

Универзитет у Београду  
Институт за хемију, технологију и металургију,  
Институт од националног значаја за Републику Србију  
Његошева 12, Београд

НАУЧНОМ ВЕЋУ  
Института за хемију, технологију и металургију

( 406/23.04.2024.)

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(š , 159 30. 2020. 14 20. 2023.)

### ИЗВЕШТАЈ

#### I БИОГРАФСКИ ПОДАЦИ

25.02.1979. 07.12.2004.  
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1,3,5-  
", 12.07.2007. : "  
11.03.2013. :  
2007. - ,  
2013. ,, 30  
2019. ,, 500 , 15.

"Multifunctional visible-light-responsive inorganic-organic hybrids for efficient hydrogen production and disinfection-HYDIS".

"Band structure engineering design for construction of heterojunction semiconductors for enhanced photocatalytic activity. Theoretical and experimental study"

## II) БИБЛИОГРАФИЈА

( + ). P (\*) .613  
(08.05.2018. .)  
(27.03.2019. .). (#)

### (A) Радови од претходног избора у звање

#### 1. Монографије, монографске студије, тематски зборници, лексикографске и картографске публикације међународног значаја

Од претходног избора:  $M10 = 7$

#### Монографска студија/поглавље у књизи $M11$ или рад у тематском зборнику водећег међународног значаја ( $M13 = 7$ )

1.1. M. Hadna ev-Kosti , T. Vuli , **J. Dostanić**, D. Lon arevi , šDesign and application of various visible light responsive metal oxide photocatalysts in Handbook of Smart Photocatalytic Materials Fundamentals, Fabrications, and Water Resources Applications, Editor Chaudhery Mustansar Hussain, Elsevier, **2019**, 65-89. DOI: <https://doi.org/10.1016/B978-0-12-819051-7.00003-8>

ISBN: 978-3-0346-0479-6

Web adresa: <https://www.sciencedirect.com/science/article/abs/pii/B9780128190517000038>

: 4

#### 2. Радови објављени у међународним часописма; научна критика, уређивање часописа

Од претходног избора:  $M20 = 10,00 + 33,13 + 13,12 + 3,00 + 2,50 = 61,75$

Од претходног избора ИФ=44,261

#### Радови у међународном часопису изузетних вредности ( $M21a = 10$ ; $1 \times 10 = 10$ )

2.1. **J. Dostanić**, D. Lon arevi , V.B. Pavlovi , J. Papan, J.M. Nedeljkovi , Efficient photocatalytic hydrogen production over titanate/titania nanostructures modified with nickel, *Ceram. Int.*, **2019**, *45* (15), 19447–19455=<https://doi.org/10.1016/j.ceramint.2019.06.200>

: 3,830 (2019)

, / : Materials Science, Ceramics, 2/28

( ) : 8

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**Радови у врхунском међународном часопису (M21 = 8; 2×8,00 +3×5,71=33,13)**

#2.2. H. T̄lipur, M. Fronczak, A. Pra-nikar, K.M. Kamal, T. Mudrini, M. Hadna ev-Kosti, B. Likozar, **J. Dostanić**, D. Lon arevi, Metal doped TiO<sub>2</sub> decorated carbon nanostructured materials as an emerging photocatalysts for solar fuels production, *Catal. Today* **2024**. *In Press*; <https://doi.org/10.1016/j.cattod.2024.114724>

: 5,3 (2022)

, / ( ):

: Chemistry, Applied 14/73

: 9 (M21=5,71)

#2.3. M. Duki, D. Sredojevi, M. Férováb, V. Slovak, D. Lon arevi, **J. Dostanić**, H. T̄lipur, V. Lazi, J. M. Nedeljkovi, Interfacial charge transfer complexes between ZnO and benzene derivatives: Characterization and photocatalytic hydrogen production, *Int. J. Hydrogen Energ.*, **2024**, 62, 628–636; <https://doi.org/10.1016/j.ijhydene.2024.03.075>

: 7,2 (2022)

, / ( ):

: Chemistry, Physical, 41/161

: 9 (M21=5,71)

2.4. H. T̄lipur, D. Lon arevi, **J. Dostanić**, B. Likozar, A. Pra-nikar, D. Manojlovi, Nickel-loaded nitrogen-doped titanate nanostructured catalysts for solar-light driven hydrogen evolution and environmental remediation, *Int. J. Hydrogen Energ.*, **2022**, 47(26), 12937–12952; <https://doi.org/10.1016/j.ijhydene.2022.02.054>.

: 7,2 (2022)

, / ( ):

: Chemistry, Physical, 41/161

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2.5. **J. Dostanić**, M. Hu, D. Lon arevi, Effect of substituents in hydroxyl radical-mediated degradation of azo pyridone dyes: Theoretical approaches on the reaction mechanism, *J. Environ. Sci.*, **2020**, 98, 14–21; <https://doi.org/10.1016/j.jes.2020.05.022>

: 5,565 (2020)

, / ( ):

: Environmental Sciences 55/274 (

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#2.6. V. Đor evi, D.N. Sredojevi, **J. Dostanić**, D. Lon arevi, S.P. Ahrenkiel, N. T̄raki, E. Brothers, M. Beli, J.M. Nedeljkovi, Visible light absorption of surface-modified Al<sub>2</sub>O<sub>3</sub> powders: A comparative DFT and experimental study, *Micropor. Mesopor. Mat.*, **2019**, 273, 41–49. <https://doi.org/10.1016/j.micromeso.2018.06.053>

: 4,551 (2019)

, / ( ):

: Chemistry, Applied, 13/71

( ): 13  
: 9 (M21=5,71)

**Радови у истакнутом међународном часопису (M22 = 5; 2×5,00+1×3,12=13,12)**

**2.7.** K. Milošević, D. Lončarević, T. Mudrinić, M. Kalagasidis Krušić, **J. Dostanić**, Mechanistic insights into the simultaneous visible-light induced photodegradation of organic pollutants by g-C<sub>3</sub>N<sub>4</sub>/titanate heterojunction, *J. Nanopart. Res.*, 2023, 25, 26; <https://doi.org/10.1007/s11051-023-05673-x>

: 2,5 (2022)

, / : Materials Science, Ceramics, 106/178

( ): 1  
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**2.8.** M. Hadnačević-Kosti, D. Karanović, T. Vučić, **J. Dostanić**, D. Lončarević, Photocatalytic properties of ZnFe-mixed oxides synthesized via a simple route for water remediation, *Green. Process. Synth.*, 2023, 12(1), 20228153; <https://doi.org/10.1515/gps-2022-8153>

: 4,3 (2022)

, / : Chemistry, Multidisciplinary, 66/178

( ): 0  
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**2.9.** M. Milošević Prekajski, I. Vukojević, V. Lazić, V. Milošević, D. Sredojević, **J. Dostanić**, D. Lončarević, S.P. Ahrenkiel, M.R. Beli, J.M. Nedeljković, Electronic structure of surface complexes between CeO<sub>2</sub> and benzene derivatives: A comparative experimental and DFT study, *Mater. Chem. Phys.*, 2019, 236, 121816; <https://doi.org/10.1016/j.matchemphys.2019.121816>

: 3,408 (2019)

, / : Materials Science, Multidisciplinary 115/314

( ): 5  
: 10 (M22=3,12)

**Радови у међународном часопису (M23 = 3; 1×3,00 =3,00)**

**2.10.** I.S. Stefanović, **J. Dostanić**, D. Lončarević, D. Vasiljević-Radošević, S. Ostojić, S. Marković, M.V. Pergal, Preparation and characterization of poly(Urethane-siloxane)/titanium-dioxide nanocomposites, *Chem. Ind.*, 2019, 73(1), 13–24; <https://doi.org/10.2298/HEMIND180530002S>.

: 0,407 (2019)

, / : Engineering, Chemical, 136/143

( ): 8  
: 7

**Уређивање истакнутог међународног научног часописа (гост уредник) (M286=2,5, 1×2,50 =2,50)**

2.11. "Photocatalysis Application in Environment Science"  
in Journal Processes. (Прилог 3)

### 3. Зборници међународних научних скупова (M30)

Од претходног избора:  $M30 = 1,5 + 7 + 4,5 = 13$

Предавање по позиву са међународног скупа штампано у изводу ( $M32 = 1,5; 1 \times 1,5 = 1,5$ )

3.1. J. Dostanić, D. Lon arevi , New and Future Developments in Photocatalytic Water Splitting, New and Future Developments in Photocatalytic Water Splitting. Book of Abstracts of the III International School-Conference Applied Nanotechnology and Nanotoxicology, 10th-13<sup>th</sup> October 2019, Sochi, Russia, str. 20. ISBN: 978-5-906376-26-8.

Радови саопштени на скупу међународног значаја, штампани у целини  
( $M33 = 1; 7 \times 1 = 7$ )

3.2. K. Milo-evi , D. Lon arevi , J. Dostanić, Simultaneous photodegradation of methylene blue and orange G dyes using g-C<sub>3</sub>N<sub>4</sub>/titanate heterojunction nanocomposite, Proceedings of the 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry, 26<sup>th</sup>-30<sup>th</sup> September 2022, Belgrade, Serbia, Volume I, str. 153-156. ISBN: 978-86-82475-41-5.

3.3. H. Tmlipur, J. Dostanić, D. Lon arevi , Photocatalytic production of hydrogen on platinum doped titanate catalyst: influence of alcohol chain length, Proceedings of the 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry, 26<sup>th</sup>-30<sup>th</sup> September 2022, Belgrade, Serbia, Volume I, str. 157-160. ISBN: 978-86-82475-41-5.

3.4. H. Tmlipur, D. Lon arevi , J. Dostanić, Hydrogen production from glycerol photo-reforming over Pt/N-doped titanate photocatalysts. Proceedings of the 15th International Conference on Fundamental and Applied Aspects of Physical Chemistry, 20<sup>th</sup>-24<sup>th</sup> September 2021, Belgrade, Serbia, Volume I, str. 155. ISBN: 978-86-82475-38-5.

3.5. K. Milo-evi , D. Lon arevi , J. Dostanić, Photodegradation of dyes using g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub>-based nanocomposite, Proceedings of the 15th International Conference on Fundamental and Applied Aspects of Physical Chemistry, 20<sup>th</sup>-24<sup>th</sup> September 2021, Belgrade, Serbia, Volume I, str. 159. ISBN: 978-86-82475-38-5.

\*3.6. D. Lon arevi , J. Dostanić, J. Papan, J. Nedeljkovi , Photocatalytic hydrogen production over nickel modified titania catalysts, Proceedings of the 14th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, 24<sup>th</sup>-28<sup>th</sup> September 2018, Belgrade, Serbia, Volume I, str.161-168. ISBN: 978-86-82475-36-1

\*3.7. M. Hadna ev-Kosti , J. Dostanić, T. Vuli , A. Joki , ZnFe-Mixed metal oxides as efficient and promising photocatalysts, Proceedings of the 14th International Conference on Fundamental and Applied

Aspects of Physical Chemistry, 24th-28th September **2018**, Belgrade, Serbia, Vol. I, str. 245-248. ISBN: 978-86-82475-36-1

**\*3.8. J. Dostanić**, D. Lonarevi, Photocatalytic hydrogen production over nickel modified titania catalysts, Proceedings of the 14th International Conference on Fundamental and Applied Aspects of Physical Chemistry, 24th-28th September **2018**, Belgrade, Serbia Vol. I, str. 249-252. ISBN: 978-86-82475-36-1

**Радови саопштени на скупу међународног значаја, штампани у изводу (M34 = 0,5; 9×0,5 = 4.5)**

**3.9. J. Dostanić**, H. Milić, M. Fronczak, D. Lonarevi, Deactivation study of Pt doped TiO<sub>2</sub> decorated C<sub>3</sub>N<sub>4</sub> nanomaterials in H<sub>2</sub> production by solar and visible light driven photocatalytic water splitting. Book of abstracts of the 8th International Conference on Semiconductor Photochemistry (SP8), Strasbourg, France, 11<sup>th</sup>-15<sup>th</sup> September **2023**, str. P-60.

**3.10. J. Dostanić**, H. Milić, A. Pra-nikar, K. M. Kamal, D. Lonarevi, Metal doped TiO<sub>2</sub> decorated carbon nanostructured materials as an emerging photocatalysts for solar fuels production. Book of abstracts of the 8th International Conference on Semiconductor Photochemistry (SP8), Strasbourg, France, 11<sup>th</sup>-15<sup>th</sup> September **2023**, str. P-61.

**3.11. K. Milošević**, D. Lonarevi, M. Kalagasidis Krušić, T. Mudrini, **J. Dostanić**, Kinetics and mechanism study of photocatalytic degradation using heterojunction semiconductors. Book of abstracts of the Advanced Ceramics and Application XI New Frontiers in Multifunctional Material Science and Processing, 18<sup>th</sup>-20<sup>th</sup> September **2023**, Belgrade, Serbia, str. 53-54. ISBN: 978-86-905714-0-6.

**3.12. K. Milošević**, D. Lonarevi, T. Mudrini, **J. Dostanić**, Heterojunction semiconductors photocatalytic study. Book of abstracts of the 15th European Congress on Catalysis, Prague, Czech Republic 27<sup>th</sup> August - 1<sup>st</sup> September **2023**, str. 1053.

**3.13. H. Milić**, M. Huš, A. Pra-nikar, **J. Dostanić**, D. Lonarevi, Influence of Butanol Isomers on Photocatalytic Hydrogen Production over Pt doped titanate catalyst, Book of abstracts. Book of abstracts of the 15th European Congress on Catalysis, Prague, Czech Republic 27<sup>th</sup> August - 1<sup>st</sup> September **2023**, str. 1067.

**3.14. H. Milić**, **J. Dostanić**, D. Lonarevi, Nickel doped titanate catalysts for photocatalytic hydrogen generation. Book of abstracts of the 18th Young Researchers Conference, Materials Science and Engineering, 4<sup>th</sup>-6<sup>th</sup> December **2019**, Belgrade, Serbia, str. 38. ISBN: 978-86-80321-35-6

**3.15. J. Dostanić**, H. Milić, D. Lonarevi, D. Paneva, Z. Cherkezova Zheleva, Enhancement of Photocatalytic Hydrogen Production of Ni Modified Titania/TiO<sub>2</sub> Nanostructures by Tuning Structural and Morphological Properties. Book of abstracts of the 21<sup>st</sup> International Workshop on Nanoscience & Nanotechnology, 21<sup>st</sup>-22<sup>nd</sup> November **2019**, Varna, Bulgaria, str 17.

**3.16. J.M. Dostanić, D. Lončarević, J. Nedeljković, Activity and stability investigation of Ni modified titanate/TiO<sub>2</sub> nanostructures in photocatalytic hydrogen production. Book of Abstracts of the 6<sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, 26<sup>th</sup>–30<sup>th</sup> June 2019, Portorož-Portorose, Slovenia, str. 319-320. ISBN: 978-961-93849-5-4.**

**\*3.17. M.S. Hadnačević-Kosti, T.J. Vučić, A.I. Jokić, J.M. Dostanić, D.R. Lončarević, ZnFe photocatalysts: The effect of thermal treatment and the pH of the reaction system on the photocatalytic properties. Book of Abstracts of the 55<sup>th</sup> Meeting of the Serbian Chemical Society, 8<sup>th</sup>–9<sup>th</sup> June 2018, Novi Sad, Serbia, str. 52. ISBN: 978-86-7132-070-2.**

## 6. Зборници са скупова националног значаја (M60)

Од претходног избора: M60 = 0,20

(M64=1×0,20=0,20)

**6.1. H. Tadić, J. Dostanić, D. Lončarević, Nickel modified titanate semiconductors for photocatalytic hydrogen production. Book of abstracts of the 7th Conference of the Young Chemist of Serbia, 2<sup>nd</sup> November 2019, Belgrade, Serbia, str. 135, ISBN: 978-86-7132-076-4.**

Укупно од избора: M = 81,95

Укупан ИФ од избора = 44,261

## (Б) Радови пре претходног избора у звању:

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**1. Монографска студија/поглавље у књизи M11 или рад у тематском зборнику водећег међународног значаја (M13)**

**2. Радови објављени у међународним часописима; научна критика, уређивање часописа**

Укупно: M20 = 50+21,71+42,74+24,00=138,45

Укупно ИФ=51,858

**Радови у међународном часопису изузетних вредности (M21a = 10; 5×10 =50)**

**2.1. M. Hadnačević-Kosti, T. Vučić, R. Marinković-Nedun, D. Lončarević, J. Dostanić, S. Markov, D. Jovanović, Photo-induced properties of photocatalysts: A study on the modified structural, optical and textural properties of TiO<sub>2</sub>-ZnAl layered double hydroxide based materials, *J. Clean. Prod.*, **2017**, *164*, 1–8; <https://doi.org/10.1016/j.jclepro.2017.06.091> : 5,651 (2017)**

- , / : Environmental Sciences, 21/242  
( ): 58  
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- 2.2. J. Dostanić**, D. Lon arevi , M. Zlatar, F. Vlahovi , D.M. Jovanovi , Quantitative structure-activity relationship analysis of substituted arylazo pyridone dyes in photocatalytic system: Experimental and theoretical study, *J. Hazard. Mater.*, **2016**, 316, 26–33; <https://doi.org/10.1016/j.jhazmat.2016.05.015>  
: **6,065** (2016)  
, / : Environmental Sciences, 13/229  
( ): 14  
: 5
- 2.3. J. Dostanić**, B. Grbi , N. Radi , P. Stefanov, Z. Мрoнји , J. Buha, D. Mijin, Photodegradation of an azo pyridone dye using TiO<sub>2</sub> films prepared by the spray pyrolysis method, *Chem. Eng. J.*, **2012**, 180, 57–65; <https://doi.org/10.1016/j.cej.2011.10.100>  
: **3,473** (2012)  
, / : Engineering, Chemical, 10/133  
( ): 22  
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- 2.4.** D. Lon arevi , J. Krsti , **J. Dostanić**, D. Manojlovi , fi. upi , D.M. Jovanovi , Cyclohexane oxidation and cyclohexyl hydroperoxide decomposition by poly(4-vinylpyridine-co-divinylbenzene) supported cobalt and chromium complexes, *Chem. Eng. J.*, **2010**, 157, 181–188; <https://doi.org/10.1016/j.cej.2009.11.034>  
: **3,074** (2010)  
, / : Engineering, Chemical, 10/135  
( ): 38  
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- 2.5.** Z. Mojovi , P. Bankovi , A. Milutinovi -Nikoli , **J. Dostanić**, N. Jovi -Jovi i , D. Jovanovi , Al,Cu-pillared clays as catalysts in environmental protection, *Chem. Eng. J.*, **2009**, 154, 149–155; <https://doi.org/10.1016/j.cej.2009.05.004>  
: **2,813** (2008)  
, / : Engineering, Chemical, 6/116  
( ): 38  
: 6
- Радови у врхунском међународном часопису (M21 = 8; 2x8+1x5,71=21,71)**
- 2.6.** B. Mili evi , V. or evi , D. Lon arevi , **J.M. Dostanić**, S.P. Ahrenkiel, M.D. Drami anin, D. Sredojevi , N.M. Мraki , J.M. Nedeljkovi , Charge-transfer complex formation between TiO<sub>2</sub> nanoparticles and thiosalicylic acid: A comprehensive experimental and DFT study, *Opt. Mater.*, **2017**, 73, 163–171; <https://doi.org/10.1016/j.optmat.2017.08.011>  
: **2,183** (2015)



, / : Optics, 25/90  
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: 9 (M21=5,71)

**2.7.** D. Lon arevi , **J. Dostanić**, V. Radonji , A. Radosavljevi -Mihajlovi , D.M. Jovanovi , Structure-activity relationship of nanosized porous PEG-modified TiO<sub>2</sub> powders in degradation of organic pollutants, *Adv. Powder. Technol.*, **2015**, 26(4), 1162–1170; <https://doi.org/10.1016/j.appt.2015.05.012>

: 2,478 (2015)

, / : Engineering, Chemical, 37/135  
( ): 7  
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**2.8.** **J. Dostanić**, B. Grbi , N. Radi , S. Stojadinovi , R. Vasili , Z. Vukovi , Preparation and photocatalytic properties of TiO<sub>2</sub>-P25 film prepared by spray pyrolysis method, *Appl Surf. Sci.*, **2013**, 274, 321–327; <https://doi.org/10.1016/j.apsusc.2013.03.052>

: 2,538 (2013)

, / : Materials Science, Coatings & Films, 2/18  
( ): 20  
: 6

**Радови у истакнутом међународном часопису (M22 = 5; 7x5+1x3,57+1x4,17 = 42,74)**

**2.9.** V. Lazi , I. Smi iklas, J. Markovi , D. Lon arevi , **J. Dostanić**, S.P. Ahrenkiel, J.M. Nedeljkovi , Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid, *Vacuum*, **2018**, 148, 62–68; <https://doi.org/10.1016/j.vacuum.2017.10.039>

: 2,515 (2018)

, / : Materials Science, Multidisciplinary, 134/293  
( ): 26  
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**2.10.** S. Markovi , A. Stankovi , **J. Dostanić**, L. Veselinovi , L. Man i , S.D. Tškarpin, G. Draffi , I. Jankovi - astvan, D. Uskokovi , Simultaneous enhancement of natural sunlight- and artificial UV-driven photocatalytic activity of a mechanically activated ZnO/SnO<sub>2</sub> composite, *RSC Adv.*, **2017**, 7 (68), 42725–42737; <https://doi.org/10.1039/c7ra06895f>

: 2,936 (2017)

, / : Chemistry, Multidisciplinary, 71/171  
( ): 28  
: 9 (M22=3,57)

**2.11.** **J. Dostanić**, D. Lon arevi , V. or evi , S.P. Ahrenkiel, J.M. Nedeljkovi , The photocatalytic performance of silver halides- Silver carbonate heterostructures, *J. Photoch. Photobio. A*, **2017**, 336, 1–7; <https://doi.org/10.1016/j.jphotochem.2016.12.019>

: 2,891 (2017)

- , / : Chemistry, Physical, 65/147  
( ): 8  
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- 2.12.** V. or evi , **J. Dostanić**, D. Lon arevi , S.P. Ahrenkiel, D.N. Sredojevi , N. Traki , M. Beli , J.M. Nedeljkovi , Hybrid visible-light responsive Al<sub>2</sub>O<sub>3</sub> particles, *Chem. Phys. Lett.*, **2017**, 685, 416–421; <https://doi.org/10.1016/j.cplett.2017.08.012>  
: **1,815** (2016)  
, / : Physics, Atomic, Molecular & Chemical, 18/36  
( ): 10  
: 8 (M22=4,17)
- 2.13.** **J. Dostanić**, D. Mijin, G. Uumlj , D.M. Jovanovi , M. Zlatar, D. Lon arevi , Spectroscopic and quantum chemical investigations of substituent effects on the azo-hydrazone tautomerism and acid-base properties of arylazo pyridone dyes, *Spectrochim. Acta A*, **2014**, 123, 37–45; <https://doi.org/10.1016/j.saa.2013.12.064>  
: **2,353** (2014)  
, / : Spectroscopy, 15/44  
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- 2.14.** **J. Dostanić**, D. Lon arevi , Lj. Rofli , S. Petrovi , D. Mijin, D.M. Jovanovi , Photocatalytic degradation of azo pyridone dye: Optimization using response surface methodology, *Desalin. Water. Treat.*, **2013**, 51(13-15), 2802–2812; <https://doi.org/10.1080/19443994.2012.750699>  
: **0,987** (2013)  
, / : Engineering, Chemical, 78/133  
( ): 28  
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- 2.15.** S. Petrovi , Lj. Rofli , B. Grbi , N. Radi , **J. Dostanić**, S. Stojadinovi , R. Vasili , Morphology and fractal dimension of TiO<sub>2</sub> thin films, *Maced. J. Chem. Chem. En.*, **2013**, 32(2), 309–317; <https://doi.org/10.20450/mjccce.2013.450>  
: **1,079** (2011)  
, / : Engineering, Chemical, **66/133**  
( ): 8  
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- 2.16.** **J. Dostanić**, D. Lon arevi , P. Bankovi , O. Cvetkovi , D. Jovanovi , D. Mijin, Influence of process parameters on the photodegradation of synthesized azo pyridone dye in TiO<sub>2</sub> water suspension under simulated sunlight, *J. Environ. Sci. Heal. A*, **2011**, 46, 70–79; <https://doi.org/10.1080/10934529.2011.526905>  
: **1,363** (2009)  
, / : Engineering, Environmental, **22/42**  
( ): 22

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**2.17. J. Dostanić**, T. Volkov-Husovi , R. Jan i -Heinemann, G. U– umli , D. Mijin, The influence of bonding agents in improving interactions in composite propellants determined using image analysis, *J. Microsc.-Oxford*, **2008**, 232(3), 530 533; <https://doi.org/10.1111/j.1365-2818.2008.02115.x>

: 1,409 (2008)

, / : Microscopy, **6/9**

( ): 6

: 5

#### Радови у међународном часопису (M23 = 3; 8×3 =24)

**2.18. D. Lon arevi** , I. Vukoje, **J. Dostanić**, A. Bjelajac, V. or evi , S. Dimitrijevi , J.M. Nedeljkovi , Antimicrobial and photocatalytic abilities of Ag<sub>2</sub>CO<sub>3</sub> nano-rods, *ChemistrySelect* **2017**, 2 (10), 2931 2938; <https://doi.org/10.1002/slct.201700003>

: 1,505 (2017)

, / : Chemistry, Multidisciplinary, **106/171**

( ): 15

: 7

**2.19. D. Lon arevi** , **J. Dostanić**, V. Radonji , Lj. fiivkovi , D.M. Jovanovi , Simultaneous photodegradation of two textile dyes using TiO<sub>2</sub> as a catalyst, *React. Kinet. Mech. Cat.* **2016**, 118, 153 164; <https://doi.org/10.1007/s11144-016-0990-0>

: 1,264 (2016)

, / : Chemistry, Physical, **112/146**

( ): 18

: 7

**2.20. J. Dostanić**, D. Lon arevi , A. Radosavljevi -Mihajlovi , D.M. Jovanovi , Modification of dense TiO<sub>2</sub> particles using polyethylene glycol template: Synthesis, characterization, and photocatalytic activity, *Russ. J. Phys. Chem. A*, **2015**, 89(13), 2492 2496;

<https://doi.org/10.1134/S0036024415130130>

: 0,597 (2015)

, / : Chemistry, Physical, **136/144**

( ): 0

: 7

**2.21. A. Milutinovi -Nikoli** , **J. Dostanić**, P. Bankovi , N. Jovi -Jovi i , S. Luki , B. Rosi , D. Jovanovi , A new type of bentonite-based non-woven composite, *J. Serb. Chem. Soc.*, **2011**, 76, 1411 1425; <https://doi.org/10.2298/JSC100702123M>

: 0,879 (2011)

, / : Chemistry, Multidisciplinary, **103/154**

( ): 1

: 7

**2.22. J. Dostanić**, N. Valenti , G. U– umli , D. Mijin, Synthesis of 5-(substituted phenylazo)-6-hydroxy-4-methyl-3-cyano-2-pyridones from ethyl 3-oxo-2-(substituted phenylazo)butanoates, *J. Serb. Chem. Soc.*, **2011**, 76, 499–504; <https://doi.org/10.2298/JSC100618044D>

: **0,879** (2011)

, / : Chemistry, Multidisciplinary, **103/154**  
( ): 18  
: 7

**2.23. P. Bankovi** , A. Milutinovi -Nikoli , N. Jovi -Jovi i , **J. Dostanić**, fi. upi , D- Lon arevi , D. Jovanovi , Synthesis, Characterization and Application of Al,Fe-Pillared Clays, *Acta Phys Pol. A*, **2009**, 115, 811–815; <https://doi.org/10.12693/APhysPolA.115.811>

: **0,433** (2009)

, / : Physics, Multidisciplinary, **60/71**  
( ): 13  
: 7

**2.24. M. Dimitrijevi** , **J. Dostanić**, T. Volkov-Husovi , Method for determining refractory specimen heat resistance, *Refract. Ind. Ceram.*, **2008**, 49, 403–403;

<http://dx.doi.org/10.1007/s11148-008-9060-0>

: **0,119** (2008)

, / : Materials Science, Ceramics, **23/24**  
( ): 0  
: 3

**2.25. J. Dostanić**, G. U– umli , T. Volkov-Husovi , R. Jan i -Heinemann, D. Mijin, The use of image analysis for the study of interfacial bonding in solid composite propellant, *Serb. Chem. Soc.*, **2007**, 72, 1023-1030;

<http://dx.doi.org/10.2298/JSC0710023D>

: **0,536** (2007)

, / : Chemistry, Multidisciplinary, **95/127**  
( ): 7  
: 5

### 3. Зборници међународних научних скупова (M30)

Укупно: M30 =1,5+8,0+5,5=15,0

Предавање по позиву са међународног скупа штампано у изводу  
(M32 = 1,5; 1×1,5 =1,5)

**3.1. J. Dostanić**, D. Lon arevi , B. Grbi , N. Radi , S. Stojanovi , R. Vasili , Z. Vukovi ,  
"Preparation, surface properties and photocatalytic performance of nanocrystalline titania films",

COST MP1402 SCIENTIFIC WORKSHOP, ALD and related ultra-thin film processes for advanced devices, Belgrade, Serbia (2017), Book of Abstracts, p. 10.

: Прилог 1

Радови саопштени на скупу међународног значаја, штампани у целини  
(МЗЗ = 1; 8×1,0 =8,0)

**3.2.** S. Markovi , A. Stankovi , Lj. Veselinovi , S. Stojadinovi , **J. Dostanić**, S. Ђапин, D. Uskokovi . Optical and photocatalytic properties of ZnO:SnO<sub>2</sub> composite. Proceedings, Vol. I of the 13th International Conference of Fundamental and Applied Aspects of Physical Chemistry, 26<sup>th</sup>–30<sup>th</sup> September **2016**, Belgrade, Serbia, str. 219-222.  
ISBN: 978-86-82475-34-7

**3.3.** I.S. Stefanovi , B.M. Ekmečić , **J. Dostanić**, D. Lončarević , D. Vasiljević -Radović , S. Markovi , M.V. Pergal, Impact of the TiO<sub>2</sub> nanoparticles on the properties of urethane-siloxane copolymers. Proceedings, Vol. II of the 13th International Conference of Fundamental and Applied Aspects of Physical Chemistry, 26<sup>th</sup>–30<sup>th</sup> September **2016**, Belgrade, Serbia, str. 645-648.  
ISBN: 978-86-82475-33-0

**3.4.** **J. Dostanić**, D. Lončarević , M. Zlatar, Theoretical study of substituent effects on structural properties of arylazo pyridone dyes. Proceedings, Vol. I of the 12th International Conference of Fundamental and Applied Aspects of Physical Chemistry, 22<sup>th</sup>–26<sup>th</sup> September **2014**, Belgrade, Serbia, str. 180-183.  
ISBN: 978-86-82475-30-9.

**3.5.** D. Lončarević , **J. Dostanić**, A. Radosavljević -Mihajlović , Photocatalytic Activity of PEG-Modified Catalysts. Proceedings, Vol. I of the 12th International Conference of Fundamental and Applied Aspects of Physical Chemistry, 22<sup>th</sup>–26<sup>th</sup> September **2014**, Belgrade, Serbia, str. 239-242.  
ISBN: 978-86-82475-30-9.

**3.6.** Lj. Roflić , N. Radić , B. Grbić , **J. Dostanić**, S. Petrović , R. Vasilić , S. Stojadinović , Morphology and Surface Fractal Dimension of TiO<sub>2</sub> films. Proceedings, Vol. I of the 11th International Conference of Fundamental and Applied Aspects of Physical Chemistry, 22<sup>th</sup>–26<sup>th</sup> September **2012**, Belgrade, Serbia, str. 468-470.  
ISBN: 978-86-82475-27-9

**3.7.** P. Banković , A. Milutinović -Nikolić , A. Rosić , N. Jović -Jovičić , **J. Dostanić**, Structural and textural properties of Fe-containing pillared clay catalysts. Proceedings, Vol. I of the 9th International Conference of Fundamental and Applied Aspects of Physical Chemistry 24<sup>th</sup>–26<sup>th</sup> September **2008**, Belgrade, Serbia, str. 148-150.  
ISBN: 978-86-82475-16-3

**3.8.** **J. Dostanić**, A. Milutinović -Nikolić , P. Banković , N. Jović -Jovičić , D. Jovanović , Sorption of Cu<sup>2+</sup> ions on geosynthetic clay liners. Proceedings, Vol. II of the 9th International Conference of

Fundamental and Applied Aspects of Physical Chemistry, 24<sup>th</sup>–26<sup>th</sup> September 2008, Belgrade, Serbia, str. 485–487.

ISBN: 978-86-82475-13-2

**3.9. J. Dostanić**, M. Dimitrijević, R. Janić -Heinemann, T. Volkov-Husovi, Implementation of Image Analysis for Characterization of Refractories and Ceramic fibers. Proceedings of the 4th Balkan Conference on Metallurgy, 27<sup>th</sup>–29<sup>th</sup> September 2006, Zlatibor, Serbia, str. 589-594.

**Радови саопштени на скупу међународног значаја, штампани у изводу**  
(М34 = 0,5; 11×0,5 =5,5)

**3.10.** S. Marković, A. Stanković, **J. Dostanić**, L. Manić, S. Davor Tkaćin, D. Uskoković, "*Enhanced natural sunlight- and artificial UV-driven photocatalytic activity of mechanically activated ZnO/SnO<sub>2</sub> composite*", Nineteenth Annual Conference, YUCOMAT 2017, Herceg Novi, Montenegro (2017) Book of Abstracts, p. 49.

**3.11. J. Dostanić**, D. Lončarević, D. Mijin, D.M. Jovanović, "*Photocatalytic degradation of substituted arylazo pyridone dyes*", The fifth Serbian Ceramic Society Conference ADVANCED CERAMICS AND APPLICATION V, Belgrade, Serbia (2016), Book of abstracts, p. 62.

**3.12.** Z. Nedić, T. Novaković, Lj. Rofić, **J. Dostanić**, "*Textural and morphological properties of heteropoly acid supported on acid activated smectite clay*", XIV International Clay Conference, Castellana Grotte, Italy (2009), Book of abstracts, Vol. II, p. 169.

**3.13.** A. Milutinović-Nikolić, **J. Dostanić**, P. Banković, N. Jović-Jović, S. Lukić, D. Jovanović, "*Bentonite-based geotextile composites*", XIV International Clay Conference, Castellana Grotte, Italy (2009), Book of abstracts, Vol. II, p. 166.

**3.14.** Z. Mojović, P. Banković, A. Milutinović-Nikolić, **J. Dostanić**, N. Jović-Jović, D. Jovanović, "*Al, Cu-pillared clays as catalyst in environmental protection*", XVIII International Conference on Chemical Reactors CHEMREACTOR-18, Malta (2008), Book of Abstracts, 494-495.

**3.15.** P. Banković, A. Milutinović-Nikolić, N. Jović-Jović, **J. Dostanić**, Filipović, D. Lončarević, D. Jovanović, "*Synthesis, characterization and application of Fe-pillared clays*", YUCOMAT, Herceg Novi, Montenegro (2008), Book of Abstracts, p. 146.

**3.16. J. Dostanić**, T. Volkov-Husovi, G. Umlauf, R. Janić -Heinemann, D. Mijin, "*The influence of bonding agents in improving interactions in composite propellants determined using image analysis*", 3rd Serbian Congress for Microscopy, Belgrade, Serbia (2007), Proceedings, 61-62.

**3.17. J. Dostanić**, A. Milutinovi -Nikoli , V. Rizmanoski, S. Luki , D. Jovanovi , "Nonwoven geotextile composites with bentonite", YUCOMAT, Herceg Novi, Montenegro (2007), Book of Abstracts, p. 163.

**3.18. A. Milutinovi -Nikoli , J. Dostanić**, P. Bankovi , S. Luki , D. Jovanovi , "Bentonite based composites in soil protection", 1 st Symposium of Chemistry and Enviromental, Milo er-Budva, Montenegro (2007), Book of abstracts, p. 116.

**3.19. T. Volkov-Husovi , J. Dostanić**, M. Dimitrijevi , D. Mitrakovi , "An improved thermal stability characterization method for refractory specimen", ICOSECS-5, Ohrid, Macedonia (2006), Book of abstracts, Vol. II, p. 415.

**3.20. J. Dostanić**, M. Barbu, R. Jan i -Heinemann, T. Volkov-Husovi , G. U– umli , D. Mijin, "The Use of Image Analysis for Interaction of 1, 3, 5 - Trisubstituted Isocyanurates with Oxidizer and Different Binders in Composite Propellants", 1st South East European Congress of Chemical Engineering, Belgrade, Serbia (2005), Book of Abstract, p. 247.

#### 4. Монографије националног значаја

Поглавље у књизи М42 или рад у тематском зборнику националног значаја (М45=1,5; 1x1,5=1,5)

**4.1. A. Milutinovi -Nikoli , J. Krsti , J. Dostanić**, „  
„  
12, , , 2013, ISBN: 978-86-81405-19-2

#### 5. Радови у часописима националног значаја

Рад у врхунском часопису националног значаја (М51=2; 1x2,0=2,0)

**5.1. J. Dostanić**, M. Barbu, R. Jan i -Heinemann, T. Volkov-Husovi , G. U– umli , D. Mijin, Kori– enje analize slike za utvr ivanje interakcije 1,3,5- trisupstituisanih izocijanurata sa oksidansom i razli itim vezivima u kompozitnim gorivima, *Hem. Ind.*, 60 (2006) 72-77. ISSN broj asopisa: 0367-598X

#### 7. Одбрањена докторска дисертација (М70 = 6)

„  
„  
2013.  
<https://nardus.mpn.gov.rs/handle/123456789/2878>

Укупно А+Б: М = 244,90

Укупан ИФ А+Б = 96,096

### III) АНАЛИЗА НАУЧНИХ РЕЗУЛТАТА И ДОПРИНОС КАНДИДАТА ЊИХОВОЈ РЕАЛИЗАЦИЈИ

#### 1. Фотокаталитичко добијање водоника

##### 2.1.

/ ( )

500 °C

##### 2.2.

(Ni, Au, Pt) TiO<sub>2</sub>

CO<sub>2</sub> CO CH<sub>4</sub> Ni Pt Ni Au CO<sub>2</sub> CO Pt Ni Au CH<sub>4</sub>

##### 2.4.

##### 2.1.



2.3. interfacial charge transfer (ICT) complex).

ZnO

( ( , )). 5- 3,4-

ZnO.

3,4-

## 2. Фотокаталитичка деградација органских загађивача

1.1.

2.7.

C<sub>3</sub>N<sub>4</sub>/

2.8.

Zn/Fe o

300 °C 500 °C

ZnFe<sub>2</sub>O<sub>4</sub>

2.10. ( - )/TiO<sub>2</sub>  
TiO<sub>2</sub>.

### 3. Примена квантно-механичка израчунавања у фотокаталитичким процесима

2.5.

2.6. 2.9.  
/ ( )

#### IV) АНАЛИЗА ИЗАБРАНИХ ПЕТ НАЈЗНАЧАЈНИЈИХ НАУЧНИХ ОСТВАРЕЊА КАНДИДАТА ОД ПОСЛЕДЊЕГ ИЗБОРА У НАУЧНО ЗВАЊЕ

1. (1.1.) M. Hadna ev-Kosti , T. Vuli , **J. Dostanić**, D. Lon arevi , šDesign and application of various visible light responsive metal oxide photocatalystsoin Handbook of Smart Photocatalytic Materials Fundamentals, Fabrications, and Water Resources Applications, Editor Chaudhery Mustansar Hussain, Elsevier, **2019**, 65-89. DOI: <https://doi.org/10.1016/B978-0-12-819051-7.00003-8>

ISBN: 978-3-0346-0479-6

Web adresa: <https://www.sciencedirect.com/science/article/abs/pii/B9780128190517000038>

: 4

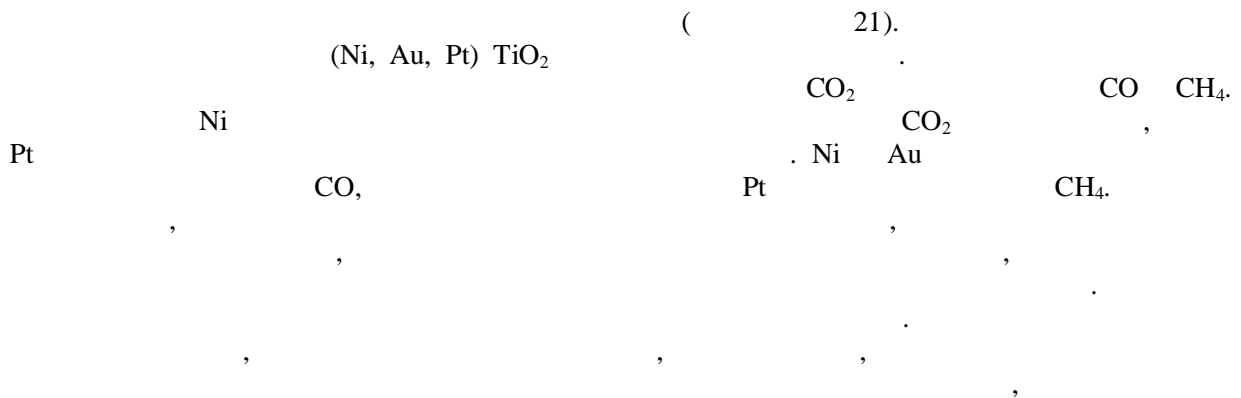
( . linear free energy relationship, LFER)

**2. (#2.2.)** Н. Мlipur, М. Fronczak, А. Pra-nikar, К.М. Kamal, Т. Mudrini , М. Hadna ev-Kosti , В. Likozar, **J. Dostanić**, D. Lon arevi , Metal doped TiO2 decorated carbon nanostructured materials as an emerging photocatalysts for solar fuels production, *Catal. Today* **2024**. *In Press*; <https://doi.org/10.1016/j.cattod.2024.114724>

: 5,3 (2022)

( / ) : 0  
: 9 (M21=5,71)

: Chemistry, Applied 14/73



**3. (2.1.) J. Dostanić**, D. Lon arevi , V.B. Pavlovi , J. Papan, J.M. Nedeljkovi , Efficient photocatalytic hydrogen production over titanate/titania nanostructures modified with nickel, *Ceram. Int.*, **2019**, *45 (15)*, 19447-19455=

<https://doi.org/10.1016/j.ceramint.2019.06.200>

: 3,830 (2019)

( / ) : 8  
: 5

: Materials Science, Ceramics, 2/28

( 21 ).

500 °C

4. (2.5.) J. Dostanić, M. Hu, D. Lon arevi , Effect of substituents in hydroxyl radical-mediated degradation of azo pyridone dyes: Theoretical approaches on the reaction mechanism, *J. Environ. Sci.*, **2020**, 98, 14-21.

<https://doi.org/10.1016/j.jes.2020.05.022>

: 5,565 (2020)

): 11

: 3

: Environmental Sciences 55/274

(

( 21).

5. (3.1.) J. Dostanić, D. Lon arevi , New and Future Developments in Photocatalytic Water Splitting, New and Future Developments in Photocatalytic Water Splitting. Book of Abstracts of the III International School-Conference Applied Nanotechnology and Nanotoxicology, 10th-13<sup>th</sup> October **2019**, Sochi, Russia, str. 20. ISBN 978-5-906376-26-8.

III International School-Conference Applied

Nanotechnology and Nanotoxicology

## V КВАЛИТАТИВНА ОЦЕНА НАУЧНОГ ДОПРИНОСА

### V–1) Показатељи успеха у научном раду

#### 1.1. Уводна предавања на научним конференцијама и друга предавања по позиву

:

1. "Preparation, Surface Properties and Photocatalytic Performance of Nanocrystalline Titania Films"  
COST "ALD and related ultra-thin film processes for advanced devices", а а , 29. 30. 2017. .
2. "Photocatalytic Production of Hydrogen as an Efficient Energy Carrier"  
ERASMUS "Potential of renewable energy use in Serbia" а а , 27. 1. 2019. .
3. "New and Future Developments in Photocatalytic Water Splitting"  
"III International School-Conference Applied Nanotechnology and Nanotoxicology"  
а , 10. 13. 2019. .
4. "Application of heterogeneous photocatalysis in environmental protection and for water splitting processes"  
Pioneers into Practice - Climate-KIC Pioneers, , , ,4. 2018. .

### Прилог 1 -

#### 1.2. Чланства у одборима међународних научних конференција

- , : *Young Researchers' Conference Materials Science and Engineering* (3 )  
 ) *International Conference on Fundamental and Applied Aspects of Physical Chemistry* (6 ).
- *Fifteenth Young Researchers' Conference Materials Science and Engineering*, , 7. 9. 2016. .
  - *Sixteenth Young Researchers' Conference Materials Science and Engineering*, , 6. 8. 2017. .
  - *Seventh Young Researchers' Conference Materials Science and Engineering*, , 5. 7. 2018. .
  - *11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2012*, , 24. 28. 2012. .
  - *12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2014*, , 22. 26. 2014. .
  - *13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2016*, , 26. 30. 2016. .
  - *14th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2018*, , 26. 30. 2018. .

- 15th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2021, , 20. 24. 2021. .
- 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2022, , 26. 30. 2022. .

**Прилог 2 -**

**1.3. Чланства у уређивачким одборима часописа**

(Guest Editor) (Special Issue)  
"Photocatalysis Application in Environment Science" Processes (ISSN 2227-9717).  
"Catalysis Enhanced Processes"

**Прилог 3 -**

**1.4. Рецензије научних радова и пројеката**

**а) Рецензије научних радова**

		25		ISI SCI	7
M23.	M21a, 8	M21, 3	M22	7	

**Прилогу 4.**

**б) Рецензије монографија**

а - , : " : " , , , 2016. .

**Прилог 5 -**

**в) Рецензије пројеката**

( 6).

V-2) Ангажованост у развоју услова за научни рад, образовање и формирање научних кадрова

**2.1. Допринос развоју науке у земљи**

. К је

е

"

е

"

g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub>/

"

"

:

(engl. Density functional theory-DFT)

-

-

/

:

"

"

/

**2.2. Менторство при изради магистарских и докторских радова, руковођење специјалистичким радовима**

**2.2.1 Менторство при изради докторског рада**

:" g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub>/  
ментора.  
19.01.2022.  
( : 61206-174/2-22),  
др Јасмина Достанић,  
( 22 (2.7.), 33 (3.2., 3.5.), 34 (3.11., 3.12.)).  
Прилог 7- ( ).

**2.2.2. Учесће у реализацији докторског рада**

) је 09.12.2021. "  
: 1017/2. : "  
др. Јасмина Достанић,  
) : 2 21 (2.2., 2.3., 2.4.), 2 33 (3.3., 3.4.), 5 34 (3.9., 3.10.,  
3.13., 3.14., 3.15.), 1 64 (6.1.).  
) је "  
" ( : 020-2/91-12/2). -  
15.03.2024.  
др. Јасмина



Достанић, , , M22 (2.8.).

Прилог 8 - ( )

### 2.3. Међународна сарадња

, , ,

1. ( )  
( ),  
2010.-2013. "Synthesis and catalytic properties of heterogeneous catalysts"  
2014.-2016. "Preparation and application of new catalytic materials"  
2020.-2022. "Green synthesis of advanced catalytic materials for environmental protection"  
- **руководилац пројекта**

2. ( )  
2020-2021. "Adding value to biodiesel production ó intensified conversion of glycerol to hydrogen and value added bio-additives".  
2023-2025. "Band structure engineering design for construction of heterojunction semiconductors for enhanced photocatalytic activity. Theoretical and experimental study". **руководилац пројекта**

3. **Pioneers into Practice - Climate-KIC Pioneers**  
4 (01.10-26.10.2018. )

Climate-KIC's Pioneers into Practice Programme.

4. **EPACMUS**  
05.10.2020. - 10.10.2020. :

5. Maciej Fronczak  
1. 8. " 2022. ,  
"

: 2.2, 2.4, 2.5, 3.9, 3.10, 3.13.

Прилог 9 -

### 2.4. Организација научних скупова

*Researchers' Conference Materials Science and Engineering* *Young*  
*Fundamental and Applied Aspects of Physical Chemistry* (Прилог 2). *International Conference on*

### V-3) Организација научног рада

#### 3.1. *Руковођење пројектима, потпројектима и задацима*

- " Трансфер технологије " 01.03.2021-28.02.2025. . . . . :
- ( ): "Green synthesis of advanced catalytic materials for environmental protection" 2020.-2022. . . . . :
- ( ): "Band structure engineering design for construction of heterojunction semiconductors for enhanced photocatalytic activity. Theoretical and experimental study". 2023-2025. . . . . :
- " " 450001 " " " " . . . . . :

#### Прилог 10 -

#### 3.2. *Технолошки пројекти*

- :" " " - 6717 2005.-2006. . . . . "
- " - 6712 ,2007. . . . .
- "Multifunctional visible-light-responsive inorganic-organic hybrids for efficient hydrogen production and disinfection-HYDIS" ПРИЗМА, . . . . .

#### Прилог 11-

#### 3.3. *Значајне активности у комисијама и телима Министарства за науку и технолошки развој и телима других министарстава везаних за научну делатност:*

- ,
- ,
- ,

#### Прилог 12 ó

### V-4) Квалитет научних резултата

**4.1. Утицајност научних резултата:**

530. 31 . 08.04.2024. (36),  
 491, Scopus Web of Science  
 377. (Прилог  
 13).

**4.2. Параметри квалитета часописа и позитивна цитираност кандидатових радова**

9 M23) 1 M20 (6 M21a, 8 M21, 12 M22  
 M51.  
 (08. 2018. ),  
 11 (M13) 10  
 M20 (1 M21a, 5  
 M21, 3 M22 1 M23).  
 ИФ=96,096, 08.05.2018. .,  
 ИФ=44,261. > 1,5 23 , 12  
 > 3, 6 > 5. Scopus Хиршов индекс  
 h=15 ( ) h=14 ( ).

**4.3. Ефективни број радова и број радова нормираних на основу броја коаутора**

1, 1.4), 1 ( ( #)  
 / (1+0,2(-7)), >7,) ( ) III ,

**4.4. Степен самосталности и степен учешћа у реализацији радова у научним центрима у земљи и иностранству**

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2.1., 2.5. ( ), 2.2., 2.3., 2.8., 2.11., 2.13., 2.14., 2.16., 2.17., 2.20., 2.22., 2.25. ( ), 6  
(2.10. ( ), 2.7., 2.12., 2.19., 2.21., 2.24. ( ), 1  
(2.7. ( ))).

(2.2., 2.4.,  
2.7., 2.8. ( )).

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2.3., 2.4., 2.5., 2.6., 2.9. ( ), 2.3., 2.6., 2.9., 2.10., 2.11., 2.12. ( )).

(EMPA, Swiss Federal  
Laboratories for Materials Science and Technology), (South Dakota School of Mines and  
Technology), (Texas A&M University at Qatar), (Lodz University of Technology),  
(Department of Chemistry, University of Ostrava) ( );

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(2.2., 2.4., 2.5.) ( )

(3.10., 3.13.) ( )

Lodz . Maciej  
Fronczak 1. 8. 2022.

Lodz University of Technology

(2.2. - )

(3.9. - )

**4.5. Допринос кандидата реализацији коауторских радова**

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13 ( 2.1., 2.5. ( ), 2.2., 2.3., 2.8., 2.11., 2.13, 2.14., 2.16., 2.17., 2.20., 2.22., 2.25. ( )),

III

**4.6. Значај радова**

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**V ИСПУЊЕНОСТ УСЛОВА ЗА СТИЦАЊЕ ПРЕДЛОЖЕНОГ НАУЧНОГ ЗВАЊА НА ОСНОВУ КОЕФИЦИЈЕНТА М**

**НАУЧНИ САВЕТНИК**, природно-математичке и медицинске наука :

2018. (8. )	70		
<b>Научни саветник</b>		<b>70</b>	<b>81,95</b>
(1)	10+ 20+ 31+ 32+ 33+ 41+ 42+ 90	<b>50</b>	<b>77,25</b>
(2)	11+ 12+ 21+ 22+ 23	<b>35</b>	<b>59,25</b>

**VI ЗАКЉУЧАК КОМИСИЈЕ О НАУЧНОМ ДОПРИНОСУ КАНДИДАТА, СА ОБРАЗЛОЖЕЊЕМ И ПРЕДЛОГОМ ЗА ОДЛУЧИВАЊЕ УПУЋЕН НАДЛЕЖНОМ ВЕЋУ**

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(§ . , 49/2019)  
(§ . , 159/2020 14/2023).

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244,90.

(08.05.2018)

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( 33), 11 (1 - 32, 9 - 34 1 - 64).

81,95,

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(1) 77,25 ( 50)

(2) 59,25 ( 35).

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HYDIS, : 5354

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Maciej Fronczak

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Др Јасмина Достанић,

научни саветник, 2024

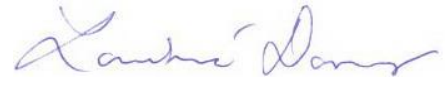
дипл. инжењера технологије

научни саветник

др Јасмине Достанић,

Београд, 10.05.2024.

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, председник



др Жељко Чупић, научни саветник

, члан



др Јован Недељковић, научни саветник

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