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1994. Godina - Doktorska disertacija: “Elektrokataliza oksidacije D-glukoze na monokristalnim platinskim elektrodama”, Tehnološko-metalurški fakultet Univerziteta u Beogradu

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Znanje jezika: Engleski

Ruski

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Najznačajniji projekti: Međunarodni:

“**Elektrokataliza na površinama modifikovanim adatomima stranih metala**”, jugoslovensko-američki fond, JFP-764 (NSF). IHTM Centar za elektrohemiju - Case Western Reserve University, Cleveland, Ohio, USA, 1986 – 1989.

“**Strukturni efekti u elektrokatalizi za gorive spregove**”, jugoslovensko-američki fond, JFP-427 (DOE), 1988-1991; JFP-966 (DOE) 1991-1994. IHTM Centar za elektrohemiju - Brookhaven National Laboratory, Upton, New York, USA.

“**Ispitivanje oksidacije i redukcije glukoze na nanostrukturnim niklenim elektrodama**”, jugoslovensko-poljski projekat: IHTM Centar za elektrohemiju, Univerzitet u Beogradu - Institute of Catalysis and Surface Chemistry, Polish Academy of Science, Krakow, Poland, 2001-2003.

“**Elektrokatalitički procesi na nanočesticama platine**”, srpsko - poljski projekat: IHTM-Centar za elektrohemiju, Univerzitet u Beogradu – Institute of Catalysis and Surface Chemistry, Polish Academy of Science, Krakow, Poland, 2004 – 2006.

“**Nove anode u gorivim spregovima: elektrokatalitički procesi na Pt-Bi legurama**”, srpsko - poljski projekat: IHTM-Centar za elektrohemiju, Univerzitet u Beogradu – Institute of Catalysis and Surface Chemistry, Polish Academy of Science, Krakow, Poland, 2007 – 2009.

Nacionalni projekti - Osnovna istraživanja:

“**Elektrodika, elektrokataliza i elektrohemijska konverzija energije**”, Ministarstvo za nauku Republike Srbije, 1988 - 1995.

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“Elektrodika I elektrokataliza”, br. 02E20, Ministarstvo za nauku i tehnologiju Republike Srbije, 1996 - 2000.
“Elektrokataliza na nanomaterijalima: od model sistema do realnih katalizatora”, br. ON H-1796, Ministarstvo za nauku, tehnologiju i razvoj Republike Srbije, 2001 - 2005.
“Novi materijali za primenu u gorivim spregovima sa polimernom membranom”, br. ON H-142056, Ministarstvo za nauku, tehnologiju i razvoj Republike Srbije, 2006 - 2010.
“Nov pristup dizajniranju materijala za konverziju i skladištenje energije”, ON H-172060, Ministarstvo prosvete i nauke Republike Srbije, 2011 – 2016.

Izabrane publikacije: Monografije, poglavlja u knjigama:

1. N.S.Marinković, **K.Đ.Popović**, A.V.Tripković, S.Štrbac, N.M.Marković, R.R.Adžić, "Elektrohemija na monokristalnim površinama", poglavlje u monografiji "Uloga teorije u razvoju industrijske katalize", str. 53, Vojvođanska akademija nauke i umetnosti, Novi Sad (1992).

PUBLIKOVANI RADOVI:

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2. J.D. Lović, S.I. Stevanović, D.V. Tripković, A.V. Tripković, R.M. Stevanović, V.M. Jovanović, **K.Đ. Popović**, „Insight into electrocatalytic stability of low loading Pt-Bi/GC and Pt/GC clusters in formic acid oxidation”, *J. Solid State Electrochem.*, **19** (2015) 2223-2233.
3. J.D. Lović, S.I. Stevanović, D.V. Tripković, V.V. Tripković, R.M. Stevanović, **K.Đ. Popović**, V.M. Jovanović, "Formic acid oxidation at platinum-bismuth clusters", *J. Electrochem. Soc.*, **161** (9) (2014) H547-H554.
4. J.D. Lović, S.I. Stevanović, D.V. Tripković, V.M. Jovanović, R.M. Stevanović, A.V. Tripković, **K.Đ. Popović**, "Catalytic activities of Pt thin films electrodeposited onto Bi coated glassy carbon substrate toward formic acid electrooxidation", *J. Electroanal. Chem.*, **735** (2014) 1-9.
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10. A.V. Tripković, J.D. Lović, **K.Đ. Popović**, "Comparative study of ethanol oxidation at Pt – based nanoalloys and UPD modified Pt nanoparticles", *J.Serb.Chem.Soc.*, **75** (2010) 1559.
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19. J.D. Lović, A.V. Tripković, S.Lj. Gojković, **K.Đ. Popović**, D.V. Tripković, P. Olszewski, A. Kowal, "Kinetic study of formic acid oxidation at carbon-supported platinum electrocatalyst", *J. Electroanal. Chem.*, **581** (2005) 294.
20. A.V. Tripković, V.M. Jovanović, J.D. Lović, **K.Đ. Popović**, A. Kowal, "Particle size effect: methanol oxidation on supported Pt catalysts", *Mat.Sci.Forum*, **494** (2005) 229.
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22. A.V. Tripković, **K.Đ. Popović**, J.D. Lović, "Study of supported Pt and PtRu catalysts in methanol and formic acid oxidation", *Mat.Sci.Forum*, **453** (2004) 121.
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 40. **Ksenija Đ. Popović**, Amalija V. Tripković, "Elektrokataliza oksidacije D-glukoze na monokristalima platine u kiseljoj sredini", *Hem.Ind.*, **50** (1996) 396.
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 44. **K.Đ. Popović**, A.V. Tripković, R.R. Adžić, "Mechanistic study of D-glucose oxidation on single-crystal platinum electrodes in alkaline solution", *J. Serb. Chem. Soc.*, **59** (1994) 677.
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 46. N.S. Marinković, **K.Đ. Popović**, A.V. Tripković, S. Štrbac, N.M. Marković, R.R. Adžić, "Elektrohemijska na monokristalnim površinama", poglavlje u monografiji "Uloga teorije u razvoju industrijske katalize", str. 53, Vojvođanska akademija nauke i umetnosti, Novi Sad (1992).
 47. N.S. Marinković, **K.Đ. Popović**, A.V. Tripković, N.M. Marković, R.R. Adžić, "Electrochemistry on single crystal surfaces", Proceedings of workshop on "Structural effects in electrocatalysis and oxygen electrochemistry", Vol.92-11, p.353, The Electrochem. Soc., Inc. (1992).
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 51. **K.Đ. Popović**, A.R. Despić, "Effect of Poly (4-Vinyl Pyridine-co-Methyl methacrylate) on Morphology of Electrodeposits of Zinc from Aqueous Solutions". *J. Serb. Chem. Soc.*, **53** (1988) 105.

SAOPŠTENJA:

1. J.D. Lović, S.I. Stevanović, D.V. Tripković, **K.Đ. Popović**, R.M. Stevanović, V.M. Jovanović, A.V. Tripković, "Formic acid oxidation on low loading Pt-Bi catalyst: insights into electrocatalytic activity and stability", *65th Annual ISE Meeting*, ISE141042, Lausanne, Switzerland 2014.
2. J.D. Lović, S.I. Stevanović, D.V. Tripković, R.M. Stevanović, **K.Đ. Popović**, V.M. Jovanović, A.V. Tripković, "Formic acid oxidation at platinum-coated bismuth deposits on glassy carbon substrate", *Third Regional Symposium on Electrochemistry of South-East Europe*, Book of abstracts, p. 23, Ljubljana, Slovenia, 2013.
3. S. Stevanović, D. Tripković, J. Rogan, J. Lović, **K. Popović**, A. Tripković, V.M. Jovanović, "Ethanol oxidation on carbon supported platinum based bimetallic catalysts synthesized by microwave assisted polyol procedure", *63rd Annual ISE Meeting*, ID s05a-052, Prague, Czech Republic, 2012.

4. J.D. Lović, S.I. Stevanović, **K.Đ. Popović**, R.M. Stevanović, V.M. Jovanović, A.V. Tripković, "Electrocatalytic properties of Pt thin films electrodeposited onto Bi coated GC for formic acid oxidation", *63rd Annual ISE Meeting*, Prague, Czech Republik, 2012.
5. J.D. Lović, M.D. Obradović, D.V. Tripković, **K.Đ. Popović**, V.M. Jovanović, S.Lj. Gojković, A.V. Tripković, „High activity and stability of Pt₂Bi catalyst in formic acid oxidation”, *63rd Annual ISE Meeting*, ISE121520, Prague, Czech Republik, 2012.
6. Jelena D. Lović, **Ksenija Đ. Popović**, Amalija V. Tripković, "Effects of UPD adlayer of foreign metals on the oxidation of ethanol on carbon supported Pt-based catalysts", *Second Regional Symposium on Electrochemistry of South-East Europe*, Book of abstracts, p 61, Belgrade, Serbia, 2010.
7. Amalija V. Tripković, Jelena D. Lović, **Ksenija Đ. Popović**, "Ethanol oxidation at Pt-based alloys and UPD modified Pt/C catalysts", *Second Regional Symposium on Electrochemistry of South-East Europe*, Book of abstracts, p 139, Belgrade, Serbia, 2010.
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9. A.V. Tripković, S.Lj. Gojković, **K.Đ. Popović**, J.D. Lović, A. Kowal, "Electrooxidation of formic acid on unmodified and Bi modified Pt₃Ru₂ nanocatalyst", *First Regional Symposium on Electrochemistry of South-East Europe*, Book of abstracts, p 172, Rovinj, Croatia 2008.
10. A.V. Tripković, **K.Đ. Popović**, R.M. Stevanović, A. Kowal "Electrochemical oxidation of formic acid on PtBi alloy", *First Regional Symposium on Electrochemistry of South-East Europe*, Book of abstracts, p 177, Rovinj, Croatia 2008.
11. **K.Đ. Popović**, A.V. Tripković, J.D. Lović, "Activity of carbon supported Pt₃Ru₂ nanocatalyst in CO oxidation", *59th Annual ISE Meeting*, Book of abstracts, S02-P-053, Sevilla, Spain, 2008.
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13. **K.Đ. Popović**, A.V. Tripković, A. Kowal, "Electrooxidation of formic acid on PtBi alloy", *57th Annual ISE Meeting*, Book of abstracts, S8-P-64, Edinburgh, UK, 2006.
14. A.V. Tripković, J.D. Lović, **K.Đ. Popović**, "Comparative study of formic acid oxidation on Pt and PtRu supported catalysts", *57th Annual ISE Meeting*, Book of abstracts, S8-P-80, Edinburgh, UK, 2006.
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16. A.V. Tripković, **K.Đ. Popović**, J.D. Lović, V.M. Jovanović, A. Kowal, "Study of methanol oxidation at supported and polycrystalline Pt electrodes in alkaline solution", *XXXVI ogólnopolskiego kolokwium katalitycznego*, Materiały P.I-51, p.132, Krakow, Poland, 2004.
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19. A.V. Tripković, **K.Đ. Popović**, J.D. Lović, V.M. Jovanović, "Methanol oxidation at supported electrodes: anion effect", *55th Annual ISE Meeting*, p. 710, Thessaloniki, Greece, 2004.
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23. A.V. Tripković, **K.Đ. Popović**, N.M. Marković, P.N. Ross, "Electrocatalysis on nanoparticles: from model system to supported catalysts", *The 1st Spring ISE Meeting*, Alicante, Spain, 2003.
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