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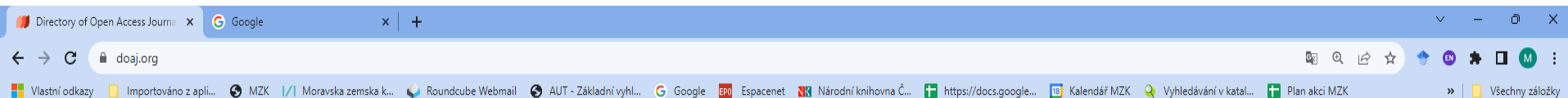
- lze používat oboustranné horní uvozovky pro frázi v názvech časopisů a článků.

Dle zkušeností lze používat

- booleovské operátory AND a OR, které je nutné psát velkými písmeny,
- hvězdičku pro pravostranné rozšíření jako náhradu za neomezený počet znaků,
- otazník jako náhradu za žádný či jeden znak.


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Výsledky – nastavení

The screenshot shows the DOAJ search results page. At the top, there is a search bar with the query "nano* AND health* AND risk*" and a dropdown menu set to "Abstract". Below the search bar, there is a "SHARE OR EMBED" button. The main content area displays "633 indexed articles". On the left side, there is a "Refine search results" section with "SUBJECTS" and "JOURNALS" filters. The "SUBJECTS" filter is currently empty. The main article list shows the following details for the first article:

- Sort by:** Relevance
- Results per page:** 200 (with options for 50, 100, and 200)
- Journal:** NANOMATERIALS (MAY 2020)
- Title:** The Impact of Engineered Silver Nanomaterials on the Immune System
- Authors:** Neethu Ninan, Nirmal Goswami, Krasimir Vasilev
- Article keywords:** silver nanomaterials, immune cells, pro-inflammatory, anti-inflammatory, implants
- Abstract:** +
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Výsledky - zpřesnění

Articles - Directory of Open Access Journals

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YEAR OF PUBLICATION

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NANOMATERIALS (MAY 2020)

The Impact of Engineered Silver Nanomaterials on the Immune System

Neethu Ninan, Nirmal Goswami, Krasimir Vasilev

Article keywords

silver nanomaterials, immune cells, pro-inflammatory, anti-inflammatory, implants

Abstract +

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PLOS ONE (JAN 2015)

Comparative proteomic analysis of the molecular responses of mouse macrophages to titanium dioxide and copper oxide nanoparticles unravels some toxic mechanisms for copper oxide nanoparticles in macrophages.

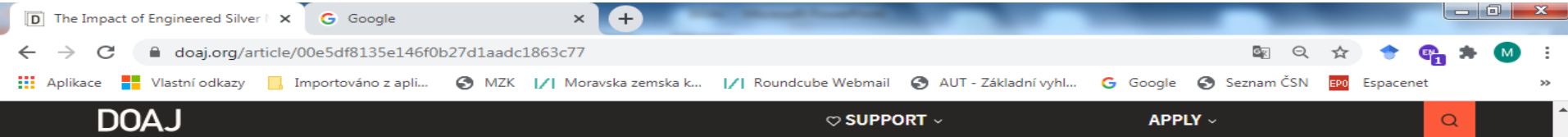
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Záznam



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NANOMATERIALS (2020-05-01)

The Impact of Engineered Silver Nanomaterials on the Immune System

Neethu Ninan, Nirmal Goswami, Krasimir Vasilev

AFFILIATIONS +

DOI

<https://doi.org/10.3390/nano10050967>

Journal volume & issue

Vol. 10, no. 967

p. 967

Abstract

Over the last decades there has been a tremendous volume of research efforts focused on engineering silver-based (nano)materials. The interest in silver has been mostly driven by the element capacity to kill pathogenic bacteria. In this context, the main area of application has been medical devices that are at significant risk of becoming colonized by bacteria and subsequently infected. However, silver nanomaterials have been incorporated in a number of other commercial products which may or may not benefit from antibacterial protection. The rapid expansion of such products raises important questions about a possible adverse influence on human health. This review focuses on examining currently available literature and summarizing the current state of knowledge of the impact of silver (nano)materials on the immune system. The review also looks at various surface modification strategies used to generate silver-based nanomaterials and the immunomodulatory potential of these materials. It also highlights the immune response triggered by various silver-coated implantable devices and provides guidance and perspective towards engineering silver nanomaterials for modulating immunological consequences.

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Science: Chemistry

Website

<http://www.mdpi.com/journal/nanomaterials>

ABOUT THE JOURNAL

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materials

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Kontakt

PhDr. Martina Machátová

Moravská zemská knihovna v Brně

Tel.: 541 646 170

E-mail: machat@mzk.cz

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