

Списък на забелязани цитати на трудовете, включени в дисертацията

Dobrovolska, Ts., Krastev, I. and Zielonka, A. Indium deposition from an alkaline solution - Part I: Deposition from weakly-alkaline cyanide electrolytes, *Galvanotechnik*, 95 (2004) 872-878.

1. Jelinek, T.W. Fortschritte in der Galvanotechnik., *Galvanotechnik* 96 (1) (2005), 42-71
2. Szöcs, E., Schwager, F., Toben, M., Brese, N. 2008 Microwave metallurgy: Synthesis of intermetallic compounds via microwave irradiation, *Proceedings - 2008 2nd Electronics System integration Technology Conference, ESTC*, art. no. 4684373, pp. 347-350

Dobrovolska, Ts., Krastev, I. and Zielonka, A. Electrodeposition of indium from alkaline electrolytes-II: Cyclic voltammetric studies of indium electrodeposition from strongly alkaline cyanidep , *Galvanotechnik*, 95 (2004) 1134-1141

3. Jelinek, T.W. Fortschritte in der Galvanotechnik., 2005 *Galvanotechnik* 96, (2005), 42-71
4. Szöcs, E., Schwager, F., Toben, M., Brese, N. Microwave metallurgy: Synthesis of intermetallic compounds via microwave irradiation, 2008 *Proceedings - 2008 2nd Electronics System integration Technology Conference, ESTC*, art. no. 4684373, pp. 347-350

Dobrovolska, Ts., Veleva, L., Krastev, I., Zielonka, A., Composition and Structure of Silver-Indium Alloy Coatings Electrodeposited from Cyanide Electrolytes, *Journal of the Electrochemical Society*, 152 (3) (2005) C137-142

5. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 27).
6. Lekse, J.W., Stagger, T.J., Aitken, J.A. 2007 *Chemistry of Materials* 19 (15), pp. 3601-3603
7. Freudenberger, R. 2007 *Galvanotechnik* 98 (7), pp. 1600-1607
8. Avramov, I., Avramova, K. 2007 *Journal of Non-Crystalline Solids* 353 (2), pp. 218-220
9. Milchev, A. 2008 *Russian Journal of Electrochemistry* 44 (6), pp. 619-645
10. Jovic, V., B. Lacnjevac, Jovic, B. Electrodeposition and Characterization of Alloys and Composite Materials in *Modern Aspects of Electrochemistry - Electrodeposition and Surface Finishing, Fundamentals and Applications* (ed. Stojan Djokić), Volume 57, (2014) 1-84
11. López-Sauri, D., Veleva, L. and Pérez, G. Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd , Alloys Electrodeposition, *Int. J. Electrochem. Sci.*, 9 (2014) 1102 - 1116
12. Lacitignola, D., Bozzini, B., & Sgura, I. (2014). Spatio-Temporal Organization in a Morphochemical Electrodeposition Model: Analysis and Numerical Simulation of Spiral Waves. *Acta Applicandae Mathematicae*, 1-13.

Dobrovolska, Ts., Krastev, I., Zielonka, A., Effect of the electrolyte composition on In and Ag-In alloy electrodeposition from cyanide electrolytes, *Journal of Applied Electrochemistry*, 35, (2005), 1245-1251

13. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 28), ISSN: 1432-8488.
14. Krischer K., Proceedings Gesellschaft Deutscher Naturwissenschaftler und Ärzte, April 2007

15. Lekse JW, Stagger TJ, Aitken JA, 2007 *Chemistry of Materials* 19 (15), pp. 3601-3603
16. López-Sauri, D., Veleva, L. and Pérez, G., Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd , Alloys Electrodeposition, *Int. J. Electrochem. Sci.*, 9 (2014) 1102 - 1116
17. Jovic, V., Lacnjevac, U. Jovic, B. Electrodeposition and Characterization of Alloys and Composite Materials in Modern Aspects of Electrochemistry - Electrodeposition and Surface Finishing, Fundamentals and Applications (ed. Stojan Djokić), Volume 57, (2014) 1-84

Dobrovolska, Ts., Jovic, V. D., Jovic, B. M. and Krastev, I., Phase identification in electrodeposited Ag-In alloys by ALSV technique, *J. Electroanalytical Chemistry*, Volume 611, Issues 1-2, 232-240

18. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation *J SolidStateElectrochem.*, 17, (2013), 467-479, (цитат 29), ISSN: 1432-8488.
19. López-Sauri, D., Veleva, L. and Pérez, G., Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd , Alloys Electrodeposition, *Int. J. Electrochem. Sci.*, 9 (2014) 1102 - 1116

Dobrovolska, Ts., Beck, G., Krastev, I. and Zielonka, A., Phase Composition of Electrodeposited Silver-Indium Alloys, *Journal of Solid State Electrochem.*, 12, 11, (2008), 1461-1467

20. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation *J SolidStateElectrochem.*, 17, (2013), 467-479
21. С. Нинева, Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.
22. Arora, N., Jagirdar, B. R., & Klabunde, K. J. (2014). Digestive ripening facilitated atomic diffusion at nanosize regime: Case of AuIn₂ and Ag₃In intermetallic nanoparticles. *Journal of Alloys and Compounds*, 610, 35-44.

Dobrovolska, Ts., Kowalik, R., Zabinski, P., and Krastev, I., Investigations of the surface morphology of electrodeposited Ag-In coatings by means of optical, scanning-electron and atomic-force microscopy, *Bulg. Chem. Commun.*, vol. 40 (3) 2008, 254-260

23. Vazquez, C.I., Lacconi, G.I., Nucleation and growth of silver nanostructures onto HOPG electrodes in the presence of picolinic acid, *Journal of Electroanalytical Chemistry*, 691, (2013), 42-50.

Dobrovolska, Ts., Kowalik, R., Zabinski, P., Krastev, I. Investigations of the surface morphology of electrodeposited Ag-In coatings by means of optical, scanning-electron and atomic-force microscopy, *Bulgarian Chemical Communications* 40 (2008) 254-260

24. Нинева, С., Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.

Dobrovolska, T., Krastev, I., Zielonka, A., Electrodeposition of silver-indium alloy from cyanide-hydroxide electrolytes, *Russian Journal of Electrochemistry* 44 (2008) 676- 682.

25. С. Нинева, Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.

Krastev, I., Dobrovolska, T., Kowalik R., Zabinski, P. and Zielonka, A., Properties of silver-indium alloys electrodeposited from cyanide electrolytes, *Electrochimica Acta*, 54 (9), (2009), pp. 2515-2521

26. Freudenberger, R., The electrodeposition of precious metals for technical applications, [Die elektrolytische Abscheidung von Edelmetallen für technische Anwendungen], *Galvanotechnik*, Volume 102, Issue 4, April 2011, Pages 765-774
27. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 31), ISSN:1432-8488.
28. С. Нинева, Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.
29. Freudenberger, R., Elektrolytische Abscheidung von Edelmetallen für technische Anwendungen. *Galvanotechnik*, 100(11), (2009) 2476 - 2491

Jović, B. M., Dobrovolska, T., Lačnevjac, U., Krastev, I., and Jović, V.D., Characterization of electrodeposited Co-Cd alloy coatings by anodic linear sweep voltammetry, *Electrochimica Acta*, 54, (2009), 7565-7572

30. González Pérez, O., Castro Larragoitia, S., Rodríguez-Torres, I., Preliminary studies on the electrochemical recovery of Zn and Cd from effluent produced by a zinc refinery plant using a filter press reactor, *Journal of Chemical Technology and Biotechnology*, Volume 88, Issue 7, July 2013, Pages 1371-1379
31. С. Нинева, Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.

Dobrovolska, T., Krastev, I., Zielonka, A., Pattern formation in silver alloys: silver-cadmium, *Galvanotecnica-AIFM*, Italy, 5, (2009), 287-289

32. Jelinek, T. W., Fortschritte in der Galvanotechnik, *Galvanotechnik*, 102,1, (2011), 26-47
33. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 23), ISSN:1432-8488.

Dobrovolska T., Krastev, I. and Zielonka A., Pattern formation in Electrodeposited Silver-Cadmium Alloys, *ECS Transactions*, 25 (20) 1-9 (2010)

34. Nakouzi, E., Sultan, R., Fractal structures in two-metal electrodeposition systems II: Cu and Zn, *Chaos*, Volume 22, Issue 2, 4 April 2012, Article number 023122,
35. Нинева, С. Электрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.
36. López-Sauri, D., Veleva, L. and Pérez, G., Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd Alloys Electrodeposition, *Int. J. Electrochem. Sci.*, 9 (2014) 1102 - 1116
37. Jovic, V., B. Lacnjevac, Jovic, Electrodeposition and Characterization of Alloys and Composite Materials in *Modern Aspects of Electrochemistry - Electrodeposition and Surface Finishing, Fundamentals and Applications* (ed. Stojan Djokić), Volume 57, (2014) 1-84

Nineva, S., Dobrovolska, Ts., Krastev, I., Electrodeposition of Ag-Co coatings. *Electrolytes, Bulg. Chem. Commun.*, 43, 1, (2011), 88-95

38. Glushkova, M., Ved, M., Sakhnenko, N., Corrosion properties of cobalt-silver alloy electroplates, *Materials science*, 49, 3, November 2013, 293-297
39. Глушкова, М., Вед, М., Сахненко, Н., Корозионни свойства кобальт-серебряных сплавных покрытий, *Фізико-хімічна механіка матеріалів*, Харків, 49, 3, (2013), <http://www.ipm.lviv.ua/editions/pcmm/index.php?menu=2&language=ua>, (цитат 6).

Nineva, S., Dobrovolska, Ts., Krastev, I., Electrodeposition of Ag-Co coatings. The cyanide-pyrophosphate electrolyte, *Bulg. Chem. Commun.*, 43, 1, (2011), 96-104

40. Krasikov, A. V., Krasikov, V. L., Mechanism of cathodic reduction of cobalt pyrophosphate complex, *Russian Journal of Applied Chemistry*, 85, 5, (2012), 736-741, (цитат 19), ISSN: 1070-4272.
41. Ved, M., Glushkova, M., Sakhnenko, N., Catalytic properties of binary and ternary alloys based on silver, *Functional Materials*, 20, 1, (2013), 87-91, (цитат 8), ISSN: 1616-301X.
42. Красиков, А. М. дисертация Электроосаждение сплава никель-вольфрам из пиррофосфатного электролита, <http://www.dissercat.com/content/elektroosazhdenie-splava-nikel-volfram-iz-pirofosfatnogo-elektrolita#ixzz33Ij59XTD>

Dobrovolska, Ts., Krastev, I., Jovic, V. D., Jovic, B. M., Beck, G., Lacnjevac, J., Zielonka, A., Phase identification in electrodeposited Ag-Cd alloys by ALSV and X-ray diffraction techniques, *Electrochimica Acta*, 56, 11, (2011) 4344-4350

43. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J Solid State Electrochem.*, 17, (2013), 467-479
44. Kaptay, G., The conversion of phase diagrams of solid solution type into electrochemical synthesis diagrams for binary metallic systems on inert cathodes, *Electrochimica Acta*, 60 (2012) 401– 409.

45. Jovičević, N., Cvetković, V.S., Kamberović, Z.J., Jovičević, J.N., Al-Cd alloy formation by aluminum underpotential deposition from $\text{AlCl}_3 + \text{NaCl}$ melts on cadmium substrate, *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, Volume 44, Issue 1, February 2013, Pages 106-114
46. С. Нинева, Електрохимично отлагане, структура и свойства на галванични покрития от сплав сребро-кобалт, Дисертация за присъждане на образователната и научна степен «доктор», специалност 01.01.05. Физикохимия, ИФХ «Ростислав Каишев», БАН, 2012.
47. López-Sauri D. A., Veleva, L. and Pérez, G. Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd Alloys Electrodeposition, *Int. J. Electrochem. Sci.*, 9 (2014) 1102 - 1116

Nineva, S., Dobrovolska, T., Krastev, I., Properties of electrodeposited silver-cobalt coatings, *J. Appl. Electrochem.* 41, (2011), 1397-1406

48. Bucko, M., Lačnjevac, U. and Bajat, J., The influence of substituted aromatic aldehydes on the electrodeposition of Zn-Mn alloy, *J. Serb. Chem. Soc.* 78 (10), (2013), 1569–1581
49. Ведъ, М. В., Глушкова, М. А., Сахненко, Н. Д., Фомина, Л. П., Корний, С. А., Особенности электроосаждения сплавов Ag-Co в импульсном режиме, *Гальванотехника и обработки поверхности*, 21,1, (2013), 4-30 .

Dobrovolska, T., Zabinski, P., Kowalik, R., Krastev, I., Zielonka, A., Oscillations and self-organization phenomena during electrodeposition of silver-indium alloy. Experimental study, *Archives of Metallurgy and Materials*, 56 (2011) 645-659

50. Bozzini, B., Laccitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 2), ISSN:1432-8488.
51. Laccitignola, D., Bozzini, B., & Sgura, I. (2014). Spatio-Temporal Organization in a Morphochemical Electrodeposition Model: Analysis and Numerical Simulation of Spiral Waves. *Acta Applicandae Mathematicae*, 1-13.

Krastev, I., Dobrovolska, T., Lačnjevac, U., Nineva, S., Pattern formation during electrodeposition of indium-cobalt alloy, *J Solid State Electrochem* 16, (2012), 3449–3456

52. Bozzini, B., Laccitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J Solid State Electrochem.*, 17, (2013), 467-479, (цитат 1), ISSN:1432-8488.
53. Microstructure and Interfacial Reactions of Bi-25In-18Sn, Дисертация на Cheng-Ting Chen, Тайван. Цитат 41 в текста, <http://www.cetd.com.tw/ec/thesisdetail.aspx?etdun=U0001-2907200815455700>

Dobrovolska, T., López-Sauri, DA, Veleva, L., Krastev, I., Oscillations and spatio-temporal structures during electrodeposition of AgCd alloys, *Electrochim Acta* 79, 162–169 (2012),

54. Bozzini, B., Lacitignola, D., Sgura, I., Spatio-temporal organization in alloy electrodeposition: a morphochemical mathematical model and its experimental validation, *J SolidStateElectrochem.*, 17, (2013), 467-479, (цитат 25), ISSN:1432-8488.

Nineva, S., Dobrovolska, Ts., and Krastev, I., Electrodeposition of In-Sb, In-Co and Sb-Co alloys, *Zastita Materijala* ЛП-2 (2011) 80-84

55. Golgovici, F., Mares, M. L., and Cojocaru, A. (2014). Electro-deposition of Cobalt and Cobalt-Antimony from Non-Aqueous Media Containing Ethylene Glycol. *REVISTA DE CHIMIE*, 65(1), 98-104.