

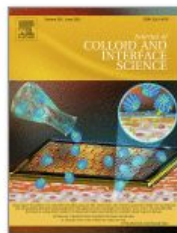
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Obrad Vučkovic

Univerzitet u Beogradu
Institut za nuklearne nauke "Vinča" - Biblioteka



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Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry

Journal of Colloid and Interface Science

Volume 591, June 2021, Pages 373-383

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- "serials crisis"
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- BioMed Central, PLoS
- Budapest OA Initiative
- Berlin declaration
- OJS, OpenAIRE, SPARC Europe

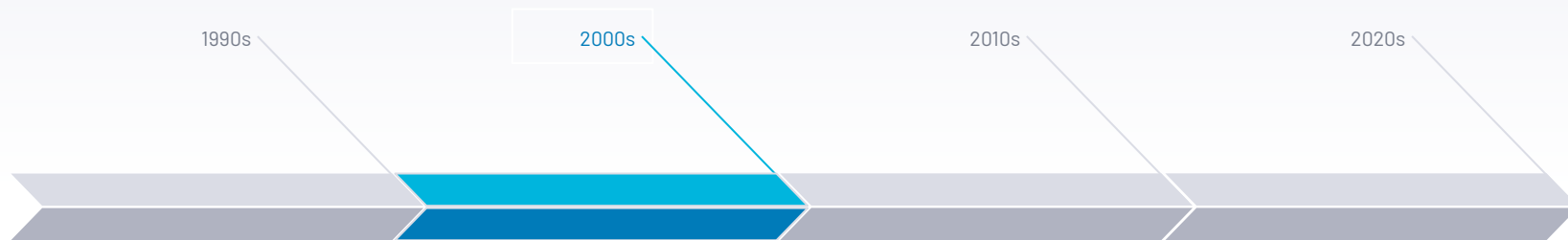
2010-te

- Bilova lista, SciHub
- re3data.org
- Unpaywall, OA Button
- BU usvaja Berlinsku deklaraciju
- protesti protiv Elsevier-a

2020-te

- OA u politikama: Horizon Europe, Plan S, Wellcome Trust
- transformativni ugovori
- OA platforme za publikovanje

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- Unpaywall, OA Button
- BU usvaja Berlinsku deklaraciju (2011)
- nacionalna politika Platforma za ON (2018)

2020-te

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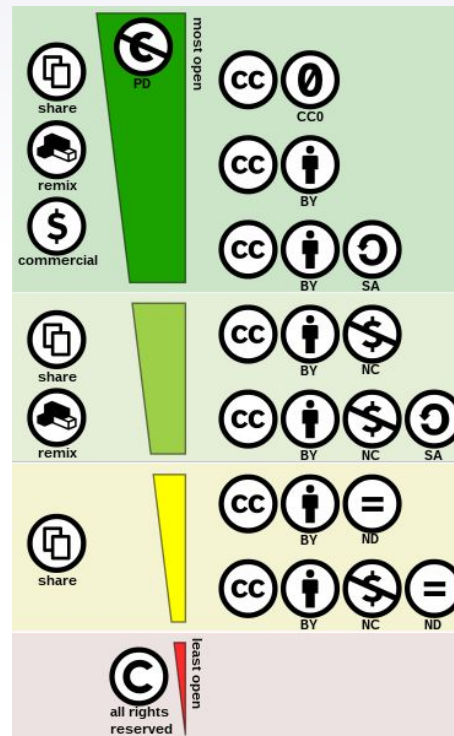
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Modeli

Otvorenog pristupa

Modeli OA (1)

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- APC (Article Processing Charges)
- "double-dipping"

Zlatni OA

- izdavač **sve** radove publikuje u OA;
- APC
- sve češći zahtevi finansijera za gold OA
- registar gold OA časopisa: [DOAJ](#)
- *waiver policies*





avg. APC
858\$
(2005)

avg. APC
1600\$
(2018)

Khoo, S. Y.-S. (2019). Article Processing Charge Hyperinflation and Price Insensitivity: An Open Access Sequel to the Serials Crisis. *LIBER Quarterly: The Journal of the Association of European Research Libraries*, 29(1), 1–18. <https://doi.org/10.18352/lq.10280>

Modeli OA (2)

Dijamantski OA

- svi radovi u OA;
- **bez APC-a**;
- tražiti u DOAJ, opcija “without fees”
- novi načini vrednovanja istraživačkih rezultata;

Zeleni OA

- samoarhiviranje u **repozitorijume**;
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- registar politika časopisa: [Sherpa Romeo](#)

Zeleni OA: Preprint



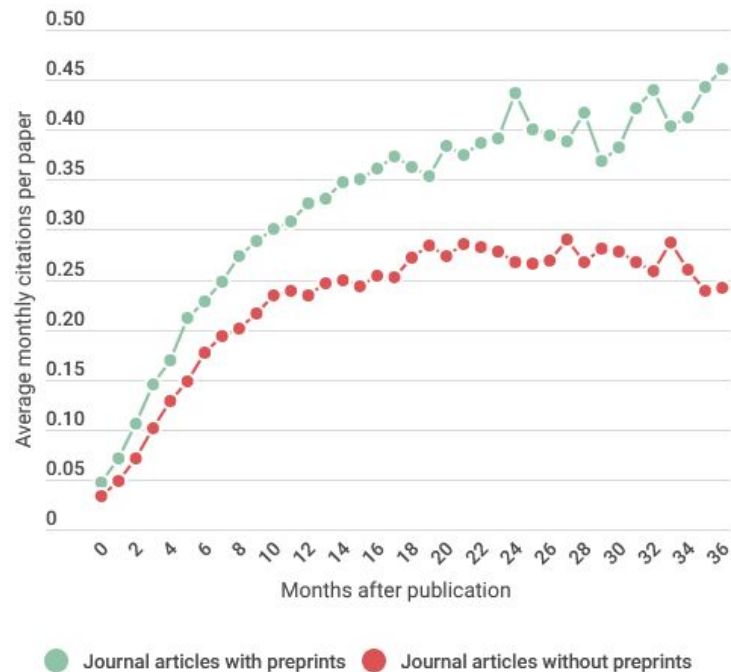
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Nicholas Fraser, Fakhri Momeni, Philipp Mayr, Isabella Peters; The relationship between bioRxiv preprints, citations and altmetrics. *Quantitative Science Studies* 2020; 1 (2): 618–638. doi: https://doi.org/10.1162/qss_a_00043

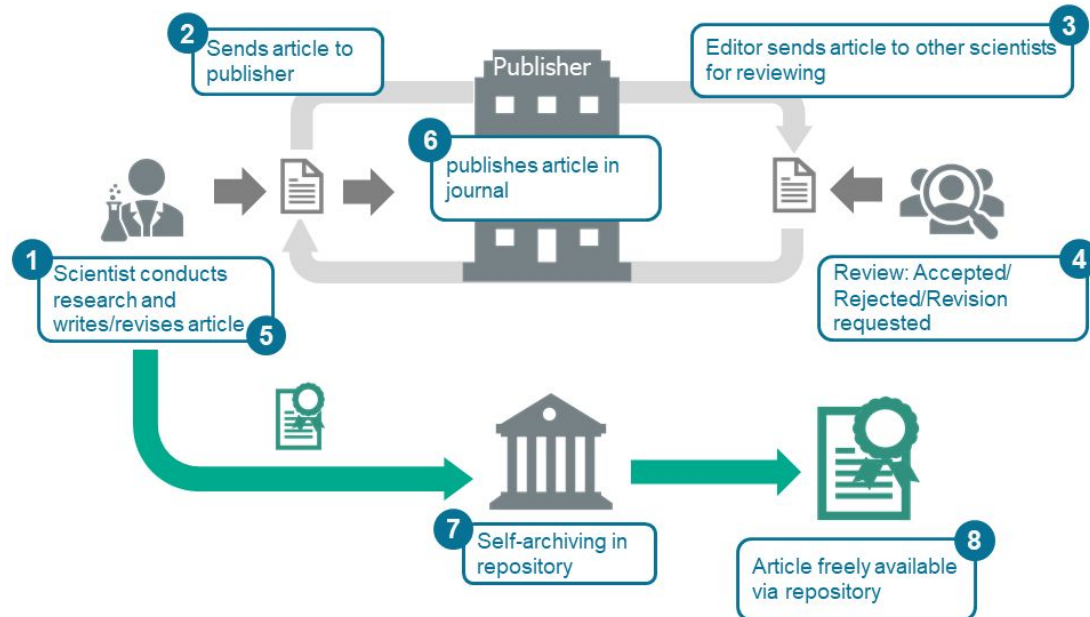
Citation edge

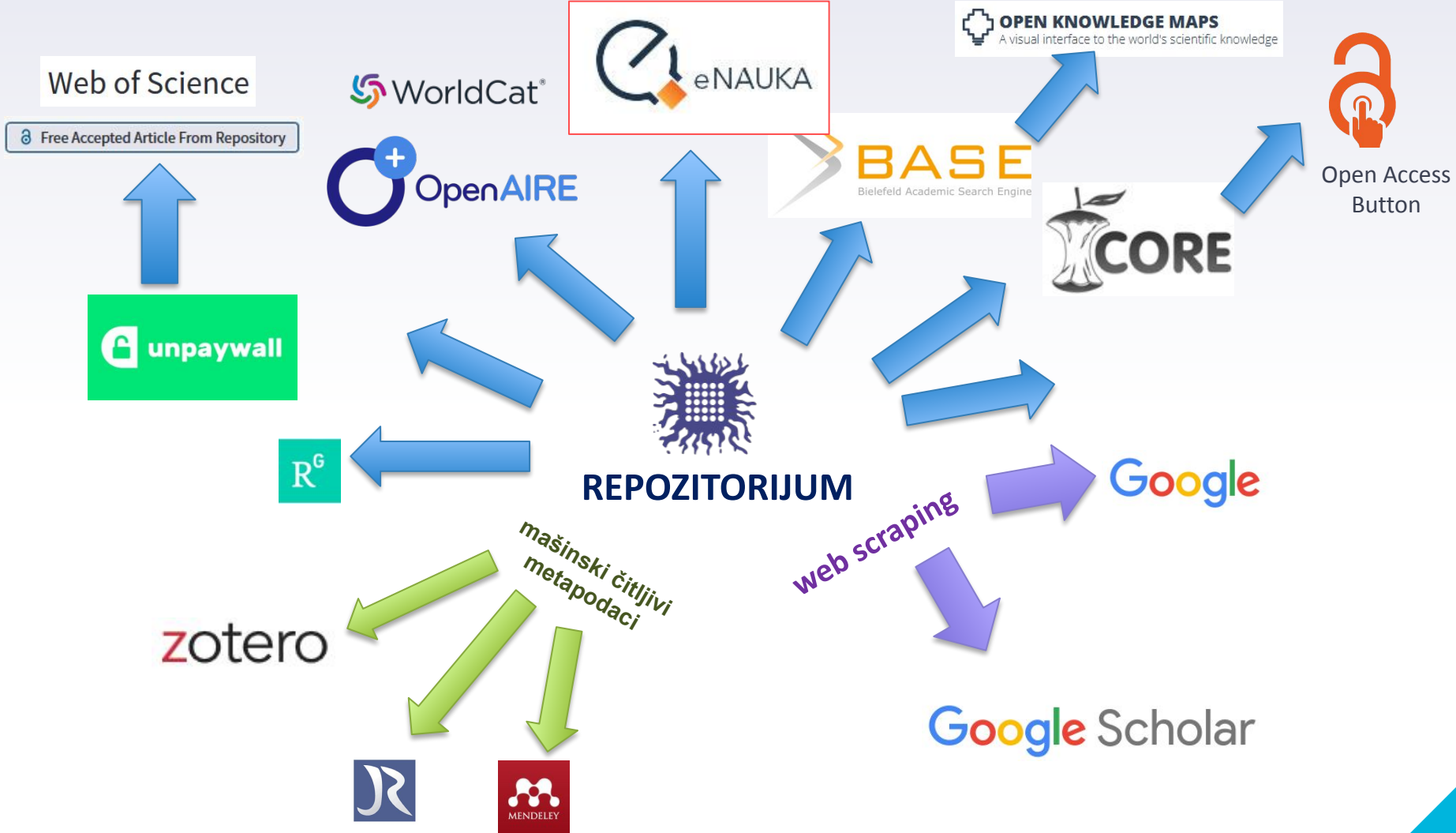
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Scholarly Publishing: Green Open Access (Post-Prints)





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mašinski čitljivi metapodaci



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web scraping

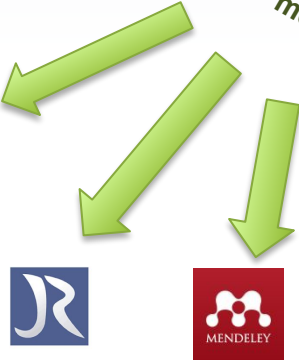
Google

Google Scholar

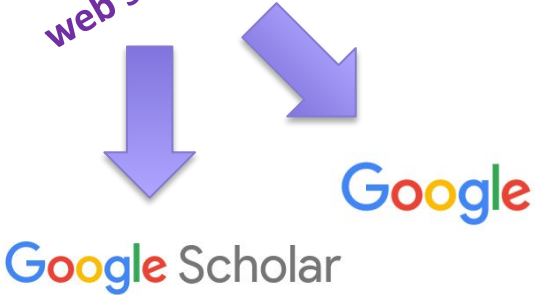


machine-readable
metadata

zotero



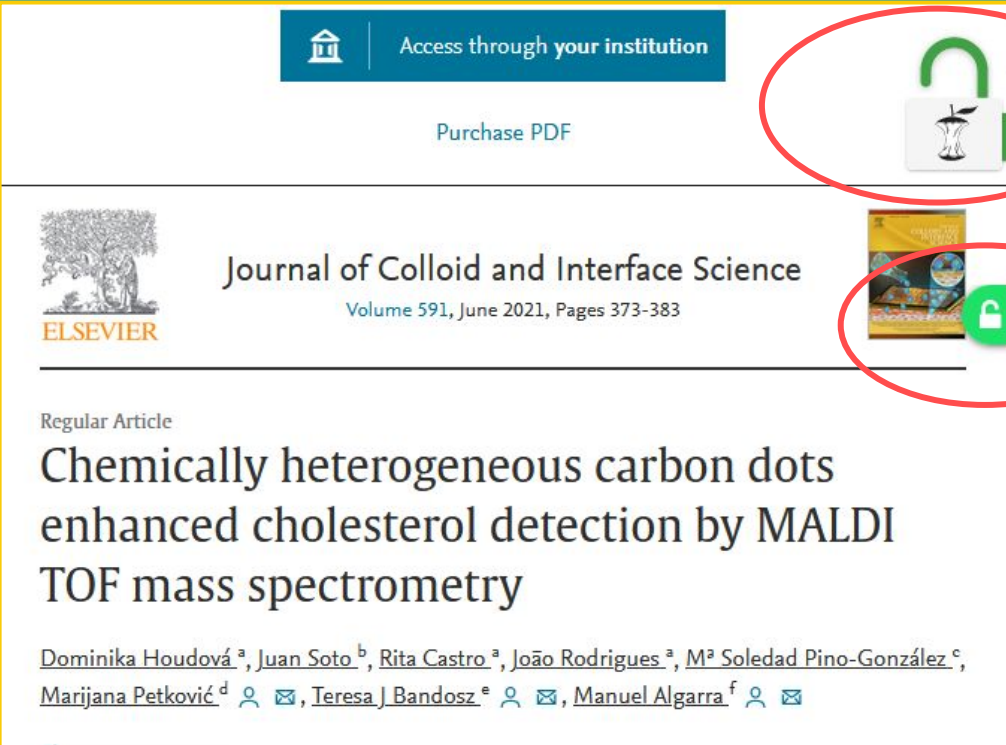
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Google Scholar

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Browser extensions: Unpaywall & CORE Discovery



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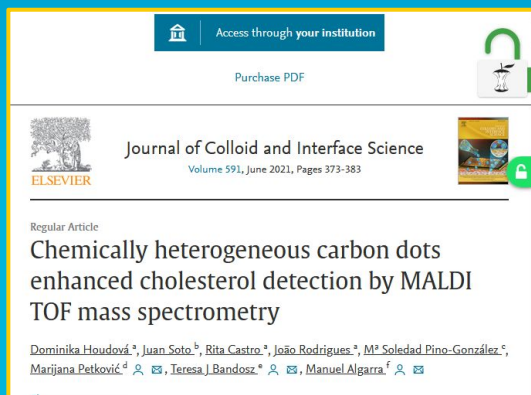
 **Journal of Colloid and Interface Science**
Volume 591, June 2021, Pages 373-383

Regular Article

Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry

[Dominika Houdová^a](#), [Juan Soto^b](#), [Rita Castro^a](#), [João Rodrigues^a](#), [M^a Soledad Pino-González^c](#), [Marijana Petković^d](#), [Teresa J. Bandoz^e](#), [Manuel Algarra^f](#)

Zeleni OA: AAM ili Postprint



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Journal of Colloid and Interface Science
Volume 591, June 2021, Pages 373-383

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Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry

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Authors: Houdová, Dominika; Soto, Juan; Castro, Rita; Rodrigues, João; Soledad Pino-González, M^a; Petković, Marijana; Bandoz, Teresa J.; Algarra, Manuel

Article (Accepted Version)

Keywords: Cholesterol; MALDI TOF; Carbon dots; N-doped Carbon dots; DFT calculations

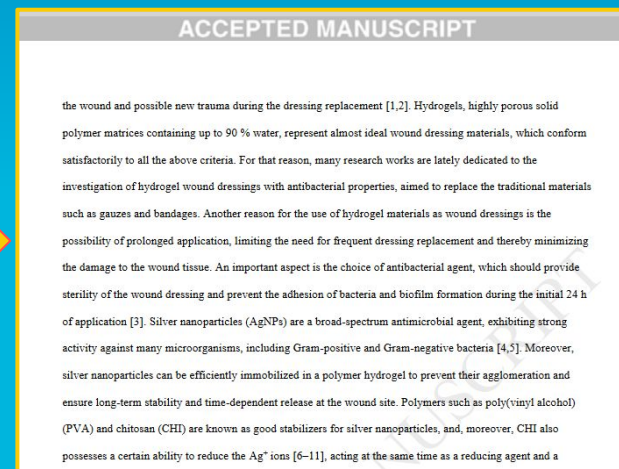
Source: Journal of Colloid and Interface Science, 2021, 591, 373-383

Funding / projects:

- Spanish Ministerio de Economía, Industria y Competitividad (RTI2018-09968-BE-C21)
- Portuguese Foundation for Science and Technology European Commission (UIDB/0074/2020)
- NRDF (P-142019-10-545-FEELB-000005-COM)
- ERDF (M142009-5369-FSE-000002)
- Ministry of Education, Science and Technological Development, Republic of Serbia, Grant no. 200017 (University of Belgrade, Institute of Nuclear Sciences Vinča, Belgrade-Vinča) (RS-200017)
- Programa de Cooperación Terrenal INTERREGVA-MAC 2014-2020 through the Project INV2MAC2/8.66226

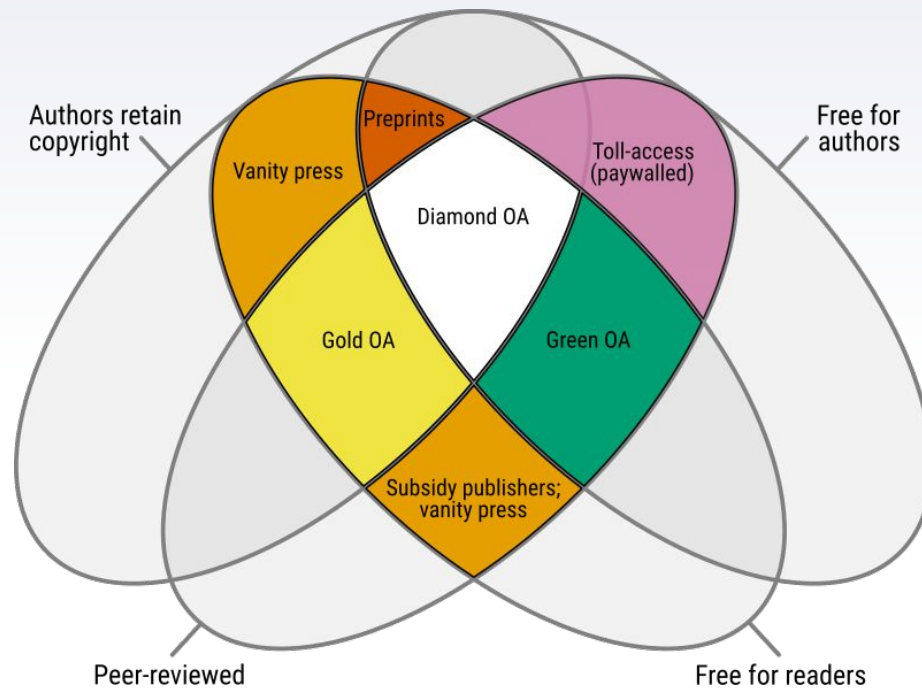
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the wound and possible new trauma during the dressing replacement [1,2]. Hydrogels, highly porous solid polymer matrices containing up to 90 % water, represent almost ideal wound dressing materials, which conform satisfactorily to all the above criteria. For that reason, many research works are lately dedicated to the investigation of hydrogel wound dressings with antibacterial properties, aimed to replace the traditional materials such as gauzes and bandages. Another reason for the use of hydrogel materials as wound dressings is the possibility of prolonged application, limiting the need for frequent dressing replacement and thereby minimizing the damage to the wound tissue. An important aspect is the choice of antibacterial agent, which should provide sterility of the wound dressing and prevent the adhesion of bacteria and biofilm formation during the initial 24 h of application [3]. Silver nanoparticles (AgNPs) are a broad-spectrum antimicrobial agent, exhibiting strong activity against many microorganisms, including Gram-positive and Gram-negative bacteria [4,5]. Moreover, silver nanoparticles can be efficiently immobilized in a polymer hydrogel to prevent their agglomeration and ensure long-term stability and time-dependent release at the wound site. Polymers such as poly(vinyl alcohol) (PVA) and chitosan (CHI) are known as good stabilizers for silver nanoparticles, and, moreover, CHI also possesses a certain ability to reduce the Ag⁺ ions [6–11], acting at the same time as a reducing agent and a



Farquharson, Jamie (2022). Diamond open access venn diagram [en SVG]. figshare. Figure.
<https://doi.org/10.6084/m9.figshare.21598179.v1>

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Open Access, Srbija i Univerzitet u Beogradu

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Loše pojave:

- ▶ predatorski časopisi
- ▶ journals hijacking



Trendovi

- ▶ OA i Politike finansijera i institucija:
 - ▷ EC Horizon Europe, Plan S (cOAlition S); NIH i NSF (od 2026)
- ▶ Platforme za publikovanje:
 - ▷ Open Research Europe (ORE), Wellcome Open Research
- ▶ Transformative agreements
- ▶ Investiranje velikih izdavača:
 - ▷ Elsevier: Pure, SSRN, Mendeley, fully OA journals

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[Horizon Europe Model Grant Agreement](#), str. 95

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