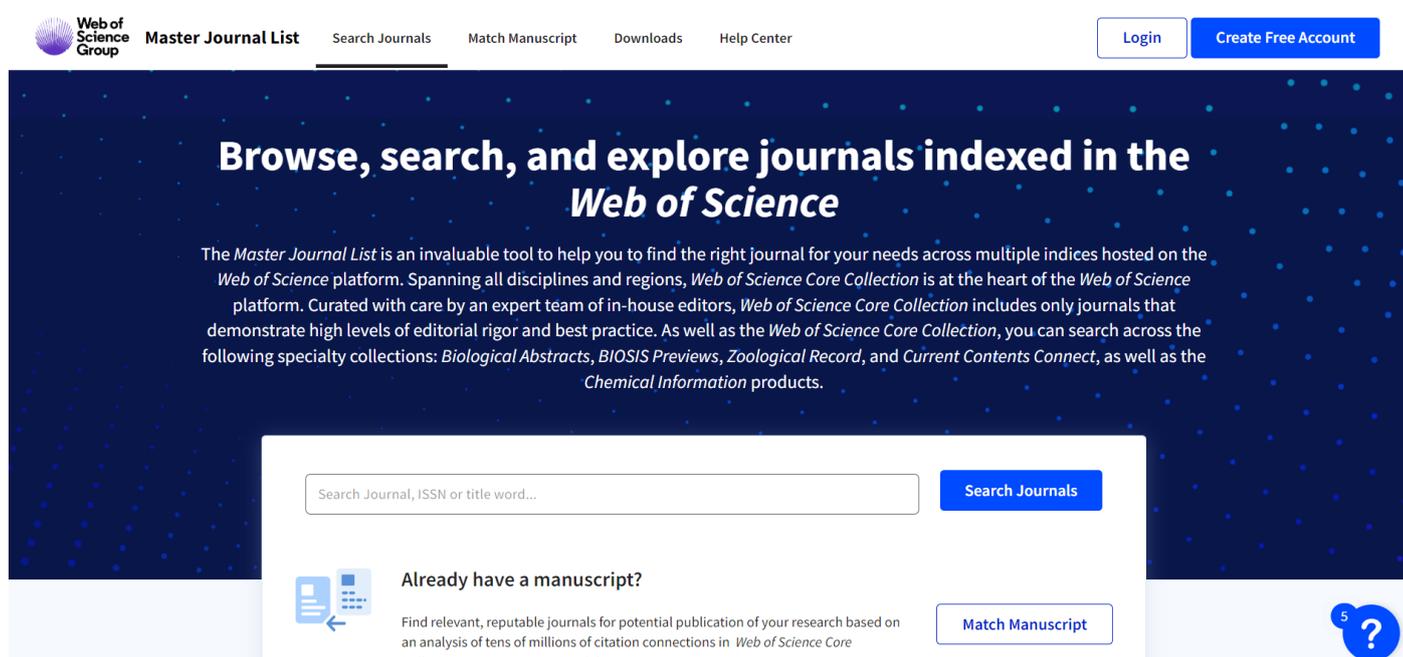


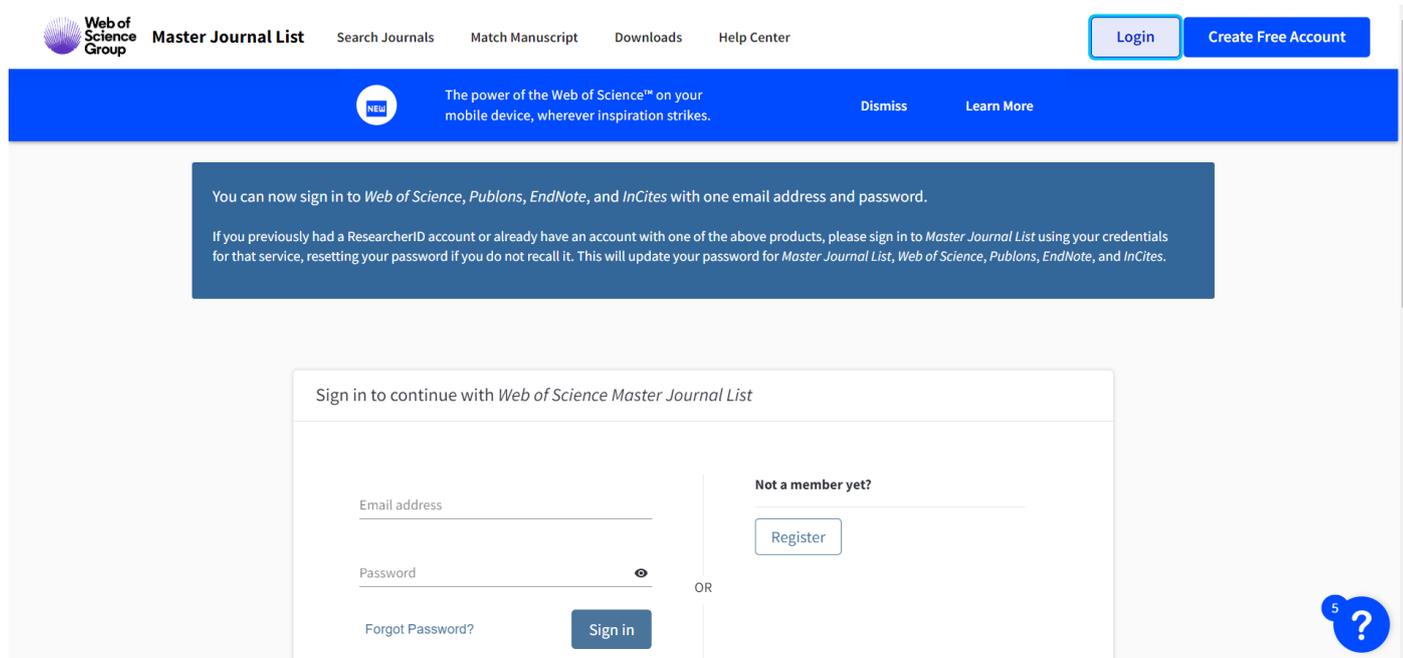
Master Journal List

1. Начальная страница Master Journal List



The screenshot shows the homepage of the Master Journal List. At the top, there is a navigation bar with the Web of Science Group logo, the text "Master Journal List", and links for "Search Journals", "Match Manuscript", "Downloads", and "Help Center". On the right side of the navigation bar, there are buttons for "Login" and "Create Free Account". The main content area has a dark blue background with a starry pattern. The headline reads "Browse, search, and explore journals indexed in the Web of Science". Below this, a paragraph describes the Master Journal List as an invaluable tool for finding journals across multiple indices. A search bar is located in the center, with the placeholder text "Search Journal, ISSN or title word..." and a "Search Journals" button. Below the search bar, there is a section titled "Already have a manuscript?" with a "Match Manuscript" button. A small blue circle with a question mark and the number "5" is visible in the bottom right corner.

2. Авторизация (можно использовать учетные данные Web of Science, Publons)



The screenshot shows the login page of the Master Journal List. At the top, there is a navigation bar with the Web of Science Group logo, the text "Master Journal List", and links for "Search Journals", "Match Manuscript", "Downloads", and "Help Center". On the right side of the navigation bar, there are buttons for "Login" and "Create Free Account". Below the navigation bar, there is a blue banner with a "NEW" icon and the text "The power of the Web of Science™ on your mobile device, wherever inspiration strikes." with "Dismiss" and "Learn More" links. The main content area has a dark blue background with a starry pattern. A dark blue box contains the text: "You can now sign in to Web of Science, Publons, EndNote, and InCites with one email address and password. If you previously had a ResearcherID account or already have an account with one of the above products, please sign in to Master Journal List using your credentials for that service, resetting your password if you do not recall it. This will update your password for Master Journal List, Web of Science, Publons, EndNote, and InCites." Below this, there is a white box with the title "Sign in to continue with Web of Science Master Journal List". The box contains a form with fields for "Email address" and "Password" (with an eye icon for visibility). There is a "Forgot Password?" link and a "Sign in" button. On the right side of the form, there is a "Not a member yet?" section with a "Register" button. A small blue circle with a question mark and the number "5" is visible in the bottom right corner.

3. Перейти на страницу поиска журналов «*Search Journals*»

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Browse, search, and explore journals indexed in the *Web of Science*

The *Master Journal List* is an invaluable tool to help you to find the right journal for your needs across multiple indices hosted on the *Web of Science* platform. Spanning all disciplines and regions, *Web of Science Core Collection* is at the heart of the *Web of Science* platform. Curated with care by an expert team of in-house editors, *Web of Science Core Collection* includes only journals that demonstrate high levels of editorial rigor and best practice. As well as the *Web of Science Core Collection*, you can search across the following specialty collections: *Biological Abstracts*, *BIOSIS Previews*, *Zoological Record*, and *Current Contents Connect*, as well as the *Chemical Information* products.

Search Journal, ISSN or title word... Search Journals

Already have a manuscript?
Find relevant, reputable journals for potential publication of your research based on an analysis of tens of millions of citation connections in *Web of Science Core Collection* using Manuscript Matcher. Match Manuscript

4. В поисковой строке ввести запрос (название журнала). Например, «*Surface and Coatings Technology*».

Web of Science Group Master Journal List Search Journals Match Manuscript Downloads Help Center Welcome, Settings Log Out

Browse, search, and explore journals indexed in the *Web of Science*

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Surface and Coatings technology Search Journals

Already have a manuscript?
Find relevant, reputable journals for potential publication of your research based on an analysis of tens of millions of citation connections in *Web of Science Core Collection* using Manuscript Matcher. Match Manuscript

5. В результатах поиска, найти нужный журнал или подходящий по тематике

Language ▾
Frequency ▾
Journal Citation Reports ▾

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SURFACE & COATINGS TECHNOLOGY

Publisher: ELSEVIER SCIENCE SA , PO BOX 564, LAUSANNE, SWITZERLAND, 1001
ISSN / eISSN: 0257-8972 / 1879-3347
Web of Science Core Collection: Science Citation Index Expanded
Additional Web of Science Indexes: Current Contents Engineering, Computing & Technology | Essential Science Indicators

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COATINGS OPEN ACCESS

Publisher: MDPI , ST ALBAN-ANLAGE 66, BASEL, SWITZERLAND, CH-4052
ISSN / eISSN: 2079-6412
Web of Science Core Collection: Science Citation Index Expanded
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6. Перейти на профиль журнала (*View profile page*)

Language ▾
Frequency ▾
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SURFACE & COATINGS TECHNOLOGY

Publisher: ELSEVIER SCIENCE SA , PO BOX 564, LAUSANNE, SWITZERLAND, 1001
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Web of Science Core Collection: Science Citation Index Expanded
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7. В профиле журнала представлена подробная информация об издании: издательство, ISSN, предметная категория Web of Science, индексы Web of Science и др.

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Current Contents	Engineering, Computing & Technology	Materials Science & Engineering	Find Similar Journals
Other	Essential Science Indicators	Materials Science	Find Similar Journals

Search a topic within this journal

Search a topic within this journal... [Search](#)

5 ?

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В строке поиска «**Search a topic within journal**» ввести название статьи, ключевые слова, и т.д.

Web of Science Coverage

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Core Collection	Science Citation Index Expanded (SCIE)	Materials Science, Coatings & Films Physics, Applied	Find Similar Journals
Current Contents	Engineering, Computing & Technology	Materials Science & Engineering	Find Similar Journals
Other	Essential Science Indicators	Materials Science	Find Similar Journals

Search a topic within this journal

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Journal Citation Report™ (JCR) [Journal Citation Reports™ 2021](#)

5 ?

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Web of Science Coverage

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Guan, TY; Zhang, HG; (...); Zhang, N
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2 **A study on the wear and corrosion resistance of high-entropy alloy treated with laser shock peening and PVD coating** 43 References

Liao, LY; Gao, R; (...); Wan, Q
May 15 2022 | SURFACE & COATINGS TECHNOLOGY 437

A cross-scale study on the effect induced by laser shock peening (LSP) and physical vapor deposition (PVD) coating on the wear and

13. Текущий квартиль журнала, предметная категория, индекс

Review Articles 3

Open Access 135

Associated Data 1

Publication Years

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2021 118

2020 113

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2018 107

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Proceedings Papers 495

1 [Synthesis of two-dimensional WS₂/nickel nanocomposites via electroforming for high-performance micro/nano mould tools](#) 43 References

Guan, TY; Zhang, HG; (...); Zhang, N
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SURFACE & COATINGS TECHNOLOGY

JCR Category	Category Quartile
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Wang, ZD; Yang, K; (...); Sun, GF
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Underwater laser directed energy deposition (UDED) can be employed to repair and maintain the offshore engineering structures due to its advantages of flexible adjustment of feedstock materials

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5 [Application of crosswise repetitive ultrasonic nanocrystal surface modification treatment to Inconel 690 alloy: Efficiency of single-path and multi-paths](#) 47 References

Ahn, SH and Amanov, A

15. На странице публикации информация: название, авторы, цитирование, аффилиация авторов, DOI, тип публикации в БД Web of Science, предметная категория, цитирование и др.

High-quality remanufacturing of HSLA-100 steel through the underwater laser directed energy deposition in an underwater hyperbaric environment

By: Wang, Z. D. (Wang, Z. D.) ; Yang, K. (Yang, K.) ; Chen, M. Z. (Chen, M. Z.) ; Lu, Y. (Lu, Y.) ; Wang, S. B. (Wang, S. B.) ; Wu, E. K. (Wu, E. K.) ; Bi, K. D. (Bi, K. D.) ; Ni, Z. H. (Ni, Z. H.) ; Sun, G. F. (Sun, G. F.)

SURFACE & COATINGS TECHNOLOGY

Volume: 437

Article Number: 128370

DOI: 10.1016/j.surfcoat.2022.128370

Published: MAY 15 2022

Indexed: 2022-05-06

Document Type: Article

Abstract

Underwater laser directed energy deposition (UDED) can be employed to repair and maintain the offshore engineering structures due to its advantages of flexible adjustment of feedstock materials and controllable heat input to the structures. For the first time, preprepared HSLA-100 steel plates were successfully remanufactured by UDED at an ambient pressure of 0.3 MPa (water depth of 30 m). The relationships between the hyperbaric underwater environment, solidification process, microstructures and mechanical properties of the HSLA-100 steel were clarified. The

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large flow rates increased the cooling rates of the underwater melt pool. A lath martensitic microstructure with high dislocation densities and a number of inclusions was formed in the sample remanufactured by UDED. The in-situ precipitation of Cu-enriched nanoparticles was caused by the unique intrinsic heat treatment involved in the underwater deposition process. The average diameter of the Cu-enriched nanoparticles increased with increasing laser energy density. The microstructure of the sample remanufactured by UDED was harder than that of the sample remanufactured by in-air DED. The Charpy impact toughness and tensile properties of the samples remanufactured by UDED were close to those of the sample remanufactured by in-air DED. This work demonstrates the feasibility of high-quality remanufacturing of HSLA-100 steel via UDED in a hyperbaric underwater environment. The results obtained in this study could provide useful guidance for the application of UDED to offshore engineering structures.

Keywords

Author Keywords: Underwater directed energy deposition; HSLA-100 steel; Nano-precipitates; Microstructural evolution; Mechanical properties

Keywords Plus: MECHANICAL-PROPERTIES; LOW-CARBON; HEAT-TREATMENT; MICROSTRUCTURE; STRENGTH; PRECIPITATION; METAL; INCLUSIONS; MORPHOLOGY; NANOSCALE

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Research Areas: Materials Science; Physics

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Keywords

Author Keywords: FeCoCrNiAl; PVD nano coating; Laser shock peening; Wear and corrosion resistance; Compressive stress

Keywords Plus: PERFORMANCE; STRENGTH; MICROSTRUCTURE; TEMPERATURE

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▼ ² Huazhong Agr Univ, Coll Engn, Wuhan 430070, Peoples R China

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Research Areas: Materials Science; Physics

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