Educa-
in recent past

Digital literaci...

lications of

Analisis Bibliometric Vosviewer

Link untuk mengunduh aplikasi

- Publish or Perish

<https://harzing.com/resources/publish-or-perish/windows>

- Mendeley

<https://www.mendeley.com/download-desktop-new/windows#download>

- VOSviewer:

<https://www.vosviewer.com/download>

- Petunjuk pemakaian Vosviewer

<https://www.vosviewer.com/getting-started>

- VOSviewer mendukung tiga jenis file manajer referensi : file RIS, file EndNote, dan file RefWorks
- Ketiga jenis file tsb bisa didownload dulu dg Publish or Perish
- **atau** langsung dari scopus (nanti disimpan dulu dalam bentuk RIS, EndNote, dan RefWorks)
- **atau** dari mendeley untuk menganalisis mana yg akan dipakai atau dipetakan (memetakannya dg menggunakan VOSviewer)

Harzing's Publish or Perish (Windows GUI Edition) 7.26.2899.7547

File Edit Search View Help



My searches	Search terms	Source	Papers	Cites	Cites/year	h	g	hi,norm	hi,annual	acc10	Search date	Cache date	Last ...
Trash	✗	Google Sch...	0	0	0.00	0	0	0	0.00	0	25/06/2021	n/a	0
	flipped classroom [title], physics...	Scopus	38	193	48.25	5	13	5	1.25	3	30/09/2020	30/09/2020	0
	flipped classroom [title], metak...	Google Sch...	20	7	2.33	1	2	1	0.33	0	28/09/2020	28/09/2020	0
	✗ flipped classroom, metakognitif...	Scopus	0	0	0.00	0	0	0	0.00	0	28/09/2020	28/09/2020	514
	✗ flipped classroom, critical thinki...	Google Sch...	0	0	0.00	0	0	0	0.00	0	28/09/2020	n/a	264
	✗ flipped classroom, critical thinki...	Scopus	0	0	0.00	0	0	0	0.00	0	28/09/2020	28/09/2020	514
	flipped classroom [title], critical	Scopus	50	264	65.25	9	15	9	2.25	0	28/09/2020	28/09/2020	0

Google Scholar search

[How to search with Google Scholar](#)

Authors: Years: 2016 - 2021

Publication name: ISSN:

Title words:

Keywords:

Maximum number of results: (may be further limited by data source)

Results	Help	Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher	Type
Publication years:	0-0									
Citation years:	0 (0-0)									
Papers:	0									
Citations:	0									
Cites/year:	0.00									
Cites/paper:	0.00									
Authors/paper:	0.00									
h-index:	0									
g-index:	0									
hi,norm:	0									
hi,annual:	0.00									
Papers with ACC >= 1,2,5,10,20:	0,0,0,0,0									
Copy Results										
Save Results										

Harzing's Publish or Perish (Windows GUI Edition) 7.26.2899.7547

— □ ×

File Edit Search View Help



My searches	Search terms	Source	Papers	Cites	Cites/year	h	g	hI,norm	hI,annual	acc10	Search date
Trash	Journal, education of physics fr...	Google Sch...	50	2189	437.80	30	46	16	3.20	26	25/06/2021
	flipped classroom [title], physics...	Scopus	38	193	48.25	5	13	5	1.25	3	30/09/2020
	flipped classroom [title], metak...	Google Sch...	20	7	2.33	1	2	1	0.33	0	28/09/2020

Google Scholar search

How to search with Google Scholar

Authors:

Publication name:

Title words:

Keywords:

Maximum number of results:

Years: -

ISSN:

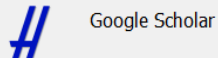
Results [Help](#)

Publication years: 2016-2020
Citation years: 5 (2016-2021)
Papers: 50
Citations: 2189
Cites/year: 437.80
Cites/paper: 43.78
Authors/paper: 3.38
h-index: 30
g-index: 46
hI,norm: 16
hI,annual: 3.20
Papers with ACC >= 1,2,5,10,20:
50,50,43,26,7

Cites

✓ h 41
✓ h 69
✓ h 36
✓ h 41
✓ h 76
✓ h 35
✓ h 78
✓ h 25
✓ h 44
✓ h 52
✓ h 34
✓ 8
✓ 21
✓ h 37

Search in Progress



Searching Journal, education of physics from 2016 to 2021

50 out of maximum 1000 results so far; limiting the request rate...

Search progress:

Request rates:

5/5/5 rpm

5/10m

5/h

5/4h

751 total

Cancel

Year	Publication	Publisher
2017	International Journal of Ins...	ERIC
2016	... A European Journal	Wiley (
2017	... of Baltic Science Educati...	acader
2016	... A European Journal	Wiley (
2018	Journal of Science Educatio...	Spring
2017	... A European Journal	Wiley (
2019	... Journal	Wiley (
2016	... A European Journal	Wiley (
2019	... of Science Education	Taylor
2016	Journal of Science Educatio...	Spring
2016	International Journal of En...	research
2018	Journal of Information Tec...	jite.org
2017	Journal of Teacher Educatio...	Sciend
2017	Journal of Physics: Confere...	iopscie

Harzing's Publish or Perish (Windows GUI Edition) 7.26.2899.7547

File Edit Search View Help



My searches	Search terms	Source	Papers	Cites	Cites/year	h	g	hI,norm	hI,annual	acc10	Search date	Cache date	Last ...
Trash	Journal, education of physics fr...	Google Sch...	200	19658	3931.60	60	137	37	7.40	111	25/06/2021	25/06/2021	0
	flipped classroom [title], physics...	Scopus	38	193	48.25	5	13	5	1.25	3	30/09/2020	30/09/2020	0
	flipped classroom [title], metak...	Google Sch...	20	7	2.33	1	2	1	0.33	0	28/09/2020	28/09/2020	0
	flipped classroom, metakognitif...	Scopus	0	0	0.00	0	0	0	0.00	0	28/09/2020	28/09/2020	514
	flipped classroom, critical thinki...	Google Sch...	0	0	0.00	0	0	0	0.00	0	28/09/2020	n/a	264
	flipped classroom, critical thinki...	Scopus	0	0	0.00	0	0	0	0.00	0	28/09/2020	28/09/2020	514
	flipped classroom [title], critical	Scopus	50	261	65.25	0	15	0	2.25	0	28/09/2020	28/09/2020	0

Google Scholar search

[How to search with Google Scholar](#)

Authors: Years: 2016 - 2021

Publication name: Journal ISSN:

Title words:

Keywords: education of physics

Maximum number of results: 200 (may be further limited by data source)

Results	Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher	Type
Publication years: 2016-2021	41	10.25	1	P Sinaga, S Feranie	Enhancing Critical Thinking Skills a...	2017	International Journal of Ins...	ERIC	
Citation years: 5 (2016-2021)	69	13.80	2	X Yang, R Zhang, N...	Assembly of SnSe Nanoparticles C...	2016	... A European Journal	Wiley Online Library	
Papers: 200	36	9.00	3	P Pandiangan, GMI ...	... of physics independent learning...	2017	... of Baltic Science Educati...	academia.edu	PDF
Citations: 19658	41	8.20	4	M Li, Y Gao, N Che...	Cu3V2O8 Nanoparticles as Intercal...	2016	... A European Journal	Wiley Online Library	
Cites/year: 3931.60	76	25.33	5	K Hochberg, J Kuhn...	Using smartphones as experiment...	2018	Journal of Science Educatio...	Springer	
Cites/paper: 98.29	35	8.75	6	Y Zhao, Q Pang, Y ...	Self-assembled CoS nanoflowers ...	2017	... A European Journal	Wiley Online Library	
Authors/paper: 3.36	78	39.00	7	F Liu, W Chen, J Mi...	Thermodynamic and molecular ins...	2019	... Journal	Wiley Online Library	
h-index: 60	25	5.00	8	Y Ju, Y Meng, Y Wei...	Li+/Mg2+ Hybrid-Ion Batteries wit...	2016	... A European Journal	Wiley Online Library	
g-index: 137	44	22.00	9	S Sorge, J Kröger, S...	Structure and development of pre...	2019	... of Science Education	Taylor & Francis	
hI,norm: 37	52	10.40	10	M Ceberio, JM Alm...	Design and application of interacti...	2016	Journal of Science Educatio...	Springer	
hI,annual: 7.40	34	6.80	11	G Liu, N Fang	Student misconceptions about for...	2016	International Journal of En...	researchgate.net	PDF
Papers with ACC >= 1,2,5,10,20: 199,196,162,111,60	8	2.67	12	FS Hilyana, MM Ha...	Integrating Character Education o...	2018	Journal of Information Tec...	jite.org	PDF
	21	5.25	13	I Korsun	The formation of learners' motivati...	2017	Journal of Teacher Educatio...	Sciendo	CITATION
	37	9.25	14	D Yulianti	Problem-based learning model us...	2017	Journal of Physics: Confere...	iopscience.iop.org	
	8	8.00	15	J Weber, T Wilhelm	The benefit of computational mod...	2020	European Journal of Physics	iopscience.iop.org	

Harzing's Publish or Perish (Windows GUI Edition) 7.26.2899.7547

File Edit Search View Help



My searches	Search terms	Source	Papers	Cites	Cites/year	h	g	hI,norm	hI,annual	acc10	Search date	Cache date	Last ...
Trash	Journal, education of physics fr...	Google Sch...	200	19658	3931.60	60	137	37	7.40	111	25/06/2021	25/06/2021	0
	flipped classroom [title], physics...	Scopus	38	193	48.25	5	13	5	1.25	3	30/09/2020	30/09/2020	0
	flipped classroom [title], metak...	Google Sch...	20	7	2.33	1	2	1	0.33	0	28/09/2020	28/09/2020	0
	flipped classroom, metakognitif...	Scopus	0	0	0.00	0	0	0	0.00	0	28/09/2020	28/09/2020	514
	flipped classroom, critical thinki...	Google Sch...	0	0								n/a	264
	flipped classroom, critical thinki...	Scopus	0	0									514
	flipped classroom [title], critical...	Scopus	50	261									0

Google Scholar search

How to se

Authors:

Publication name: Journal

Title words:

Keywords: education of physics

Maximum number of results: 200 (may be further limited by data source)

Results

Help

Publication years: 2016-2021
Citation years: 5 (2016-2021)
Papers: 200
Citations: 19658
Cites/year: 3931.60
Cites/paper: 98.29
Authors/paper: 3.36
h-index: 60
g-index: 137
hI,norm: 37
hI,annual: 7.40
Papers with ACC >= 1,2,5,10,20: 199,196,162,111,60

Cites	Per year	Rank	Authors	Title
41	10.25	1	P Sinaga, S Feranie	Enhancing Critical
h 69	13.80	2	X Yang, R Zhang, N...	Assembly of SnSe
36	9.00	3	P Pandiangan, GMI ...	... of physics indep
41	8.20	4	M Li, Y Gao, N Che...	Cu3V2O8 Nanoparticles as Intercal...
h 76	25.33	5	K Hochberg, J Kuhn...	Using smartphones as experiment...
35	8.75	6	Y Zhao, Q Pang, Y ...	Self-assembled CoS nanoflowers ...
h 78	39.00	7	F Liu, W Chen, J Mi...	Thermodynamic and molecular ins...
25	5.00	8	Y Ju, Y Meng, Y Wei...	Li+/Mg2+ Hybrid-Ion Batteries wit...
44	22.00	9	S Sorge, J Kröger, S...	Structure and development of pre...
52	10.40	10	M Ceberio, JM Alm...	Design and application of interacti...
34	6.80	11	G Liu, N Fang	Student misconceptions about for...
8	2.67	12	FS Hilyana, MM Ha...	Integrating Character Education o...
21	5.25	13	I Korsun	The formation of learners' motivati...
37	9.25	14	D Yulianti	Problem-based learning model us...
8	8.00	15	J Weber, T Wilhelm	The benefit of computational mod...

- Open Article in Browser
- Open Citing Works in Browser
- Retrieve Citing Works in Publish or Perish
- Split Citations
- Copy Results
- Save Results
- Select All Ctrl+A
- Check All Ctrl+Shift+A
- Check Selection Num +
- Uncheck All Ctrl+U
- Uncheck Selection Num -
- Uncheck 0 Cites Ctrl+0
- Uncheck CITATION results

- As BibTeX...
- As CSV...
- As EndNote...
- As ISI/WoS Export...
- As JSON...
- As RIS/RefManager...
- As APA Reference...
- As Chicago Reference...
- As CSIRO Reference...
- As Harvard Reference...
- As MLA Reference...
- As Vancouver Reference...

Years: 2016 - 2021

Search

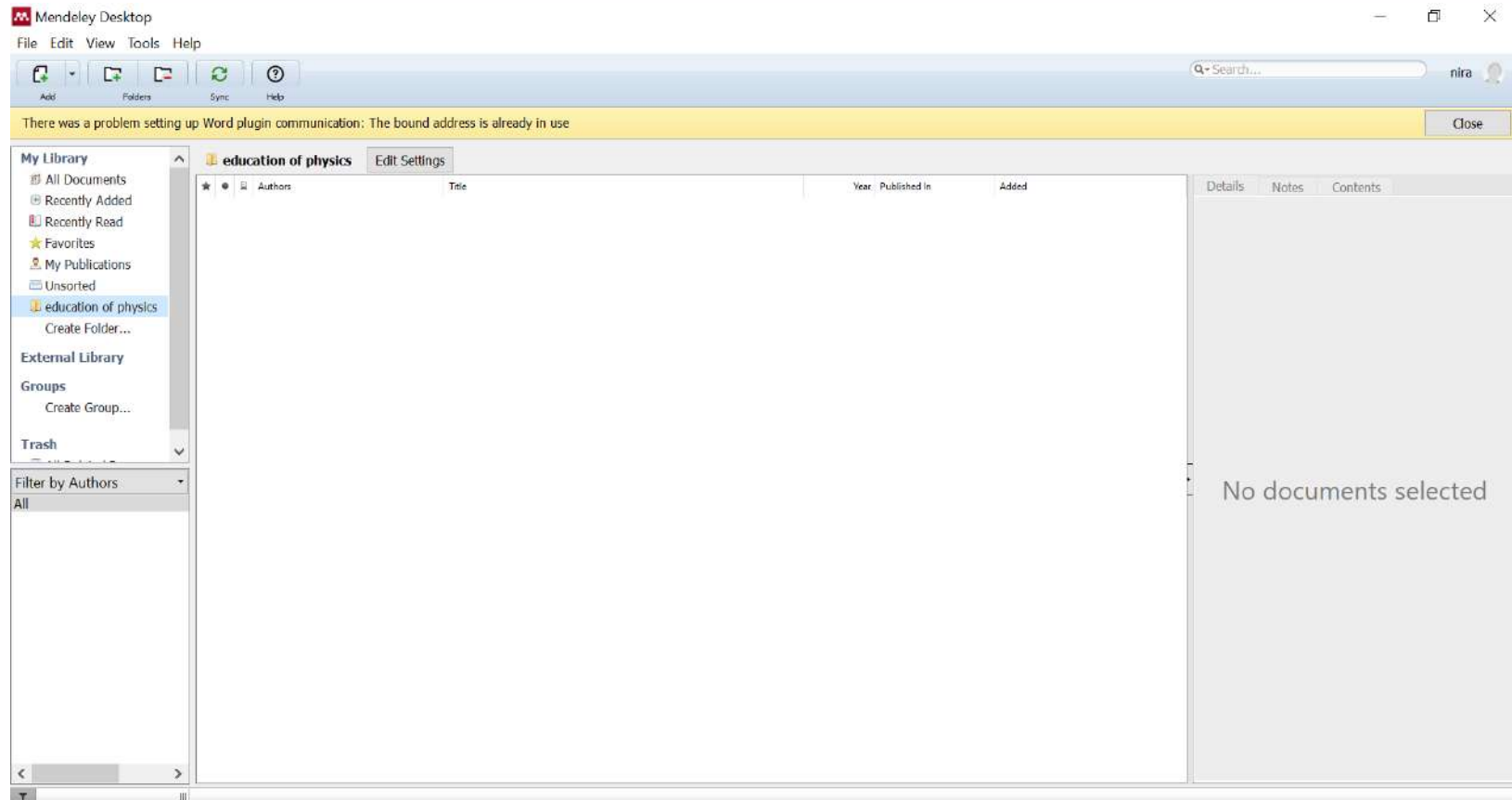
Search Direct

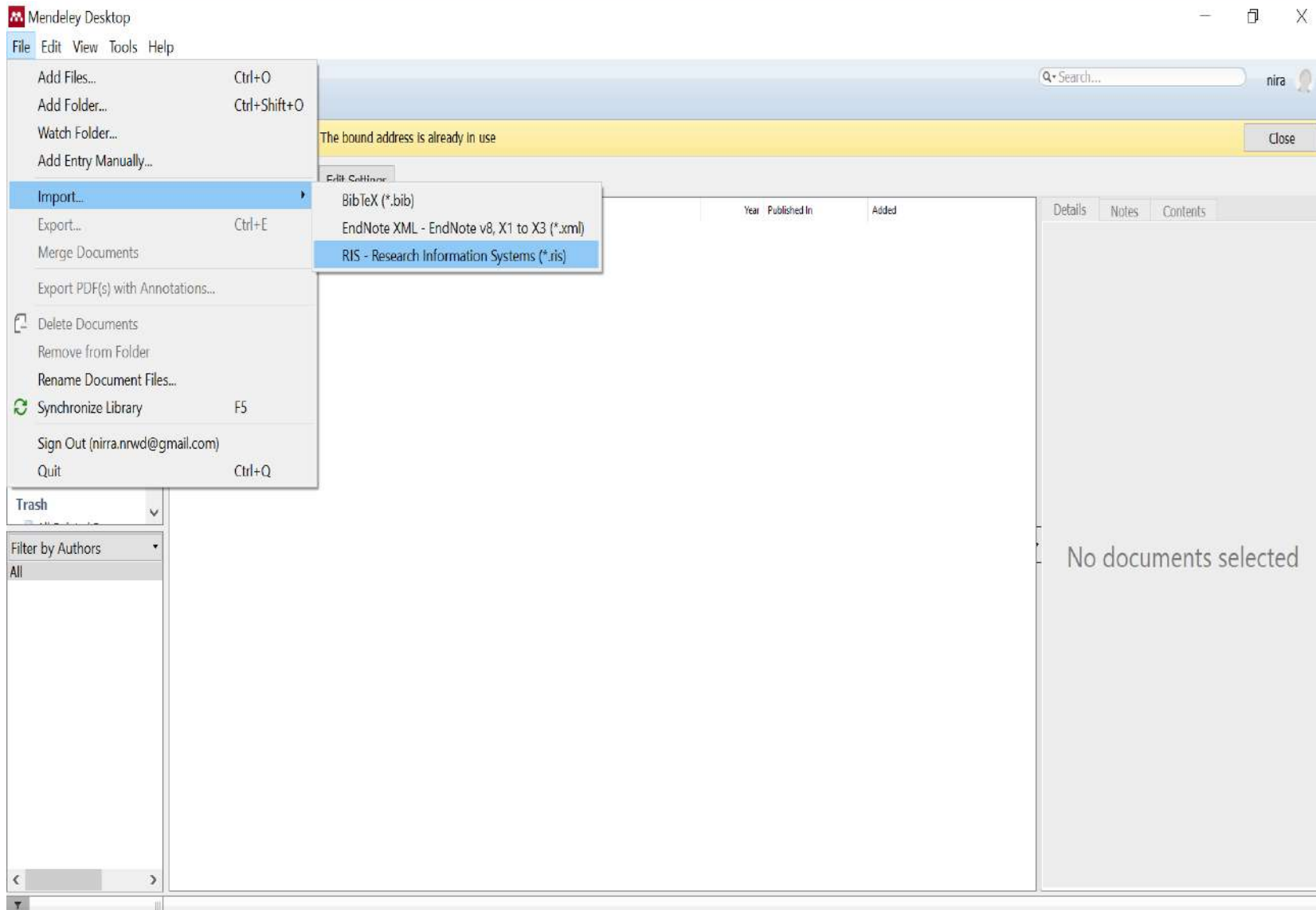
Clear All

Revert

New

2. Mendeley





Mendeley Desktop

File Edit View Tools Help



Search...

nira

There was a problem setting up Word plugin communication: The bound address is already in use

Close

My Library

- All Documents
- Recently Added
- Recently Read
- Favorites
- My Publications
- Unsorted
- education of physics
- Create Folder...
- External Library
- Groups
- Create Group...
- Trash

Filter by Authors

- All
- ...
- Abbott, R
- Abbott, T D
- Abdollahi, S
- Abdul-Masih, M
- Abdurrahman, A
- Abraham, S
- Acero, F
- Acharyya, S
- Ackermann, M
- Agustina, D
- Ahmar, A S
- Ahmed, D
- Ajello, M
- Al-Amri, A

education of physics

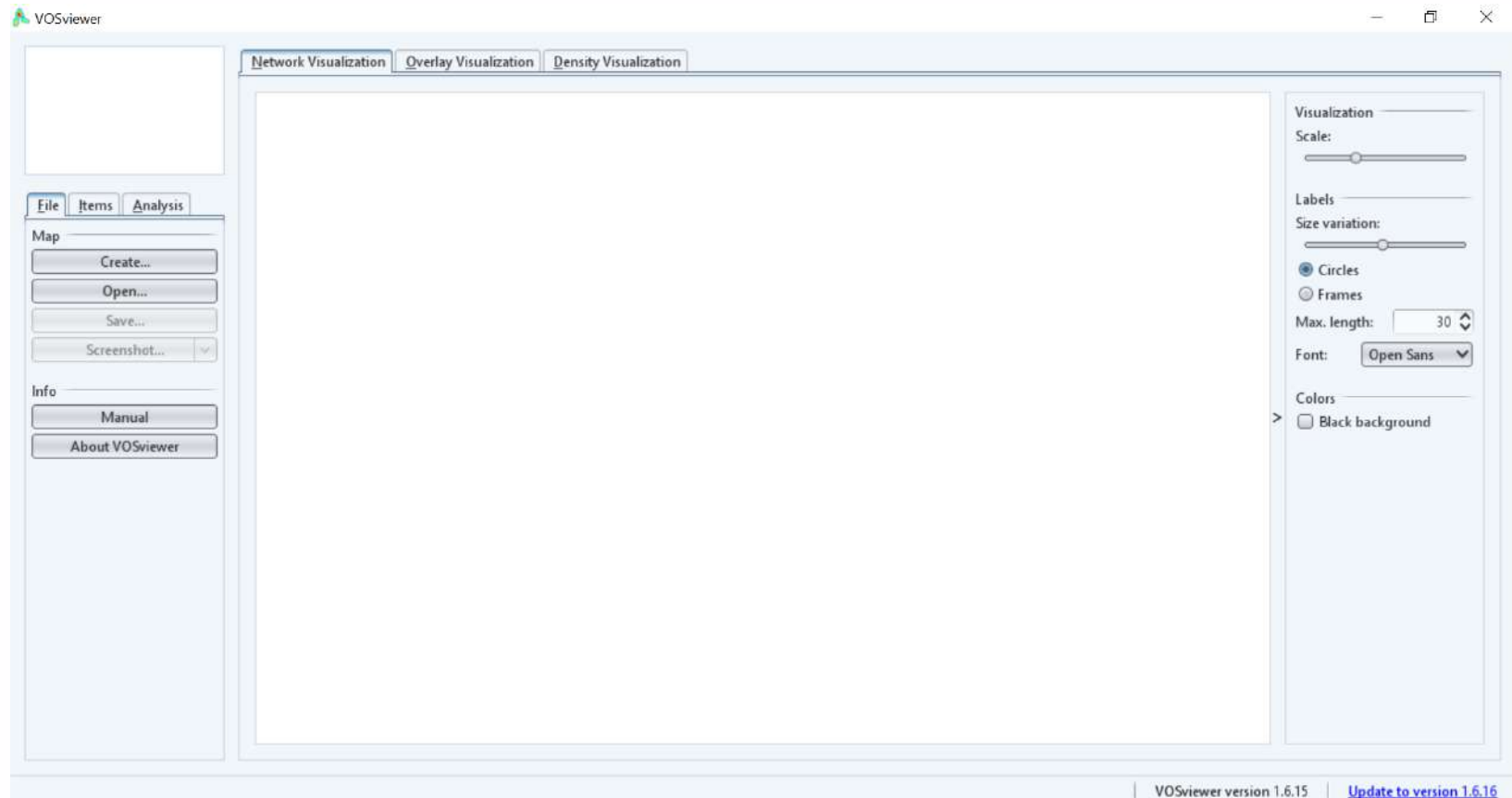
Edit Settings

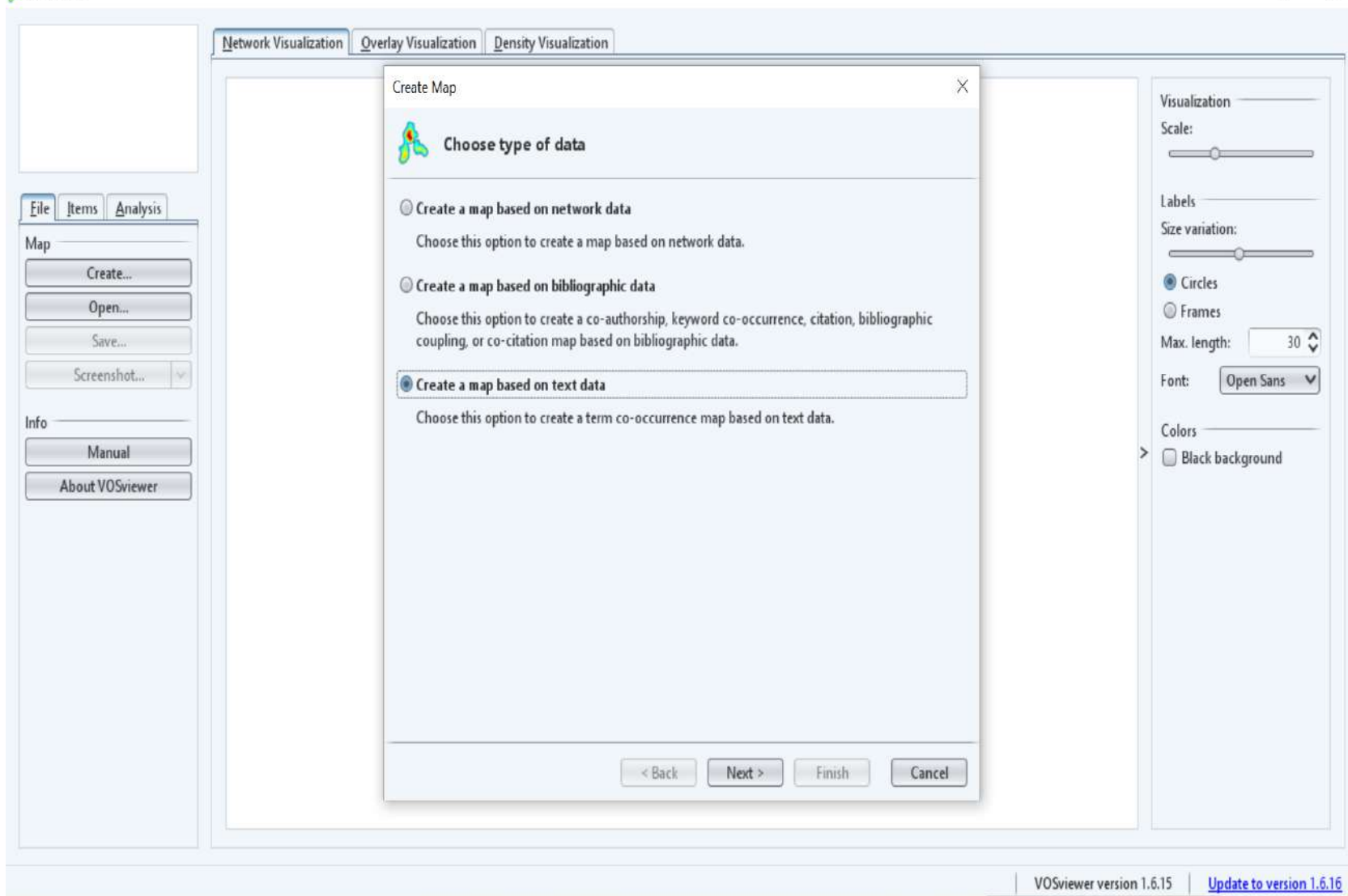
★	Authors	Title	Year	Published in	Added
☆	Asiksoy, G; Özdamli, F	Flipped Classroom adapted to the ARCS Model of Motivation and applied to a Physics Course	2016	Eurasia Journal of Mathematics, Sci...	25/09/20
☆	Sinaga, P; Feranie, S	Enhancing Critical Thinking Skills and Writing Skills through the Variation in Non-Traditional Writing Task.	2017	International Journal of Instru...	8:30am
☆	Yang, X; Zhang, R; Chen, N; Meng, X; ...	Assembly of SnSe Nanoparticles Confined in Graphene for Enhanced Sodium-Ion Storage Performance	2016	... A European Journal	8:30am
☆	Pandiangan, P; Sanjaya, G M I; ...	... of physics independent learning model to improve physics problem solving and self-directed learning skills of student...	2017	... of Baltic Science Education	8:30am
☆	Li, M; Gao, Y; Chen, N; Meng, X; Wang, C; ...	Cu3V2O8 Nanoparticles as Intercalation-Type Anode Material for Lithium-Ion Batteries	2016	... A European Journal	8:30am
☆	Hochberg, K; Kuhn, J; Müller, A	Using smartphones as experimental tools—effects on interest, curiosity, and learning in physics education	2018	Journal of Science Education and ...	8:30am
☆	Zhao, Y; Pang, Q; Meng, Y; Gao, Y; ...	Self-assembled CoS nanoflowers wrapped in reduced graphene oxides as the high-performance anode materials ...	2017	... A European Journal	8:30am
☆	Liu, F; Chen, W; Mi, J; Zhang, J Y; Kan, X; Zhong, F Y; ...	Thermodynamic and molecular insights into the absorption of H2S, CO2, and CH4 in choline chloride plus urea mixtures	2019	... Journal	8:30am
☆	Ju, Y; Meng, Y; Wei, Y; Bian, X; Pang, Q; ...	Li+/Mg2+ Hybrid-Ion Batteries with Long Cycle Life and High Rate Capability Employing MoS2 Nano Flowers as the...	2016	... A European Journal	8:30am
☆	Sorge, S; Kröger, J; Petersen, S; ...	Structure and development of pre-service physics teachers' professional knowledge	2019	... of Science Education	8:30am
☆	Ceberio, M; Almudí, J M; Franco, Á	Design and application of interactive simulations in problem-solving in university-level physics education	2016	Journal of Science Education and ...	8:30am
☆	Liu, G; Fang, N	Student misconceptions about force and acceleration in physics and engineering mechanics education	2016	International Journal of Engin...	8:30am
☆	Hilyana, F S; Hakim, M M	Integrating Character Education on Physics Courses with Schoology Based E-learning	2018	Journal of Information Tec...	8:30am
☆	Korsun, I	The formation of learners' motivation to study physics in terms of sustainable development of education in Ukraine	2017	Journal of Teacher Education for Su...	8:30am
☆	Yulianti, D	Problem-based learning model used to scientific approach based worksheet for physics to develop senior high school ...	2017	Journal of Physics: Conference Series	8:30am
☆	Weber, J; Wilhelm, T	The benefit of computational modelling in physics teaching: a historical overview	2020	European Journal of Physics	8:30am

No documents selected

200 documents successfully imported

3. VOSviewer

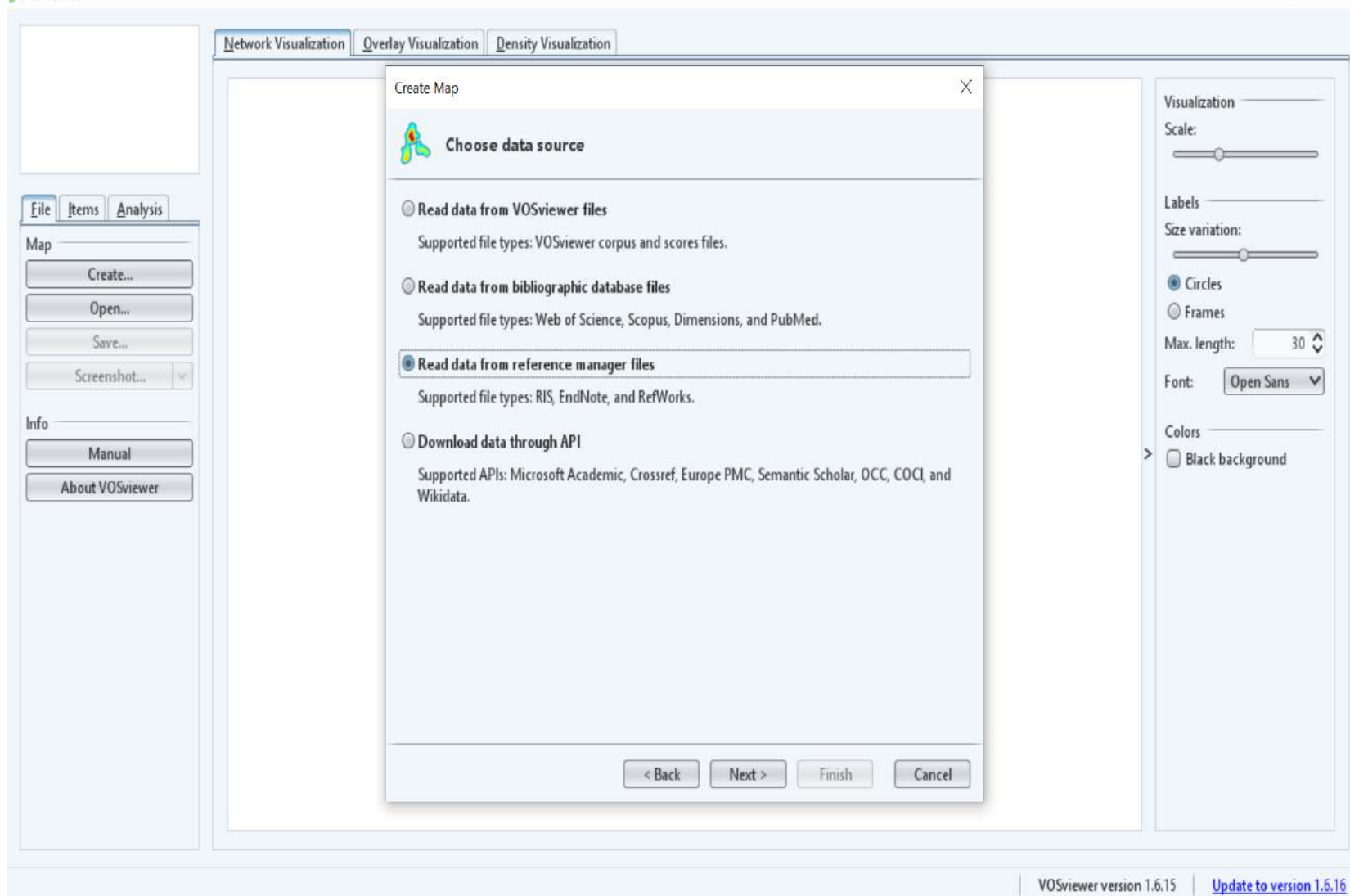


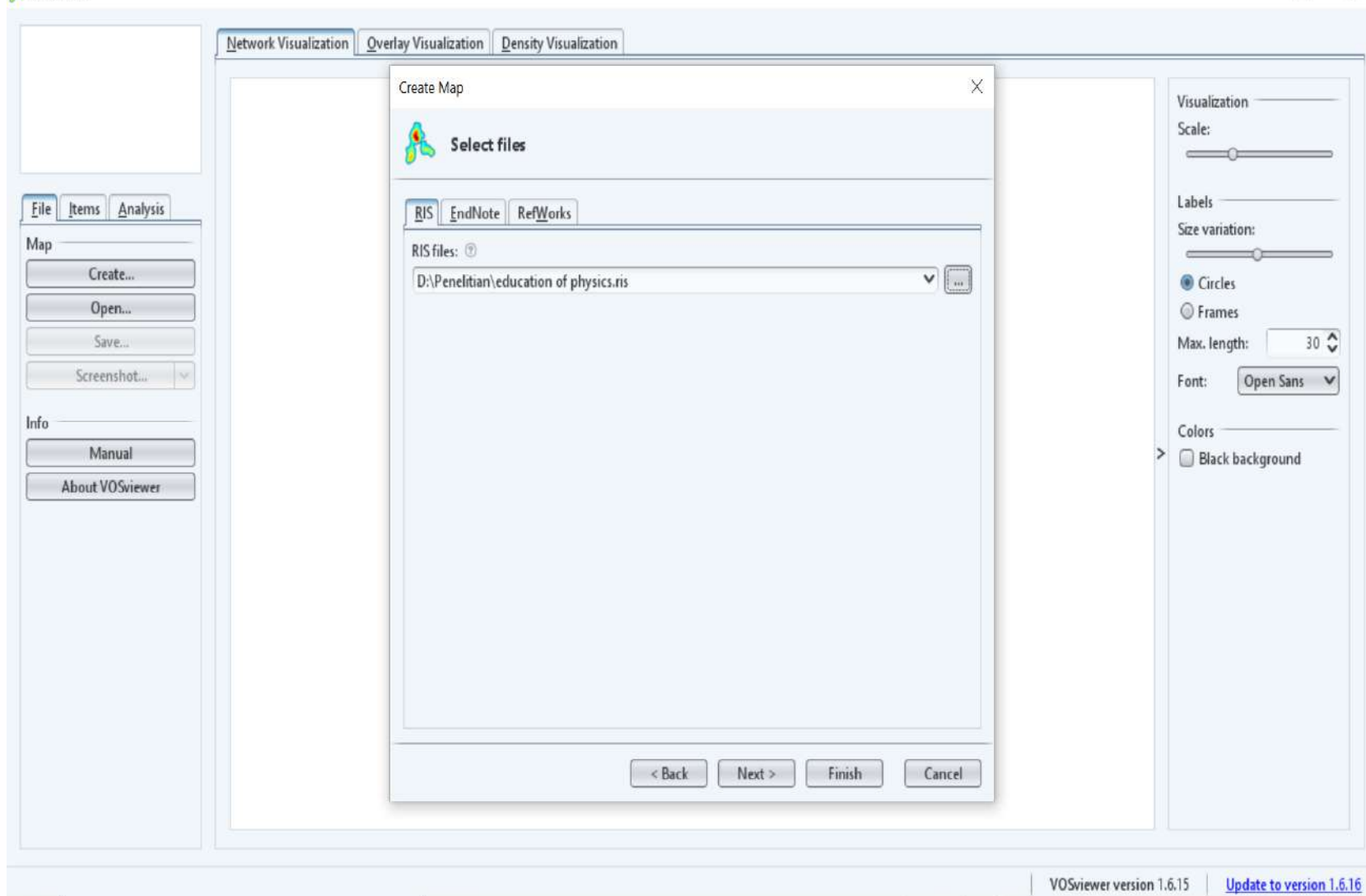


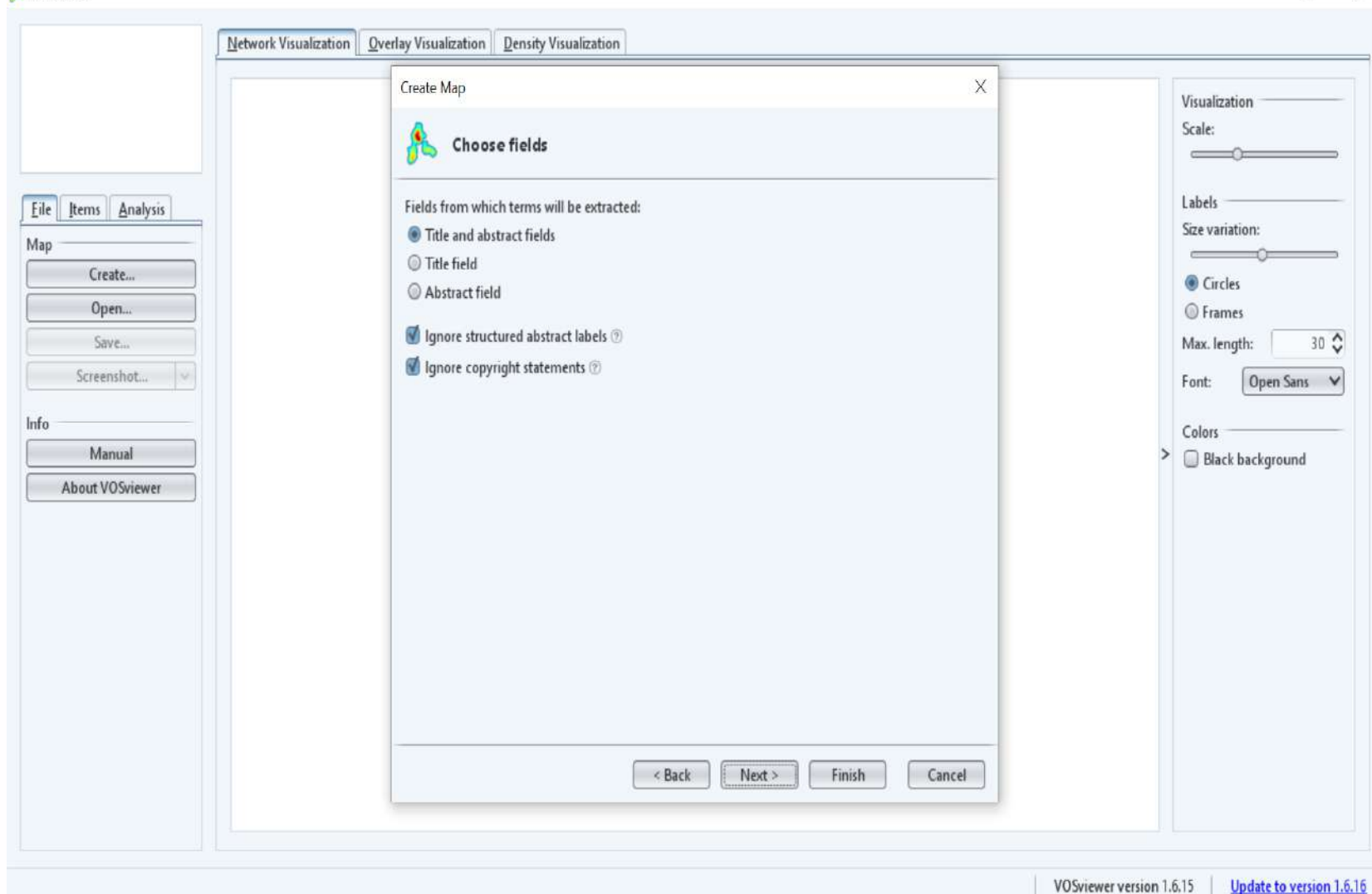
The screenshot displays the VOSviewer software interface. A 'Create Map' dialog box is open, prompting the user to 'Choose type of data'. The dialog has three radio button options:

- ☐ Create a map based on network data
Choose this option to create a map based on network data.
- ☐ Create a map based on bibliographic data
Choose this option to create a co-authorship, keyword co-occurrence, citation, bibliographic coupling, or co-citation map based on bibliographic data.
- ☒ Create a map based on text data
Choose this option to create a term co-occurrence map based on text data.

At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. The background interface shows the 'Network Visualization' tab selected, with a sidebar on the left containing 'File', 'Items', and 'Analysis' menus. The 'Items' menu is open, showing 'Map' (with 'Create...', 'Open...', 'Save...', and 'Screenshot...' options) and 'Info' (with 'Manual' and 'About VOSviewer' options). On the right, there are sliders for 'Scale' and 'Size variation', and dropdowns for 'Labels' (set to 'Circles'), 'Max. length' (set to 30), and 'Font' (set to 'Open Sans'). A 'Colors' section with a 'Black background' checkbox is also visible.







UIN Suka untuk Bangsa
UIN Suka Mendunia

UIN Sunan Kalijaga
Builds the Nation and Goes Global

جامعة سونان كاليجاكا الإسلامية الحكومية
من أجل الوطن والعالم

VOSviewer

Network Visualization Overlay Visualization Density Visualization

Create Map

Choose fields

Fields from which terms will be extracted:

- ☒ Title and abstract fields
- ☐ Title field
- ☐ Abstract field
- ☒ Ignore structured abstract labels ?
- ☒ Ignore copyright statements ?

< Back Next > Finish Cancel

Visualization

Scale:

Labels

Size variation:

☒ Circles

☐ Frames

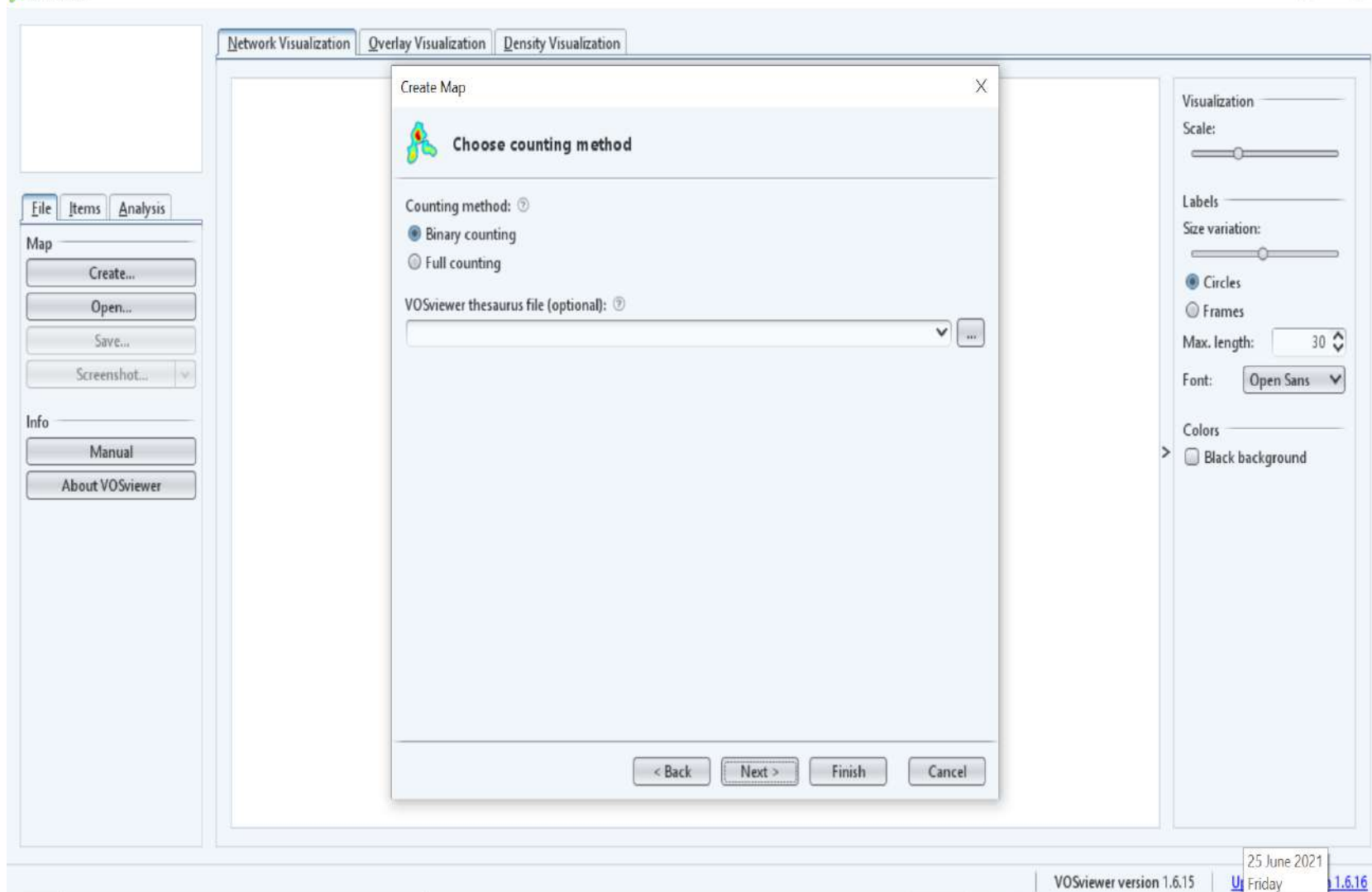
Max. length: 30

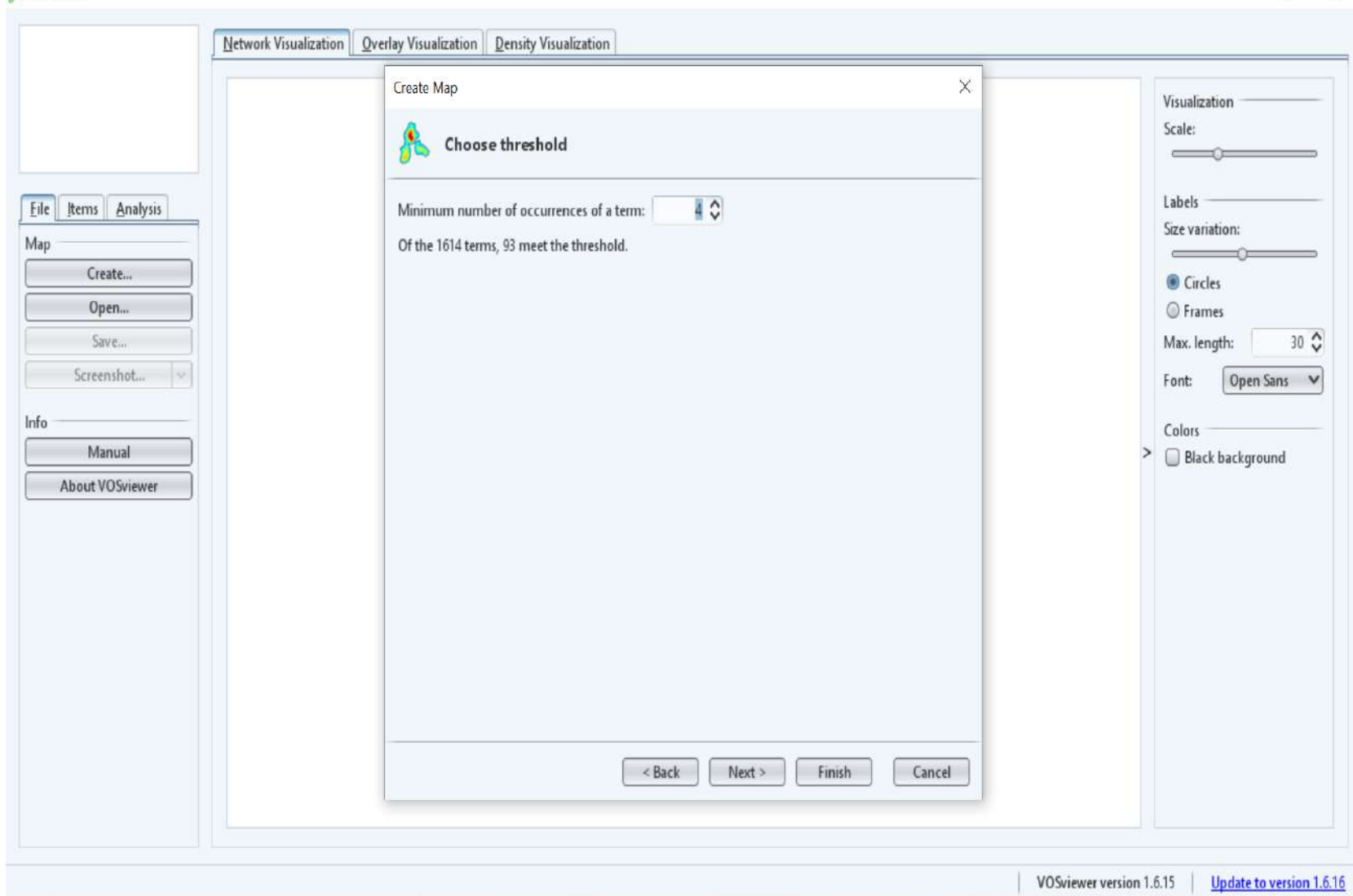
Font: Open Sans

Colors

☐ Black background

VOSviewer version 1.6.15 [Update to version 1.6.16](#)





The screenshot displays the VOSviewer software interface. A 'Create Map' dialog box is open, prompting the user to 'Choose threshold'. The dialog shows a minimum number of occurrences of a term set to 1, with a note that 93 of 1614 terms meet this threshold. The background interface includes a sidebar with 'File', 'Items', and 'Analysis' tabs, and a main area with 'Network Visualization', 'Overlay Visualization', and 'Density Visualization' options. The right sidebar contains settings for 'Visualization' (Scale), 'Labels' (Size variation, Max. length, Font), and 'Colors' (Black background).

File Items Analysis

Map

Create...

Open...

Save...

Screenshot...

Info

Manual

About VOSviewer

Network Visualization Overlay Visualization Density Visualization

Create Map

Choose threshold

Minimum number of occurrences of a term: 1

Of the 1614 terms, 93 meet the threshold.

< Back Next > Finish Cancel

Visualization

Scale:

Labels

Size variation:

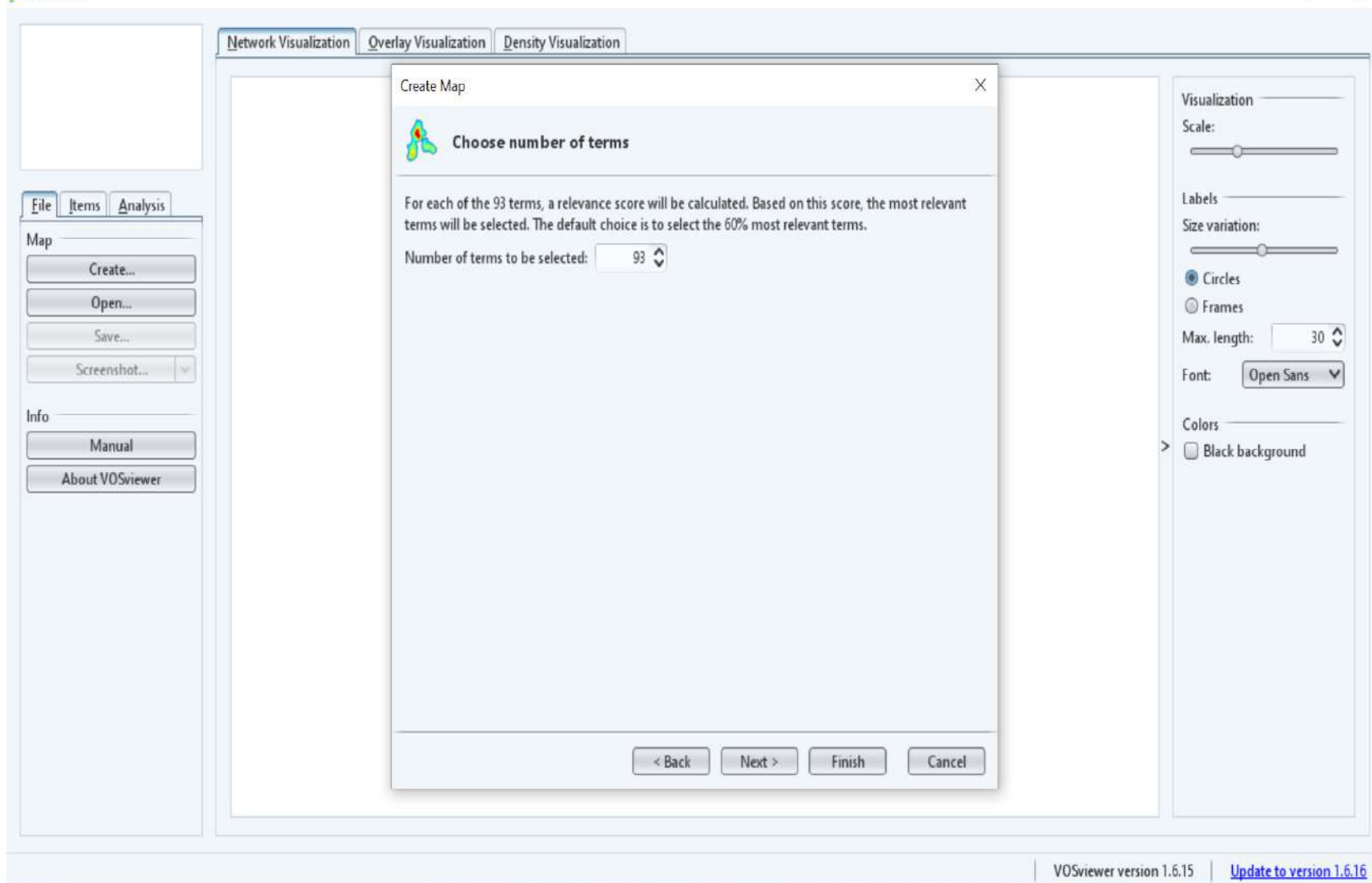
Max. length: 30

Font: Open Sans

Colors

> ☐ Black background

VOSviewer version 1.6.15 [Update to version 1.6.16](#)



The screenshot shows the VOSviewer software interface. A 'Create Map' dialog box is open in the center, titled 'Choose number of terms'. It contains the following text: 'For each of the 93 terms, a relevance score will be calculated. Based on this score, the most relevant terms will be selected. The default choice is to select the 60% most relevant terms.' Below this text is a label 'Number of terms to be selected:' followed by a spinner box showing the value '93'. At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

The background interface includes a top menu bar with 'File', 'Items', and 'Analysis'. On the left is a sidebar with 'Map' (containing 'Create...', 'Open...', 'Save...', 'Screenshot...') and 'Info' (containing 'Manual', 'About VOSviewer') sections. The main area has three tabs: 'Network Visualization', 'Overlay Visualization', and 'Density Visualization'. On the right is a 'Visualization' panel with sliders for 'Scale' and 'Size variation', radio buttons for 'Circles' (selected) and 'Frames', a 'Max. length' spinner set to '30', a 'Font' dropdown set to 'Open Sans', and a 'Colors' section with a checked 'Black background' option.

At the bottom right of the window, it says 'VOSviewer version 1.6.15' and provides a link to 'Update to version 1.6.16'.

File

Items

Analysis

Map

Create...

Open...

Save...

Screenshot...

Info

Manual

About VOSviewer

Network Visualization

Overlay Visualization

Density Visualization

Create Map

Verify selected terms

Selected	Term	Occurrences	Relevance
☒	analysis	10	0.58
☒	environment	6	0.58
☒	science	25	0.56
☒	effect	18	0.56
☒	force	5	0.55
☒	school	18	0.54
☒	teaching	13	0.51
☒	discipline	7	0.51
☒	attitude	9	0.46
☒	information	7	0.46
☒	approach	17	0.46
☒	indonesia	8	0.42
☒	study	40	0.38
☒	model	22	0.33
☒	challenge	4	0.32
☒	motivation	9	0.31
☒	sample	5	0.23
☒	work	9	0.22
☒	evidence	6	0.14
☒	education	93	0.05
☒	physics	136	0.00

< Back

Next >

Finish

Cancel

Visualization

Scale:

Labels

Size variation:

☒ Circles

☐ Frames

Max. length: 30

Font: Open Sans

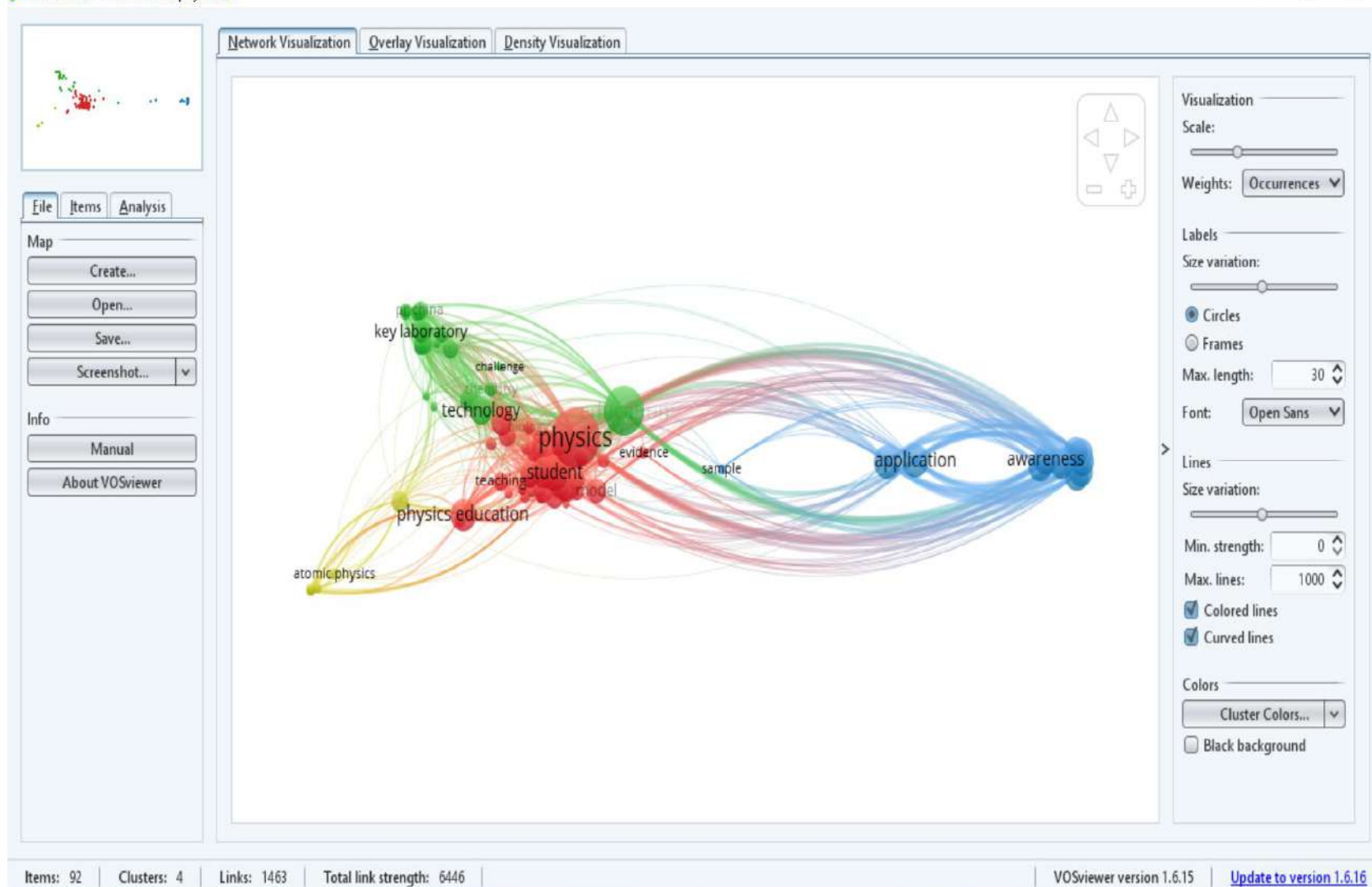
Colors

☐ Black background

VOSviewer version 1.6.15

[Update to version 1.6.16](#)

VOSviewer - education of physics.ris



VOSviewer - education of physics.ris

