

4. Списък на научните публикации и учебните помагала

23 в реферирани списания (от тях 9 с импакт-фактор):

1. K.Ignatova, L.Nikolova, E.Kashchieva, *Bulletin of Electrochemistry*, 14(10)1998, 315-319 (“Joint effect of pulse electrolysis and an organic additive on the morphology of silver powder”)
2. L.Petkov, D.Kostova, V.Manolov, A.Ruskova, K.Ignatova, *Journal of the University of Chemical Technology and Metallurgy*, 41,3, **2006**, 329-332 (“Electroextraction of copper from sulfuric acid waste waters”)
- 3.Katya Ignatova, D.Stoikova, *Bulg.Chem.Communication*, vol.43, 1, **2011**, 48-53 (“Study of the influence of nitrite anions on the electrode processes in ammonium electrolyte for Ag-Cu deposition.”)
- 4.Katya Ignatova, Lyubomir Petkov, *Journal of the University of Chemical Technology and Metallurgy*, 44,2, 133-138, **2009** (“Electrodeposition and morphology of Cu,Co and Cu-Co alloy coating in aminosulphate electrolyte.”)
- 5.Lyubomir Petkov, Katya Ignatova, *Bulgarian Chemical Communication*, vol.41, 1, 39-45, **2009** (“Investigation of the processes and mechanism of electrodeposition of Cu from ammonium nitrate electrolyte by the method of cyclic voltamperometry”)
6. Katya Ignatova, Lyubomir Petkov, *“Powder Metalurgy and Metal Ceramic”* , vol.49, issue 11-12, **2011**, 707-715 („Electrodeposition and morphology of Ni-Co alloy powders by constant and pulsating overpotential electrolysis”)
7. Il. Gagzhov, D. Lilova, K. Ignatova, *Journal of the University of Chemical Technology and Metallurgy*, 47,2, **2012**, 161-166 (“Investigation on anode behavior of silver in non-cyanide electrolyte.”)
8. Il. Gagzhov, K.Ignatova, D. Lilova, *Journal of the University of Chemical Technology and Metallurgy*, 47,2, **2012**, p.167-171 (“Membrane electrochemical obtaining rodanide silver concentrates”)
9. Katya Ignatova, Yordanka Marcheva, *Bulgarian Chemical Commun.*, vol.45, Special Edition A, 57-63, 2013 (“ Electrodeposition and structure of Co coatings (Co-Cu, Ni-Co and Co-Ni-Cu) in potentiostatic and pulse potential modes”)
10. Katya Ignatova, Yordanka Marcheva, *Journal of the University of Chemical Technology and Metallurgy*, vol.48,3, 308-315, **2013** (“Stationary and pulse electrodeposition of nanostructured CuNi and CuNiCo coatings”)
11. Katya Ignatova, *Bulg.Chem.Communication*.,vol.45, 357-365, 2013 (“Electrodeposition of Ag and Ag-Ni powders in potentiostatic and pulse potential modes”)

12. Katya Ignatova, Margarita Stoycheva, Lyubomir Petkov, ***XVIII Congreso Internacional en Metalurgia, Sonara Mexico, 2009***, 160-170 (“Electrodeposition and morphology of Cu, Co, Cu-Co alloys”) доклад в пълен вид
13. Katya Ignatova, Yordanka Marcheua, *Bulg.Chem.Comm.*, 48, Nr.4, 2016, (“Composition and structure of Ni-Co coating depending on the Ni/Co ratio in citrate electrolyte”)
14. Katya Ignatova, Yordanka Marcheua, *Bulg.Chem.Comm.*, 47, Nr.2, 2015, 678-683 (“Electrodeposition of Ni-Co alloy on chemically oxidized Al”)
15. Katya Ignatova, ***Bulg.Chem.Comm.***, 47, Nr .3, 776-782, 2015 („Effect of H₃BO₃ and Na₃citrat on the conditions of electrodeposition of Ni-Co alloy from citrate electrolyte“)
16. Iliа Gadzhov, Daniela Lilova, Katya Ignatova, *Journal of Chemical Technology and Metallurgy*, vol.50, iss.1, 2015, 44-51, („Membrane electrochemical obtainment of three-polyphosphate Non-cyanide Electrolyte for Coppering“)
17. Katya Ignatova, Daniela Lilova, Iskra Piroeva, *Journal of Chemical Technology and Metallurgy*, vol.50, iss.3, 2015, 299-307 („Effect of organic additives in citrate electrolyte on the properties of Ni-Co alloy“)
18. Katya Ignatova, Daniela Lilova, *Journal of Chemical Technology and Metallurgy*, vol.50, iss.2, 199-206, **2015** („A kinetic study of the electrodeposited Ni-Co alloy in citrate electrolyte: Part 1: The kinetic study of the independent electrodeposition of Ni and Co“)
19. Katya Ignatova, Daniela Lilova, *Journal of Chemical Technology and Metallurgy*, vol.50, iss.2, **2015**, 207-212 („A kinetic study of the electrodeposited Ni-Co alloy in citrate electrolyte: Part 2: The kinetic of joint electrodeposition of Ni and Co in Ni-Co alloy system“)
20. Katya Ignatova, Daniela Lilova, (Comparative study on electrodeposition of Co-Cu alloys from ammonia-sulphate and citrate electrolyte), *Journal of Chemical Technology and Metallurgy*, 51, 2, 173-180, **2016**
21. Katya Ignatova, Iskra Piroeva, Stela Vladimitova-Atanasova, *Journal of Chemical Technology and Metallurgy*, (“Effect of electrodeposition conditions on the morphology and corrosion behavior of Ni-Co alloys.: Part 1: Chemical composition, cathodic current efficiency and morphology of Ni-Co alloys electrodeposited from citrate electrolyte”), 51, 1, **2016**, 99-105
22. Katya Ignatova, Georgy Avdeev, *Journal of Chemical Technology and Metallurgy*, (“Effect of electrodeposition conditions on the morphology and corrosion behavior of Ni-Co alloys. Part 2: Phase composition and anodic behaviors of Ni-Co alloys electrodeposited from citrate electrolyte”), 51, 1, **2016**, 106-111
23. Katya Ignatova, Stefan Kojuharov, Lyudmil Vladimirov, Mariano Milanés (“Impact of the electroplating regime on the chemical composition of Ni-Co-P based coatings in non-complexing electrolyte”), Научни трудове на Русенския Университет – **2015**, том 54, серия 10.1, 81-85

Участия в конференции:

1. Katya Ignatova, Daniela Stoikova, *Sofia Electrochemical days 2010, Int Conference*, May 11-13, **2010**, Sofia Bulgaria, (“Study of the influence of nitrite anions on the electrode processes in ammonium electrolyte for Ag-Cu deposition.”) **доклад в пълен вид ВСС, Book of Abstracts**
2. Katya Ignatova, Yordanka Marcheva, *Sofia Electrochemical days 2012, Int Conference*, December 10-13 **2012**, Sofia Bulgaria (“Electrodeposition and structure of Co coatings (CoCu, NiCo and CoNiCu) in potentiostatic and pulse potential modes”); **доклад в пълен вид ВСС, Book of Abstracts**
3. Katya Ignatova, Yordanka Marcheva, *Anniversary Scientific conference with international participation* (“Electrodeposition of Ni-Co alloy on chemically oxidized Al”), **Yune 4, 2013-Yune 5, 2013, резюме**
4. Katya Ignatova, Margarita Stoycheva, Lyubomir Petkov, *XVIII Congreso Internacional en Metalurgia, Sonara Mexico*, **2009** (Electrodeposition and morphology of Cu, Co, Cu-Co alloys”) **доклад в пълен вид**
5. Katya Ignatova, Daniela Lilova, (Comparative study on electrodeposition of Co-Cu alloys from ammonia-sulphate and citrate electrolyte), 5th Regional Symposium on Electrochemistry of South-Eastern Europe 7-11 JUNE, **2015** (RIU Pravets Resort), Bulgaria
6. Katya Ignatova, Stefan Kojuharov, Lyudmil Vladimirov, (“Impact of the electroplating regime on the chemical composition of Ni-Co-P based coatings in non-complexing electrolyte”), Conference with international participation, University of Ruse “Angel Kanchev”, Branch Razgrad – Bulgaria, 16.10-17.10.2015, **доклад в пълен вид**
7. Katya Ignatova, Yordanka Marcheva, (“ Effect of saccharine on the properties of NiCo alloy coatings deposited in citrate electrolytes”), Proc. XXV International Scientific Conference Electronics, ET – 2016, September 12-14, Sozopol - Bulgaria, **доклад в пълен вид, приет**

Учебни помагала:

Издадени учебници: „Ръководство по Теоретична електрохимия с основни понятия, решени примери и лабораторни упражнения”, Катя Игнатова, ХТМУ, София, 2014, 263 стр.

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