

ACCESS and LIBRARY MANUAL

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COUNTER Statistics



COUNTER (Counting Online Usage of Networked Electronic Resources) is an initiative formed by **NISO (National Information Standards Organization)**. Libraries and publishers wish to make available consistent, credible, and comparable usage reporting. In this light, COUNTER helps libraries understand how content they obtain from a variety of vendors and publishers is being used.

For a publisher or vendor to be considered “COUNTER-compliant,” they must undergo an independent audit to show compliance with the COUNTER Code of Practice (that their usage reports follow the standard reporting structure).

In terms of the usage reports provided, COUNTER reports include usage information on journals, databases and books, and provide standards for recording & reporting online usage stats for consistency, credibility & compatibility among vendors.

Release 5 is designed to balance the needs of quality reports with the need to make things simpler so that all content providers can achieve compliance and librarians can have usage statistics that are credible, consistent and comparable.

Trans Tech Publications Ltd. provides its subscribers with Counter Reports 4 and 5.

If you want more information on the latest release for the Code of Practice, the Project COUNTER website has further details, or stay on Editor Resources for more detail on understanding research metrics.

STATISTICS FOR LIBRARIES

Follow our step-by-step instructions to start the reviewing process.

Step 1. Library Home

Log in to your account and select the **LIBRARY** role on the top menu. You will see your library main menu. Menu tabs for Library comprise four sections:

LIBRARY HOME DOCUMENTS COUNTER REPORTS R4 COUNTER REPORTS R5



Dear Sir or Madam,

Welcome to the Librarian Area of Scientific.Net!

Step 2. Documents

By clicking on **DOCUMENTS** you get to a screen where you can see **how many papers have been downloaded** during a specific time period (weeks, months, years, etc.).

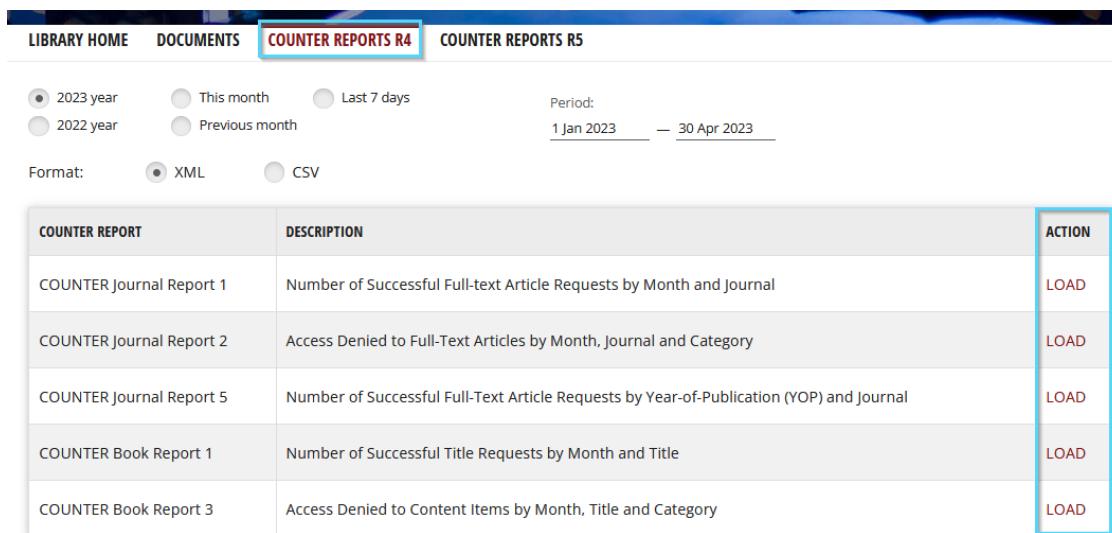


Subscribed: Each time a user downloads the PDF of a paper to which he has access (only PDF downloads are counted, first page views are not counted).

Unsubscribed: Shows how many times a user tried to download a paper to which he does not have access. Without access a user can only open the first page of the paper; each time he opens this first page is counted.

→ Step 3. Counter Reports R4

Clicking on **COUNTER REPORTS R4** you will get to an interface that allows you to **download reports with download statistics**. Simply select the period (year, month, last 7 days or any other period from the calendar) you are interested in, the data format (XML or CSV) and click on the **Load** button in order to have the download window pop up asking you where you want to save the file.



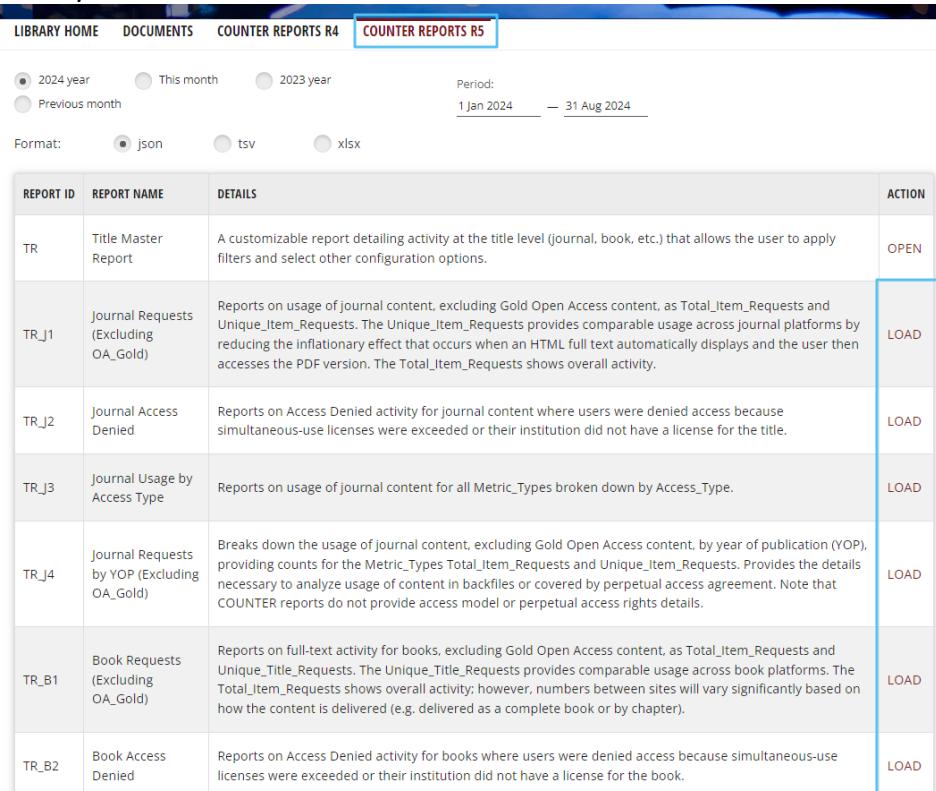
The screenshot shows the 'COUNTER REPORTS R4' tab selected in the top navigation bar. Below the tabs are filters for period (2023 year, This month, Last 7 days, 2022 year, Previous month) and format (XML, CSV). A table lists six reports with their descriptions and a 'LOAD' button in the 'ACTION' column.

COUNTER REPORT	DESCRIPTION	ACTION
COUNTER Journal Report 1	Number of Successful Full-text Article Requests by Month and Journal	LOAD
COUNTER Journal Report 2	Access Denied to Full-Text Articles by Month, Journal and Category	LOAD
COUNTER Journal Report 5	Number of Successful Full-Text Article Requests by Year-of-Publication (YOP) and Journal	LOAD
COUNTER Book Report 1	Number of Successful Title Requests by Month and Title	LOAD
COUNTER Book Report 3	Access Denied to Content Items by Month, Title and Category	LOAD

You can find more information about these reports at <https://www.projectcounter.org/code-of-practice-sections/usage-reports/>.

→ Step 4. Counter Reports R5

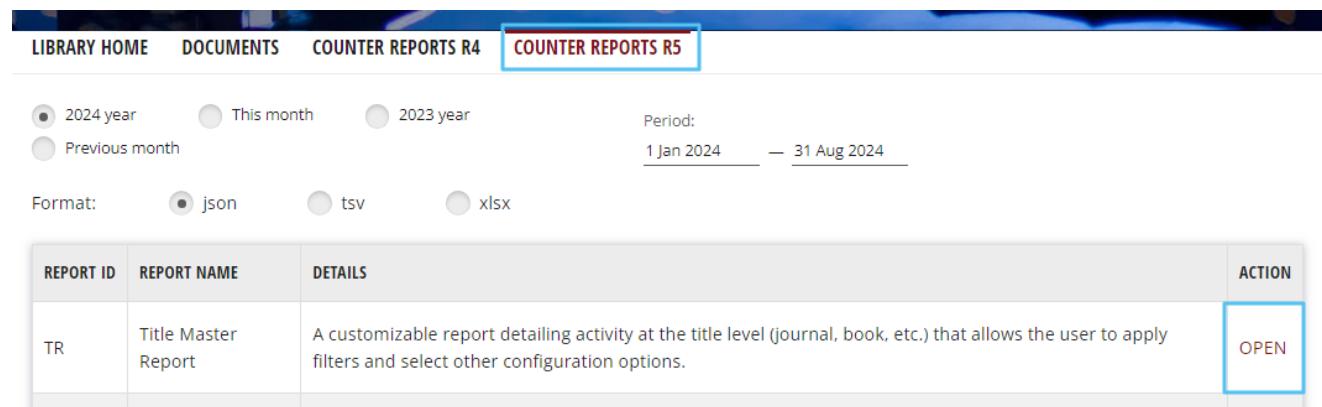
The **COUNTER REPORTS R5** tab takes you to a screen where you can **download your reports on usage of the journals content** for a certain period of time. You can adjust the needed period manually.



The screenshot shows the 'COUNTER REPORTS R5' tab selected in the top navigation bar. Below the tabs are filters for period (2024 year, This month, 2023 year, Previous month) and format (json, tsv, xlsx). A table lists eight reports with their descriptions and a 'LOAD' button in the 'ACTION' column.

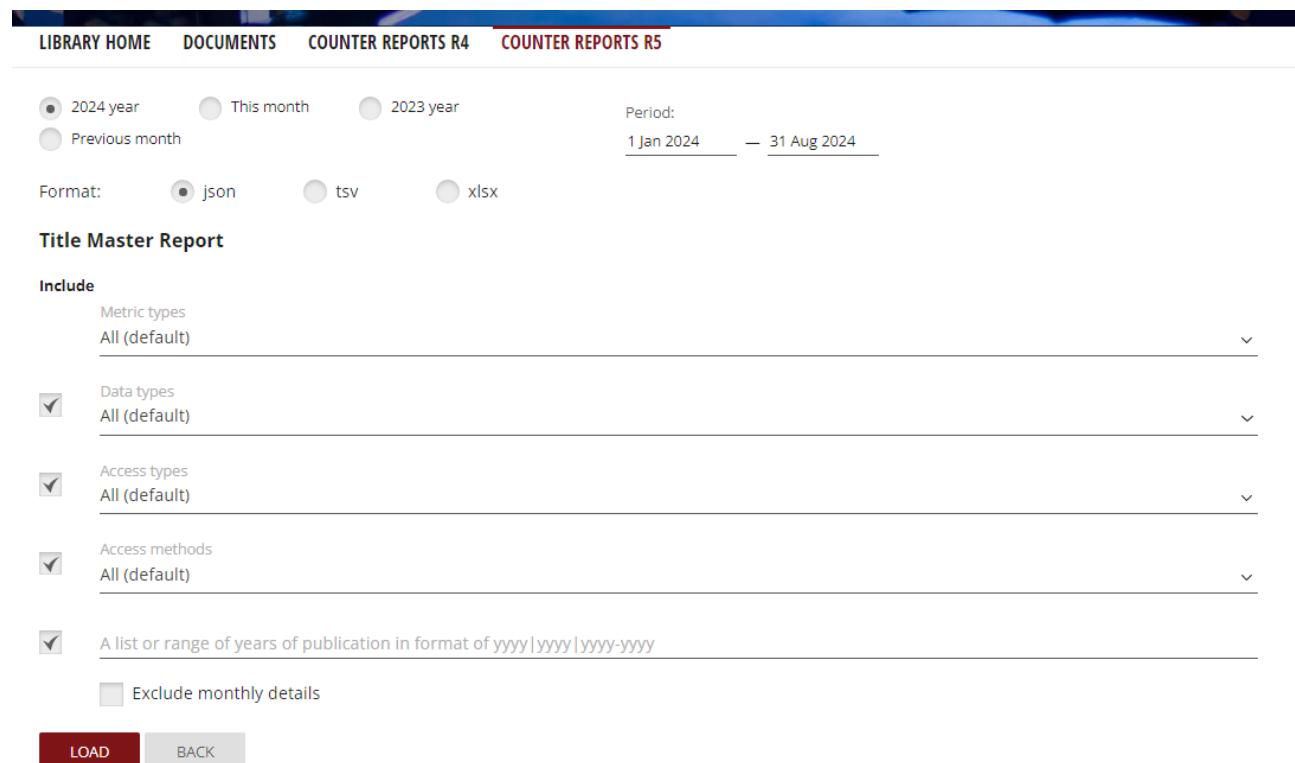
REPORT ID	REPORT NAME	DETAILS	ACTION
TR	Title Master Report	A customizable report detailing activity at the title level (journal, book, etc.) that allows the user to apply filters and select other configuration options.	OPEN
TR_J1	Journal Requests (Excluding OA_Gold)	Reports on usage of journal content, excluding Gold Open Access content, as Total_Item_Requests and Unique_Item_Requests. The Unique_Item_Requests provides comparable usage across journal platforms by reducing the inflationary effect that occurs when an HTML full text automatically displays and the user then accesses the PDF version. The Total_Item_Requests shows overall activity.	LOAD
TR_J2	Journal Access Denied	Reports on Access Denied activity for journal content where users were denied access because simultaneous-use licenses were exceeded or their institution did not have a license for the title.	LOAD
TR_J3	Journal Usage by Access Type	Reports on usage of journal content for all Metric_Types broken down by Access_Type.	LOAD
TR_J4	Journal Requests by YOP (Excluding OA_Gold)	Breaks down the usage of journal content, excluding Gold Open Access content, by year of publication (YOP), providing counts for the Metric_Types Total_Item_Requests and Unique_Item_Requests. Provides the details necessary to analyze usage of content in backfiles or covered by perpetual access agreement. Note that COUNTER reports do not provide access model or perpetual access rights details.	LOAD
TR_B1	Book Requests (Excluding OA_Gold)	Reports on full-text activity for books, excluding Gold Open Access content, as Total_Item_Requests and Unique_Title_Requests. The Unique_Title_Requests provides comparable usage across book platforms. The Total_Item_Requests shows overall activity; however, numbers between sites will vary significantly based on how the content is delivered (e.g. delivered as a complete book or by chapter).	LOAD
TR_B2	Book Access Denied	Reports on Access Denied activity for books where users were denied access because simultaneous-use licenses were exceeded or their institution did not have a license for the book.	LOAD

In addition to standard reports, it is possible to generate a customized **Title Master Report**.



REPORT ID	REPORT NAME	DETAILS	ACTION
TR	Title Master Report	A customizable report detailing activity at the title level (journal, book, etc.) that allows the user to apply filters and select other configuration options.	OPEN

You can select and set the required parameters manually.



Title Master Report

Include

- Metric types
All (default)
- Data types
All (default)
- Access types
All (default)
- Access methods
All (default)
- A list or range of years of publication in format of yyyy|yyyy|yyyy-yyy
- Exclude monthly details

LOAD **BACK**

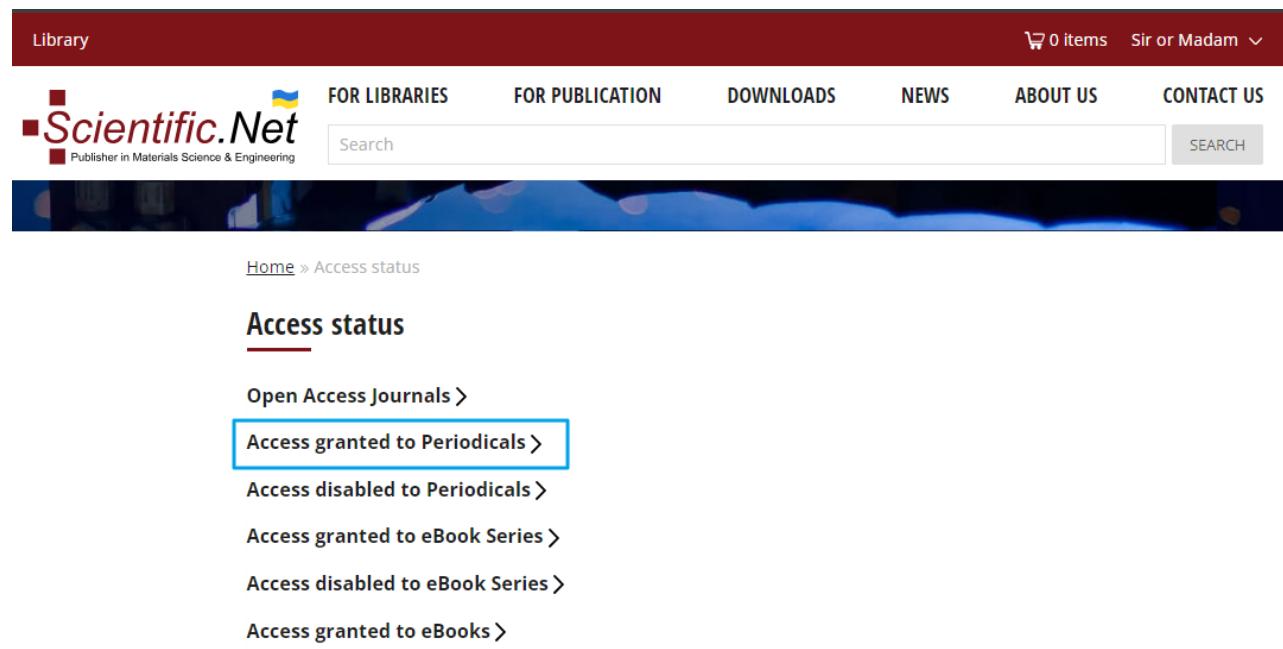
ACCESS TO PERIODICALS

To access the periodicals that are open for your account, please follow the steps:

1. Visit www.scientific.net website.
2. Log in to your User account in the top right corner of the webpage and click on the “Access Status” menu as shown in the screenshot below:

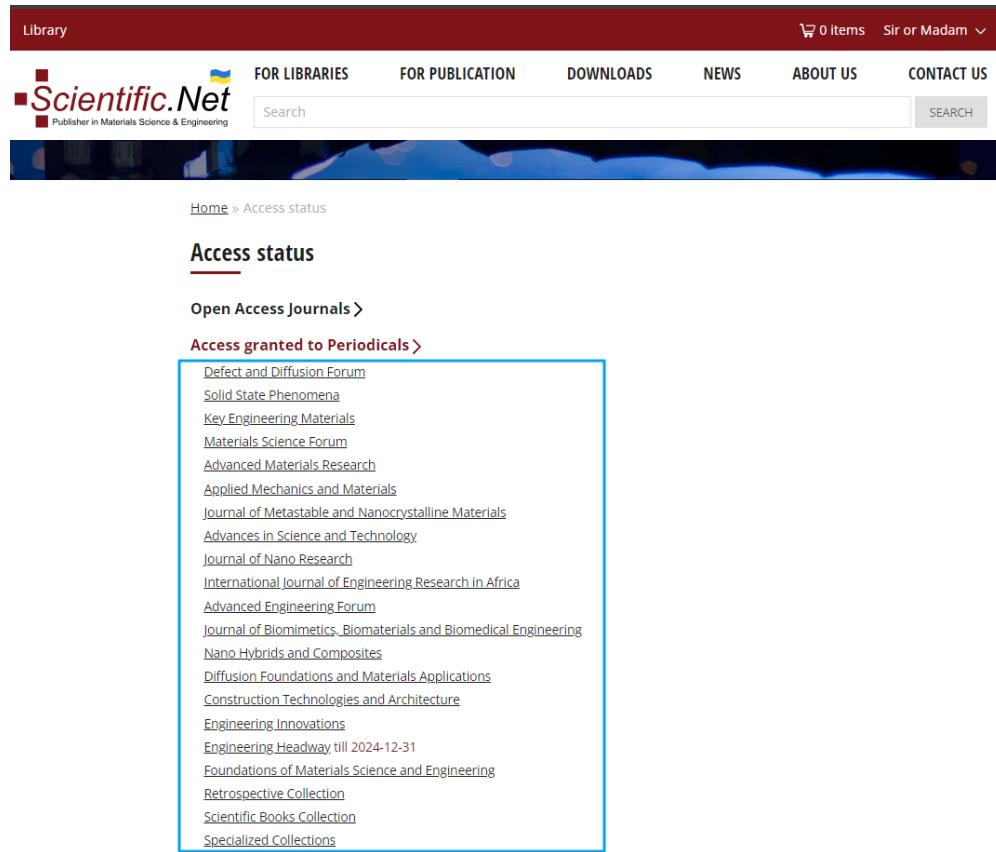


3. Click on “Access granted to Periodicals”:



The screenshot shows the 'Access status' page on the Scientific.Net website. The 'Access granted to Periodicals' link is highlighted with a blue box. Other links visible include 'Open Access Journals', 'Access disabled to Periodicals', 'Access granted to eBook Series', 'Access disabled to eBook Series', and 'Access granted to eBooks'.

4. Under the “Access granted to Periodicals” you will have a full access to the list of all subscribed periodicals:



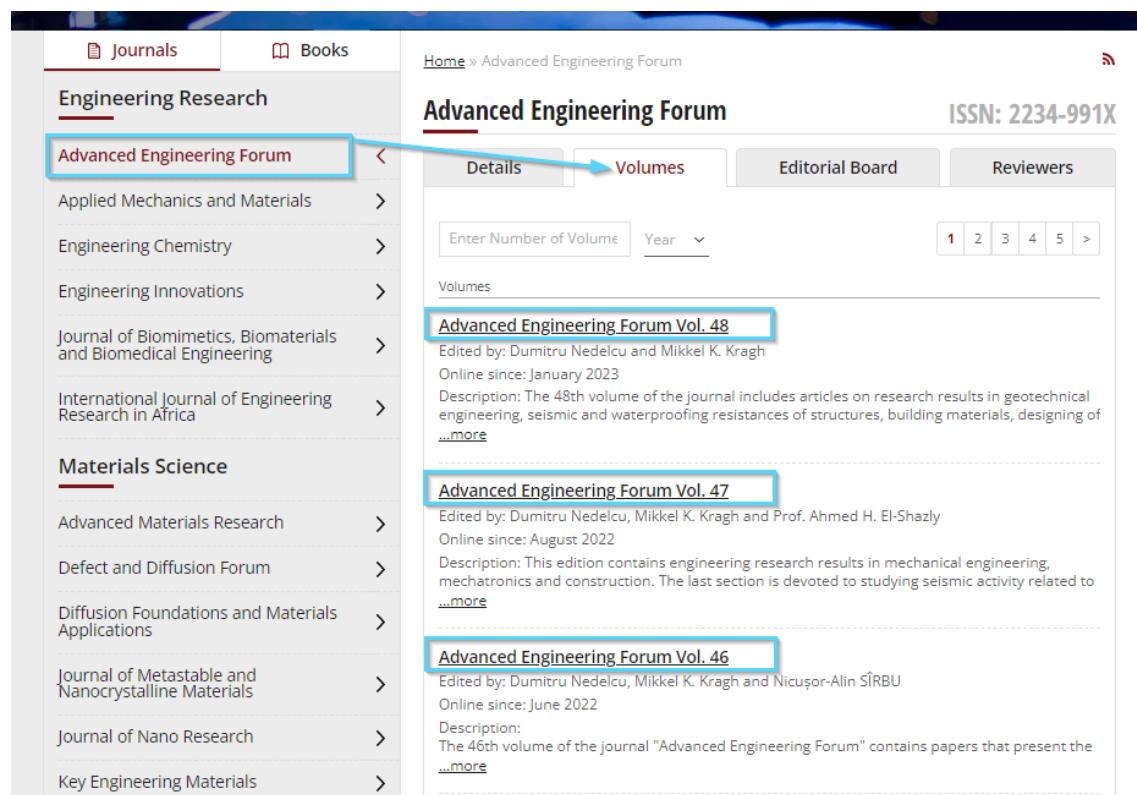
Access status

Open Access Journals >

Access granted to Periodicals >

- Defect and Diffusion Forum
- Solid State Phenomena
- Key Engineering Materials
- Materials Science Forum
- Advanced Materials Research
- Applied Mechanics and Materials
- Journal of Metastable and Nanocrystalline Materials
- Advances in Science and Technology
- Journal of Nano Research
- International Journal of Engineering Research in Africa
- Advanced Engineering Forum
- Journal of Biomimetics, Biomaterials and Biomedical Engineering
- Nano Hybrids and Composites
- Diffusion Foundations and Materials Applications
- Construction Technologies and Architecture
- Engineering Innovations
- Engineering Headway till 2024-12-31
- Foundations of Materials Science and Engineering
- Retrospective Collection
- Scientific Books Collection
- Specialized Collections

5. Select the periodical. The list of volumes will be available under the periodical title in the tab "Volumes":



Home > Advanced Engineering Forum

Advanced Engineering Forum ISSN: 2234-991X

Details Volumes Editorial Board Reviewers

Enter Number of Volume Year 1 2 3 4 5 >

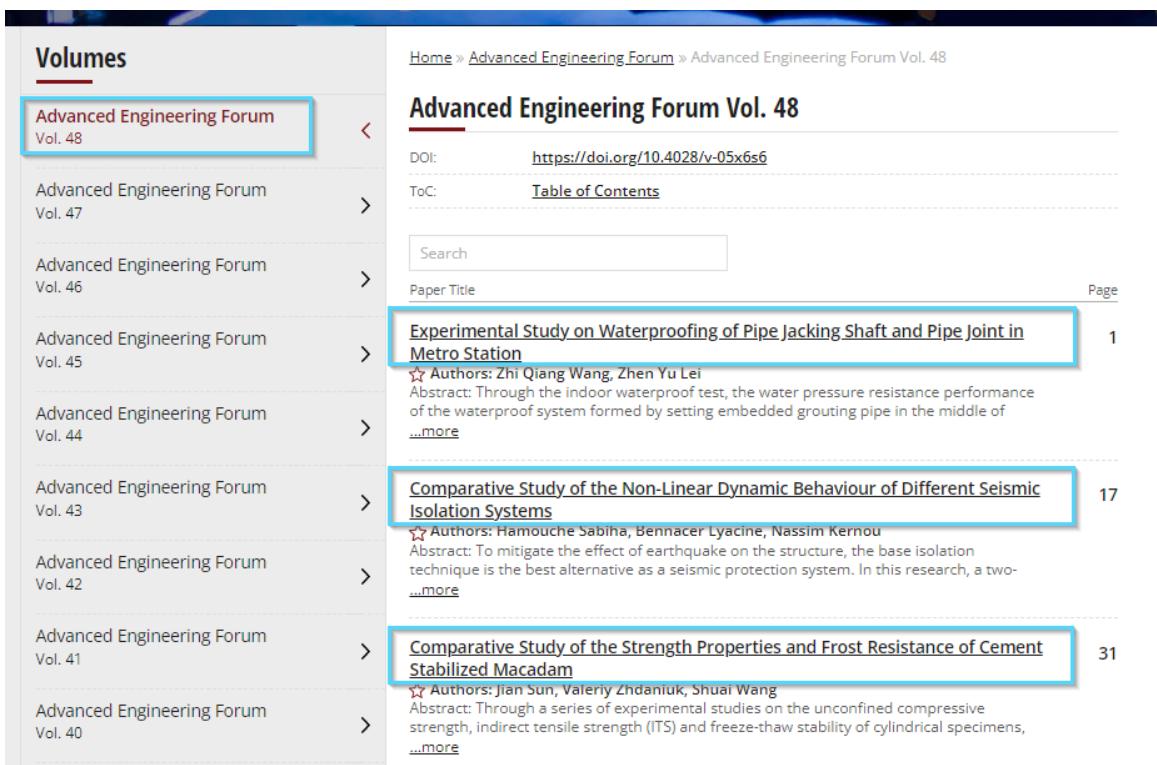
Volumes

Advanced Engineering Forum Vol. 48
Edited by: Dumitru Nedelcu and Mikkel K. Kragh
Online since: January 2023
Description: The 48th volume of the journal includes articles on research results in geotechnical engineering, seismic and waterproofing resistances of structures, building materials, designing of ...more

Advanced Engineering Forum Vol. 47
Edited by: Dumitru Nedelcu, Mikkel K. Kragh and Prof. Ahmed H. El-Shazly
Online since: August 2022
Description: This edition contains engineering research results in mechanical engineering, mechatronics and construction. The last section is devoted to studying seismic activity related to ...more

Advanced Engineering Forum Vol. 46
Edited by: Dumitru Nedelcu, Mikkel K. Kragh and Nicușor-Alin SÎRBU
Online since: June 2022
Description: The 46th volume of the journal "Advanced Engineering Forum" contains papers that present the ...more

6. Please click on the Volume to open the list of articles:



Home > Advanced Engineering Forum > Advanced Engineering Forum Vol. 48

Advanced Engineering Forum Vol. 48

DOI: <https://doi.org/10.4028/v-05x6s6>

ToC: [Table of Contents](#)

Search

Paper Title

Page

Experimental Study on Waterproofing of Pipe Jacking Shaft and Pipe Joint in Metro Station 1

Authors: Zhi Qiang Wang, Zhen Yu Lei
Abstract: Through the indoor waterproof test, the water pressure resistance performance of the waterproof system formed by setting embedded grouting pipe in the middle of ...[more](#)

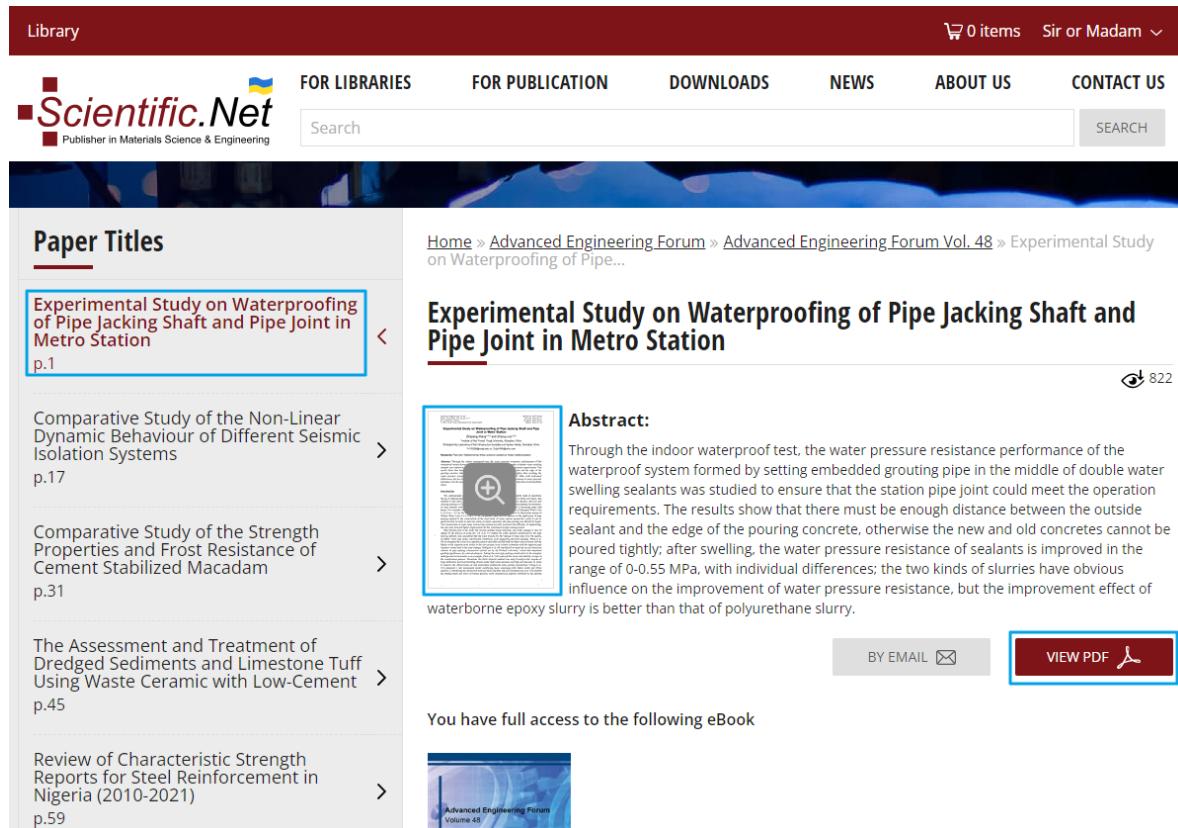
Comparative Study of the Non-Linear Dynamic Behaviour of Different Seismic Isolation Systems 17

Authors: Hamouche Sabiha, Bennacer Lyacine, Nassim Kernou
Abstract: To mitigate the effect of earthquake on the structure, the base isolation technique is the best alternative as a seismic protection system. In this research, a two-...[more](#)

Comparative Study of the Strength Properties and Frost Resistance of Cement Stabilized Macadam 31

Authors: Jian Sun, Valeriy Zhdaniuk, Shuai Wang
Abstract: Through a series of experimental studies on the unconfined compressive strength, indirect tensile strength (ITS) and freeze-thaw stability of cylindrical specimens, ...[more](#)

7. Select an article. You can access its full text by clicking on the button "VIEW PDF" available below the Abstract:



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SEARCH

Paper Titles

Experimental Study on Waterproofing of Pipe Jacking Shaft and Pipe Joint in Metro Station p.1

Comparative Study of the Non-Linear Dynamic Behaviour of Different Seismic Isolation Systems p.17

Comparative Study of the Strength Properties and Frost Resistance of Cement Stabilized Macadam p.31

The Assessment and Treatment of Dredged Sediments and Limestone Tuff Using Waste Ceramic with Low-Cement p.45

Review of Characteristic Strength Reports for Steel Reinforcement in Nigeria (2010-2021) p.59

Home > Advanced Engineering Forum > Advanced Engineering Forum Vol. 48 > Experimental Study on Waterproofing of Pipe...

Experimental Study on Waterproofing of Pipe Jacking Shaft and Pipe Joint in Metro Station

822

Abstract:

Through the indoor waterproof test, the water pressure resistance performance of the waterproof system formed by setting embedded grouting pipe in the middle of double water swelling sealants was studied to ensure that the station pipe joint could meet the operation requirements. The results show that there must be enough distance between the outside sealant and the edge of the pouring concrete, otherwise the new and old concretes cannot be poured tightly; after swelling, the water pressure resistance of sealants is improved in the range of 0-0.55 MPa, with individual differences: the two kinds of slurries have obvious influence on the improvement of water pressure resistance, but the improvement effect of waterborne epoxy slurry is better than that of polyurethane slurry.

BY EMAIL

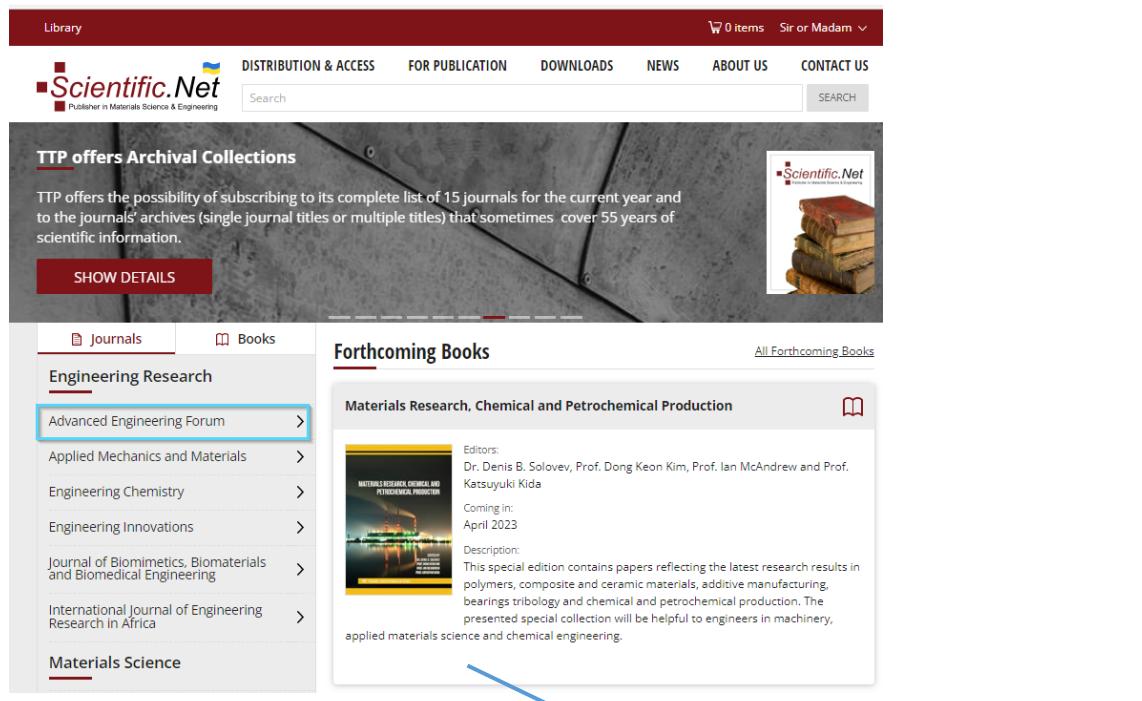
VIEW PDF

You have full access to the following eBook

Advanced Engineering Forum Volume 48

NOTE:

You can skip steps 2-5 and select the periodical from the list appearing on the left side after you access the www.scientific.net website:



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TPP offers the possibility of subscribing to its complete list of 15 journals for the current year and to the journals' archives (single journal titles or multiple titles) that sometimes cover 55 years of scientific information.

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Journals **Books**

Engineering Research

- Advanced Engineering Forum** >
- Applied Mechanics and Materials >
- Engineering Chemistry >
- Engineering Innovations >
- Journal of Biomimetics, Biomaterials and Biomedical Engineering >
- International Journal of Engineering Research in Africa >

Materials Science

Forthcoming Books [All Forthcoming Books](#)

Materials Research, Chemical and Petrochemical Production

Editors: Dr. Denis B. Solovev, Prof. Dong Keon Kim, Prof. Ian McAndrew and Prof. Katsuyuki Kida
 Coming in: April 2023
 Description: This special edition contains papers reflecting the latest research results in polymers, composite and ceramic materials, additive manufacturing, bearings tribology and chemical and petrochemical production. The presented special collection will be helpful to engineers in machinery, applied materials science and chemical engineering.

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Advanced Engineering Forum **ISSN: 2234-991X**

Details **Volumes** **Editorial Board** **Reviewers**

Enter Number of Volume **Year** **1 2 3 4 5 >**

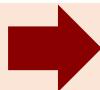
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 Online since: June 2022
 Description: The 46th volume of the journal "Advanced Engineering Forum" contains papers that present the ...
[more](#)

All further steps will be the same.



ACCESS TO eBOOKS

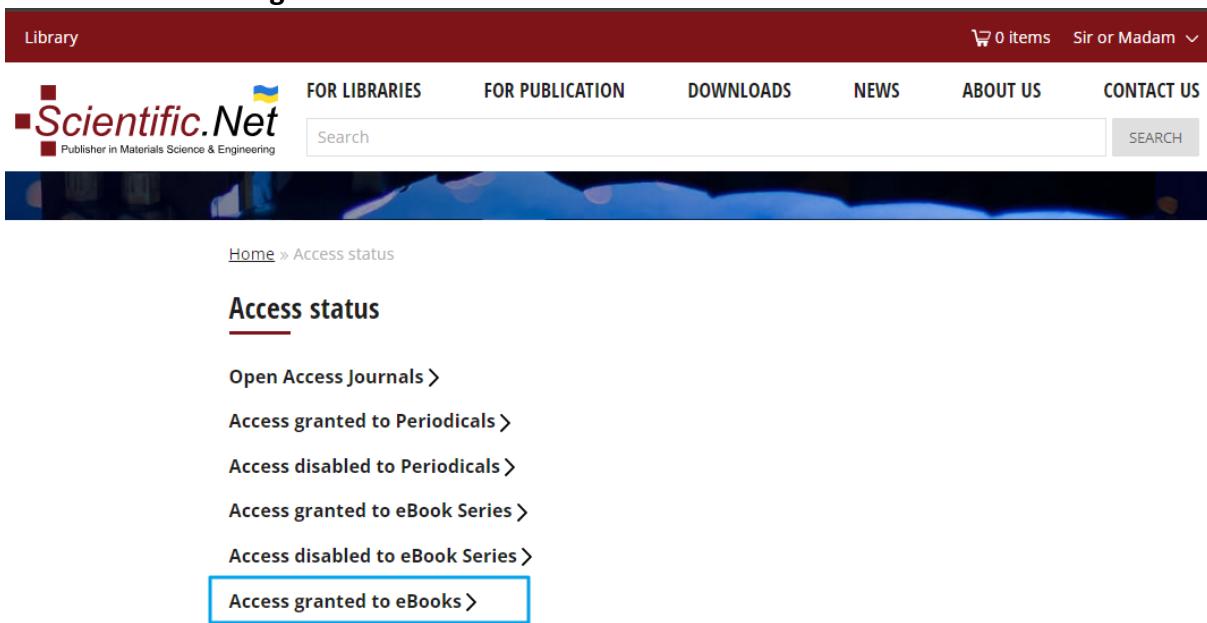
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The screenshot shows the top navigation bar of the Scientific.Net website. The 'Sir or Madam' dropdown menu is open, and the 'Access Status' option is highlighted with a red box and an arrow pointing to it. The menu also includes 'My eBooks', 'My Purchases', and 'Log Off'.

3. *Click on “Access granted to eBooks”:



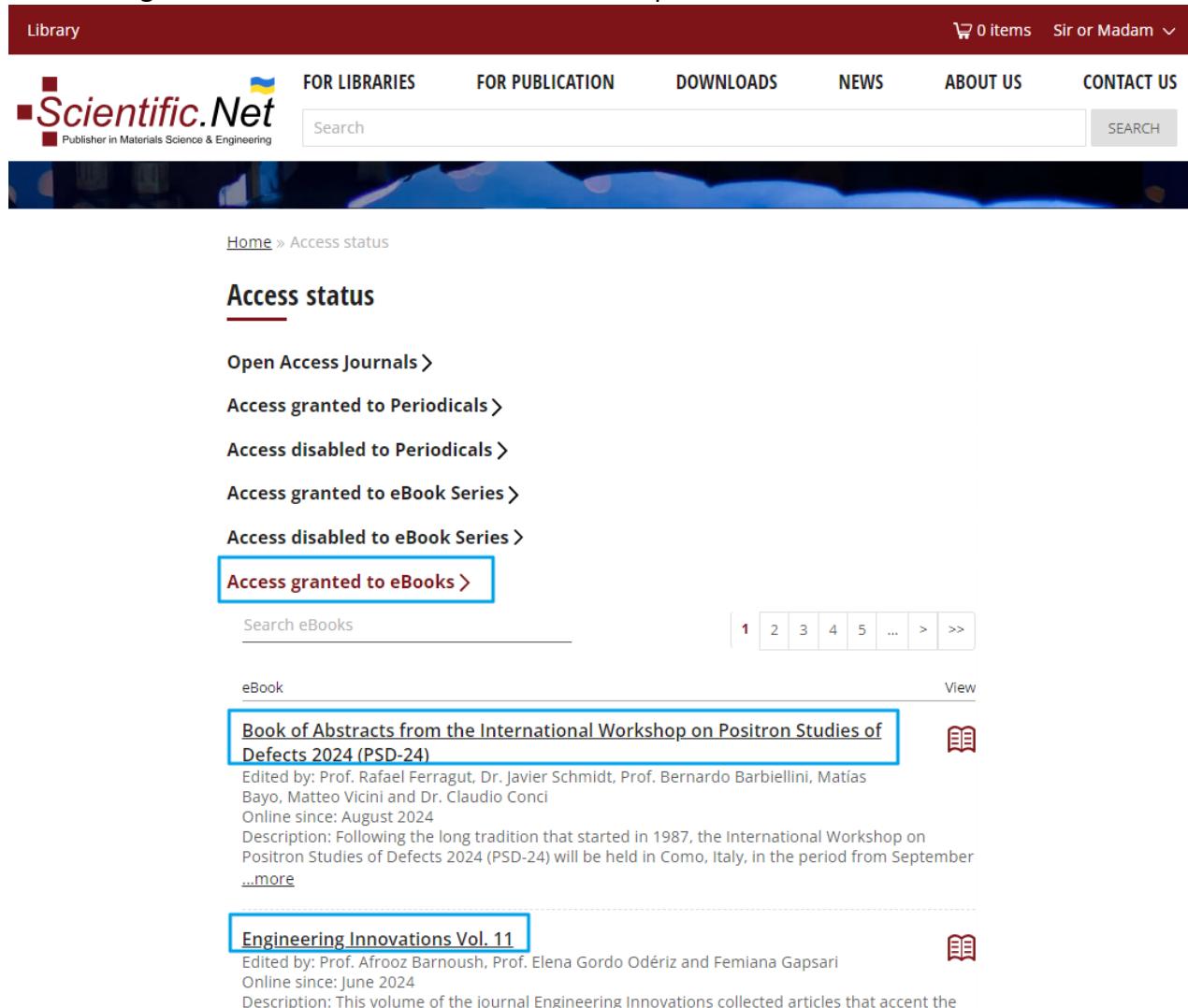
The screenshot shows the 'Access status' page. Under the 'Access granted to eBooks' section, the 'Access granted to eBooks >' link is highlighted with a red box.

*Alternatively, skip the steps 3-4 and go to "My eBooks" after you access the www.scientific.net website:



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4. You will get the list of eBook titles as shown in the picture below:



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Access status

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- [Access granted to Periodicals >](#)
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1 2 3 4 5 ... > >>

eBook

[Book of Abstracts from the International Workshop on Positron Studies of Defects 2024 \(PSD-24\)](#)

Edited by: Prof. Rafael Ferragut, Dr. Javier Schmidt, Prof. Bernardo Barbiellini, Matías Bayo, Matteo Vicini and Dr. Claudio Conci
Online since: August 2024
Description: Following the long tradition that started in 1987, the International Workshop on Positron Studies of Defects 2024 (PSD-24) will be held in Como, Italy, in the period from September [...more](#)

[Engineering Innovations Vol. 11](#)

Edited by: Prof. Afroz Barnoush, Prof. Elena Gordo Odéz and Femiana Gapsari
Online since: June 2024
Description: This volume of the journal Engineering Innovations collected articles that accent the

5. You can download the eBook as PDF file by clicking on the “Download book” icon on the top:



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- Topology Optimization of Motorbike Footsteps Using Finite Element Method
- Analytical Prediction of Crushing Thin-Walled Square Tube with Static Axial Loads Using Elliptical Holes as Crush Initiators
- A Bibliometric Analysis of Suspension System Development for Enhancing Comfort in Family Passenger Vehicles
- Muffler Design for Noise Reduction and Pressure Loss Optimization Using Multiobjective Genetic Algorithm
- Development of Savonius Rotor Based on Bezier Curve for Vertical Axis Marine Current Turbine at Sunda Strait, Hindia Ocean
- The Effect of Deflector Angle on the Performance of Turbine Combination Darrieus-Savonius
- Minimizing Conditional Mean Tardiness and Mean Earliness on a Single Machine with the due Windows Approach
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- Author Index

ENGINEERING INNOVATIONS

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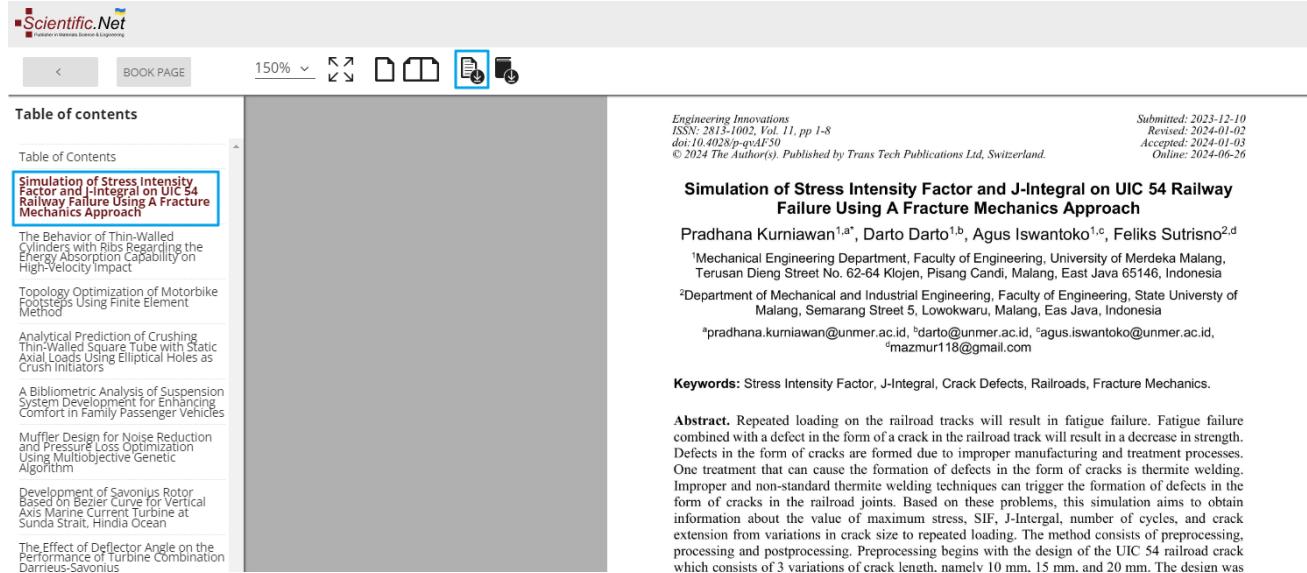


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Accepted: 2024-01-03
Online: 2024-06-26

Simulation of Stress Intensity Factor and J-Integral on UIC 54 Railway Failure Using A Fracture Mechanics Approach

Pradhana Kurniawan^{1,a}, Darto Darto^{1,b}, Agus Iswantoko^{1,c}, Feliks Sutrisno^{2,d}

¹Mechanical Engineering Department, Faculty of Engineering, University of Merdeka Malang, Terusan Dieng Street No. 62-64 Klojen, Pisang Candi, Malang, East Java 65146, Indonesia

²Department of Mechanical and Industrial Engineering, Faculty of Engineering, State University of Malang, Semarang Street 5, Lowokwaru, Malang, East Java, Indonesia

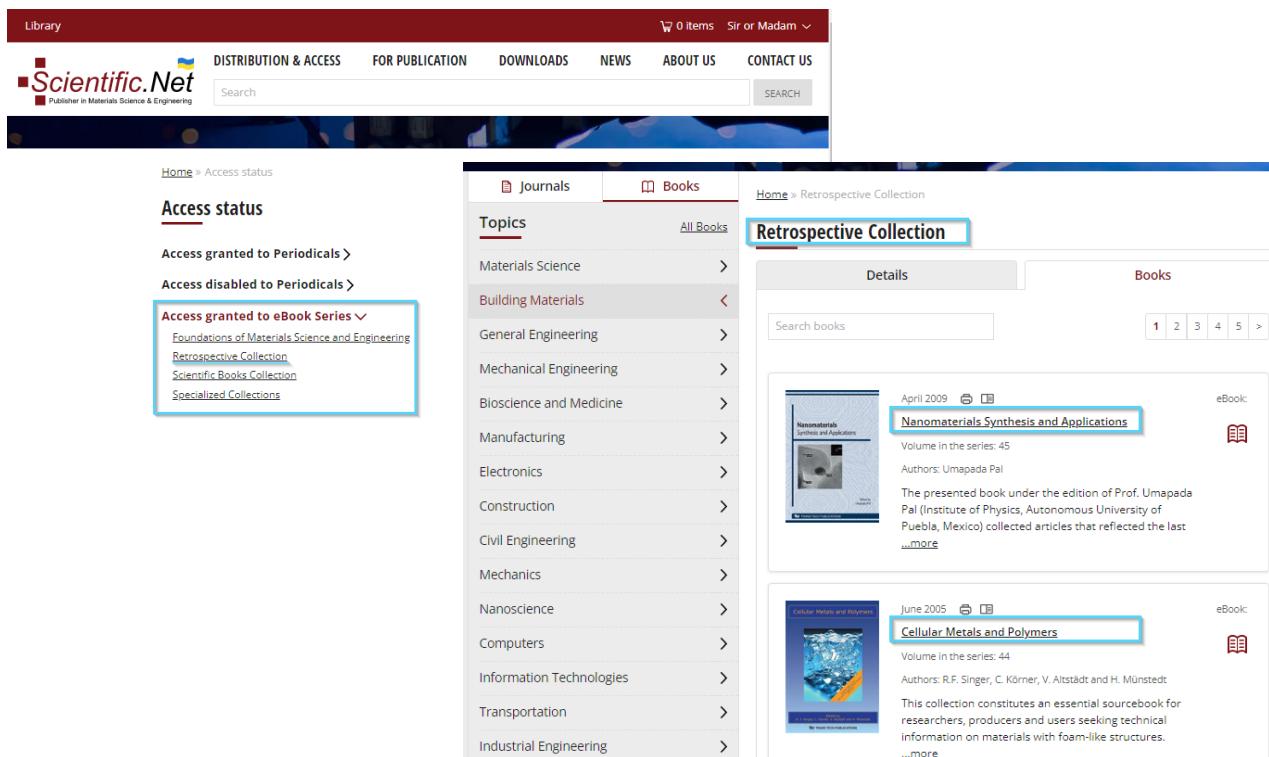
^apradhana.kurniawan@unmer.ac.id, ^bdarto@unmer.ac.id, ^cagus.iswantoko@unmer.ac.id, ^dmazmuri118@gmail.com

Keywords: Stress Intensity Factor, J-Integral, Crack Defects, Railroads, Fracture Mechanics.

Abstract. Repeated loading on the railroad tracks will result in fatigue failure. Fatigue failure combined with a defect in the form of a crack in the railroad track will result in a decrease in strength. Defects in the form of cracks are formed due to improper manufacturing and treatment processes. One treatment that can cause the formation of defects in the form of cracks is thermite welding. Improper and non-standard thermite welding techniques can trigger the formation of defects in the form of cracks in the railroad joints. Based on these problems, this simulation aims to obtain information about the value of maximum stress, SIF, J-Integral, number of cycles, and crack extension from variations in crack size to repeated loading. The method consists of preprocessing, processing and postprocessing. Preprocessing begins with the design of the UIC 54 railroad crack which consists of 3 variations of crack length, namely 10 mm, 15 mm, and 20 mm. The design was

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- Retrospective Collection
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Topics

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- Nanoscience
- Computers
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- Transportation
- Industrial Engineering

Retrospective Collection

Details

Books

Search books

1 2 3 4 5 >

Nanomaterials Synthesis and Applications (April 2009)

Volume in the series: 45
Authors: Umapada Pal

The presented book under the edition of Prof. Umapada Pal (Institute of Physics, Autonomous University of Puebla, Mexico) collected articles that reflected the last

Cellular Metals and Polymers (June 2005)

Volume in the series: 44
Authors: R.F. Singer, C. Körner, V. Altstädt and H. Münsfeldt

This collection constitutes an essential sourcebook for researchers, producers and users seeking technical information on materials with foam-like structures.

All further steps will be the same.

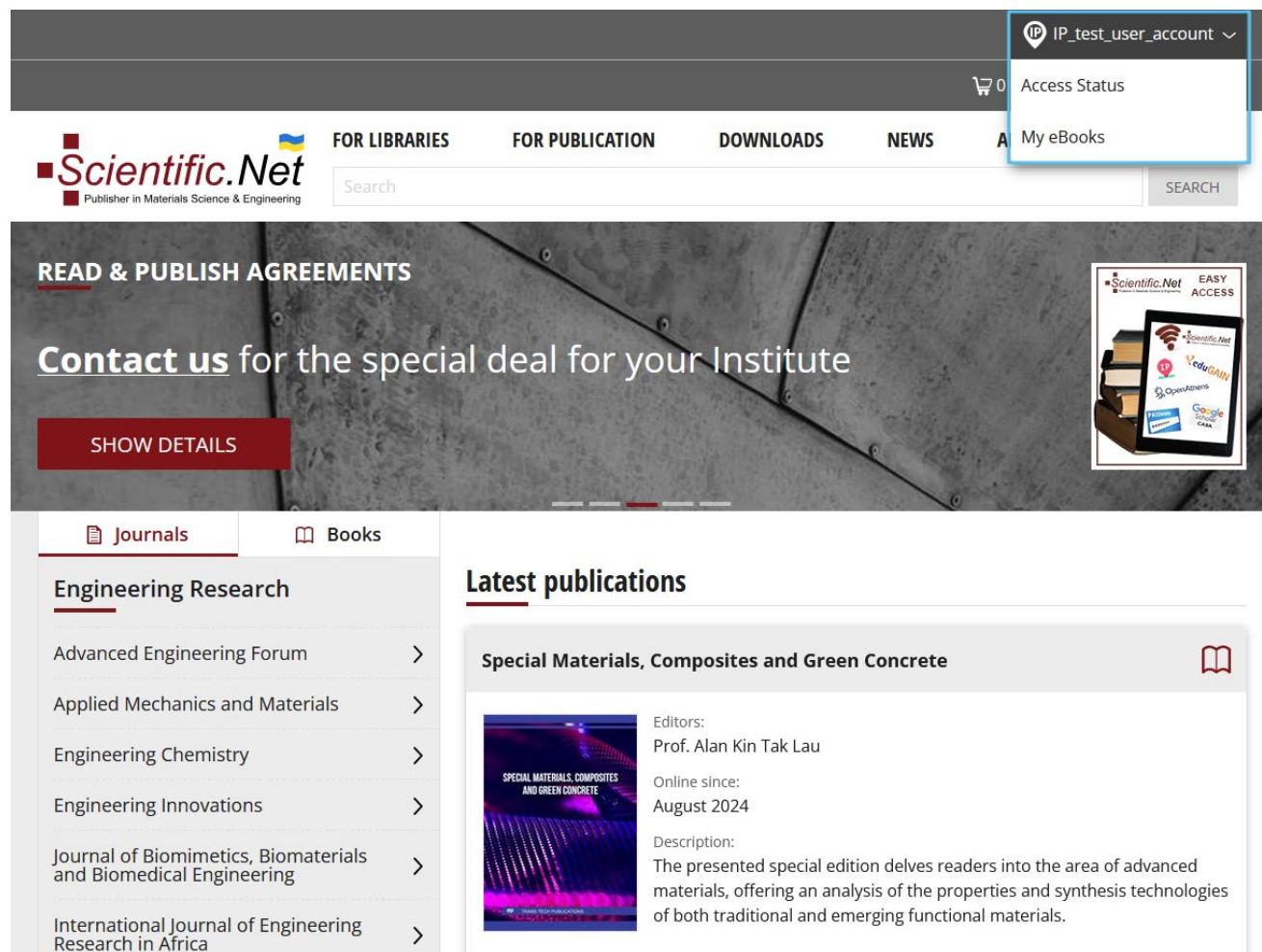


IP USER AND OTHER WAYS TO ACCESS PERIODICALS AND eBooks

The access to the same extent and the same periodicals/eBooks is granted to IP Users without necessity to log in to the user account.

In other words, you can enjoy the prompt easy access to all content open for your IP immediately after visiting the Scientific.Net website and skipping the authorization step.

The IP access functionality will be available at the top right corner of the website to enable you to reach the subscribed periodicals and eBooks via the same “Access Status” and “My eBooks” menus as through the authorized access, please see below:



The screenshot shows the top navigation bar of the Scientific.Net website. On the right side, there is a user account dropdown menu with the text "IP test_user_account" and a blue border around it. Below the dropdown, there are links for "Access Status" and "My eBooks". The main content area features a banner for "READ & PUBLISH AGREEMENTS" and a call to action "Contact us for the special deal for your Institute". Below this, there are sections for "Engineering Research" (with links to various journals) and "Latest publications" (with a featured book titled "Special Materials, Composites and Green Concrete").

All further steps are the same as described for the authorized access.

There are **different methods to access Scientific.net**, that is through:

- 1) IP Address authentication (IPv4);
- 2) SSO Authentication (now supported next federations: eduGAIN, OpenAthens, UK Access Management, InCommon, SWAMID, SWITCHaai, and DFN-AAI). SAML protocols: OpenAthens, Shibboleth
- 3) Authentication by Scientific.NET user login and password;
- 4) Google Scholar CASA to provide authentication enhancement that improves the authentication for off-campus users of Google Scholar.

? HOW TO UPDATE USER INFORMATION FOR IP ACCESS (IP RANGES) ?

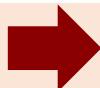
TTP is partnering thelPregistry.org which is a repository of validated IP addresses for content licensing organisations.

If you have an account with theIPregistry, your IP information will be updated on a centralized basis from their database. Contacting our customer service is not required.

If you don't have an account with theIPregistry, you can create it following the link <https://app.thelPregistry.org>.

The users having not registered with theIPregistry, in case of any changes in the user information, should send the updated IP ranges to us directly through the convenient channel.

Enjoy the advantages of the prompt and easy IP User access and in case of any problems with access or other questions, please contact us: office@scientific.net.



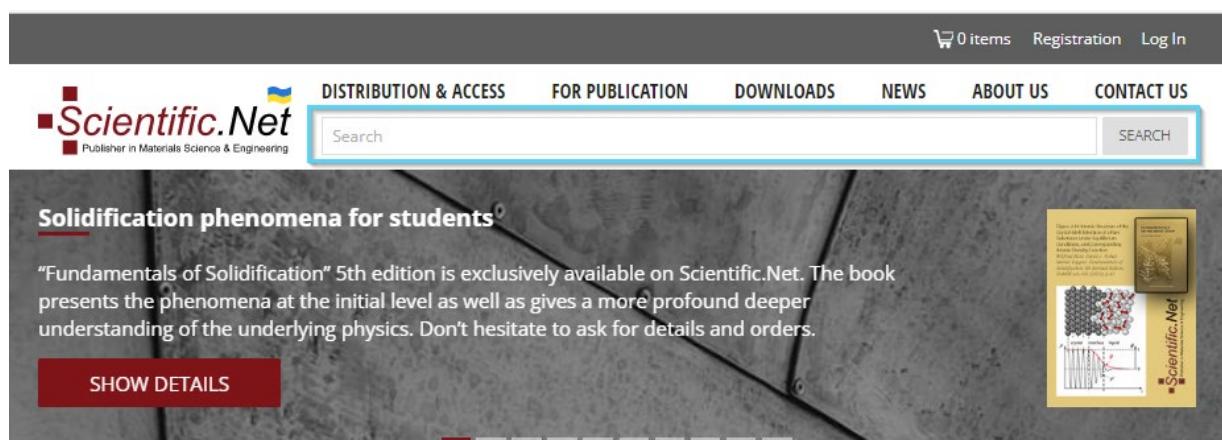
SEARCH OPTIONS and CAPABILITIES

Our website Scientific.Net offers a very comfortable search through the database allowing the users to refine their search by keywords, author, periodical, etc. as well as sort it by relevance or date.

Please explore this option in more detail.

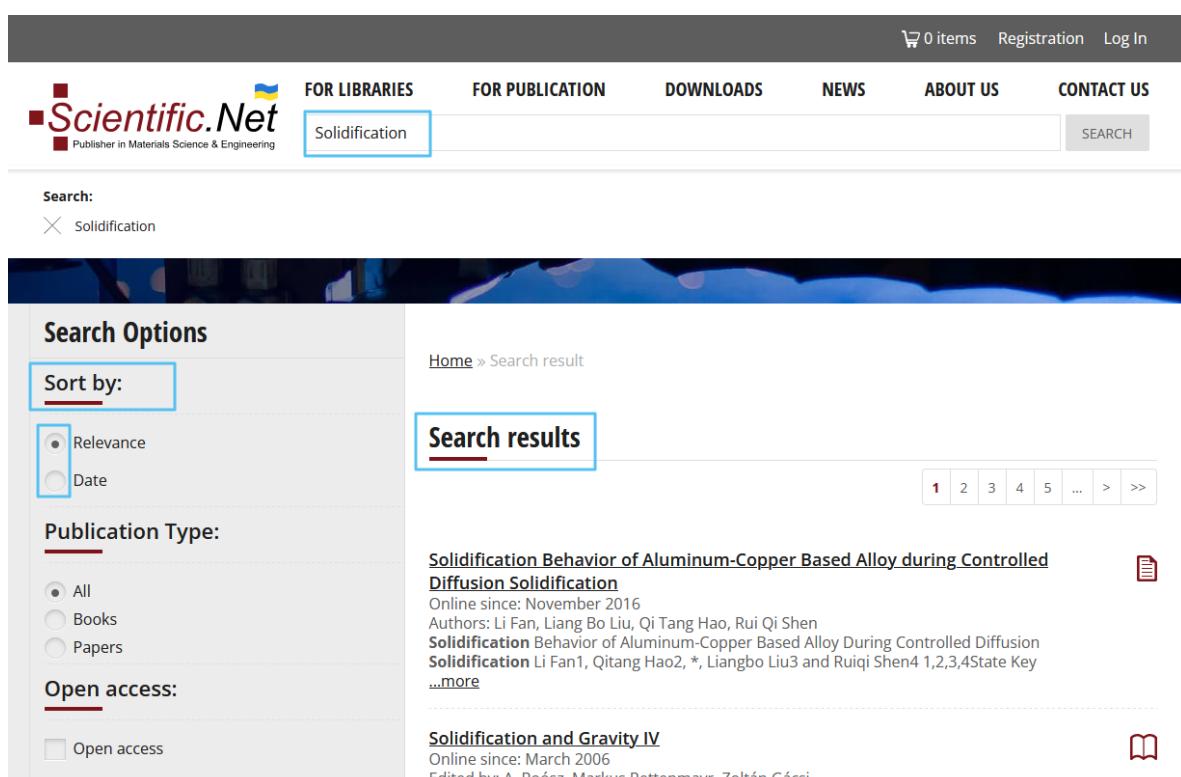
GETTING STARTED

To start searching the content, please type in the phrase / title of your interest in the searchbox that appears at the top of the webpage under the website menus and press the “Search” button or “Enter” button on the keyboard.



The screenshot shows the Scientific.Net homepage. At the top, there is a navigation bar with links for "DISTRIBUTION & ACCESS", "FOR PUBLICATION", "DOWNLOADS", "NEWS", "ABOUT US", and "CONTACT US". Below the navigation bar is a search bar with the placeholder "Search" and a "SEARCH" button. The main content area features a book cover for "Fundamentals of Solidification" 5th edition, with the title "Solidification phenomena for students" above it. A text box below the title states: "Fundamentals of Solidification" 5th edition is exclusively available on Scientific.Net. The book presents the phenomena at the initial level as well as gives a more profound deeper understanding of the underlying physics. Don't hesitate to ask for details and orders. A "SHOW DETAILS" button is visible. To the right of the book cover, there is a small image of a micrograph and a thumbnail of the book cover.

You can **sort** your search results by relevance or date:



The screenshot shows the search results page for the query "Solidification". The search bar at the top contains the text "Solidification". The search results are displayed in a "Search results" section. The first result is a document titled "Solidification Behavior of Aluminum-Copper Based Alloy during Controlled Diffusion Solidification", with a thumbnail image of a micrograph to its right. Below the thumbnail are the authors (Li Fan, Liang Bo Liu, Qi Tang Hao, Rui Qi Shen), the online date (November 2016), and the editor (A. Roosz, Markus Rettenmayr, Zoltán Gácsi). The second result is a document titled "Solidification and Gravity IV", with a thumbnail image of a book cover to its right. Below the thumbnail are the online date (March 2006) and the editor (A. Roosz, Markus Rettenmayr, Zoltán Gácsi). On the left side of the page, there is a sidebar with "Search Options" including "Sort by" (Relevance selected), "Publication Type" (All selected), and "Open access" (Open access selected). There are also links for "FOR LIBRARIES", "FOR PUBLICATION", "DOWNLOADS", "NEWS", "ABOUT US", and "CONTACT US".

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Also, you can **refine** your search results by:

- the type of the publication (all/book/paper)
- open access
- publication date
- periodicals

The screenshot shows the Scientific.Net website interface. At the top, there is a navigation bar with links for 'FOR LIBRARIES', 'FOR PUBLICATION', 'DOWNLOADS', 'NEWS', 'ABOUT US', and 'CONTACT US'. Below the navigation bar, a search bar contains the text 'Solidification'. The main content area features a search options sidebar on the left and a search results list on the right.

Search Options (Sidebar):

- Sort by:**
 - Relevance
 - Date
- Publication Type:**
 - All
 - Books
 - Papers
- Open access:**
 - Open access
- Publication Date:**
All
- Periodicals:**
 - Advances in Science and Technology
 - Advanced Engineering Forum

Search results (Main Content):

Home » Search result

Solidification and Gravity IV
Online since: March 2006
Edited by: A. Roósz, Markus Rettenmayr, Zoltán Gácsi
This collection of papers provides the most up-to-date information available for [more](#)

Solidification and Gravity III
Online since: January 2000
Edited by: A. Roósz, Markus Rettenmayr, D. Watring
The present publication provides the most up-to-date information for researchers and engineers who are interested in **solidification** processes.
[more](#)

Solidification and Gravity VI
Online since: May 2014
Edited by: A. Roósz, Kinga Tomolya
The results of many foreign and Hungarian researchers presented at the 6th International Conference on **Solidification** and Gravity, in Miskolc-Lillafüred, on September 2-5, 2013
[more](#)

Fundamentals of Solidification 4th
Online since: February 1998
Authors: W. Kurz, David J. Fisher

We hope you will enjoy your experience with the Scientific.Net website. If you have any additional questions or encounter problems, please contact us at office@scientific.net.