

## **СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ И УЧЕБНИ ПОМАГАЛА**

### **В СПИСАНИЯ**

#### **С импакт фактор**

C1 Biserka Lucheva, Tsonio Tsonev, and **Peter Iliev**, Recycling of Lead Solder Dross, Generated from PCB Manufacturing, JOM Vol. 63 No. 8, 2011, pp.16-21.

C2 Stefanova, V., Shentov, D. Mihailova, I., **Iliev, P.**, Investigation of the phase composition of accretions formed into WHB under flash smelting of copper concentrate, Russian Journal of Non-Ferrous Metals, Volume 53, Issue 1, February 2012, pp. 26-32.

C3 K.Draganova, V.Stefanova, **P. Iliev**, Analytical study of the process sulphuric acid dissolution of Waelz-clinker with Eh-pH diagrams, Bul. Chem. Com.vol.45 Special Edition A, 2013, pp.82-87.

C4 B.I. Lucheva and **P. K. Iliev**, Combined hydrometallurgy–flotation scheme for Waelz clinker processing, Russian Journal of Non-Ferrous Metals, No4, 2014, pp. 303-308.

C5 B. I. Lucheva, **P. K. Iliev**, V. P. Stefanova, Recovery of silver from zinc cakes, Bul. Chem. Com., Vol.47, Special issue A, 2015, pp.112-117.

C6 **P. Iliev**, V. Stefanova, B. Lucheva, Sulfuric acid autoclave dissolution of Ni-Co sulfide deposit, Bul. Chem. Com., Vol.47, Special issue A, 2015, pp.106-111.

C7 L.Stamenov, V. Stefanova, K.Petkov, **P.Iliev**, Treatment of ferric sulfate waste solutions for the production of ammonium ferric sulfate dodecahydrate, Russian Journal of Applied Chemistry, 2016 (Под печат).

#### **Без импакт фактор**

C8 Stefanova, **P. Iliev**, W. Mroz, Copper (II) Extraction from Multicomponent Sulphuric Acid Solutions by Means of LIX84I, Journal UCTM, 45, 1, 2010, pp.99-104.

C9 B. Lucheva, **P. Iliev**, K. Draganova, V. Stefanova, Recovery of Copper and Silver from Waelz-clincer wasted from Zinc Production, J. Chem. Technol. Metall., 49, 1, 2014, pp.12-15.

C10 K. Draganova, V. Stefanova, **P. Iliev**, B. Lucheva, Analytical study of the Wealz-clincer dissolution in  $\text{NH}_3\text{-}(\text{NH}_4)_2\text{SO}_4$  system, J. Univ. Chem. Technol. Metall., 49. 1, 2014, pp.16-22.

C11 **P. Iliev**, V. Stefanova, D. Shentov, B. Lucheva, Thermodynamic analysis of the sulphatization processes taking place in dust-gas flow from flash smelting furnace, J. Univ. Chem. Technol. Metall., vol. 51, 3, 2016, pp. 335-340.

C12 Konstantin Petkov, Vladislava Stefanova, Lachezar Stamenov, Petar Iliev, An analytical study of the neutralization process of solutions with high concentration of fe(iii) ions, J. Chem. Technol. Metall., (Под печат).

C13 P. Iliev, V. Stefanova, B. Lucheva, D. Kolev, Selective autoclave recovery of copper and silver from waelz clinker in ammonia medium, J. Chem. Technol. Metall., (Под печат).

C14 L.Stamenov, V. Stefanova, K.Petkov, P.Iliev, Study of the crystallization process of ferric sulfate hydrate from a rich of fe(iii) waste solutions, J. Chem. Technol. Metall., (Под печат).

C15 P. Iliev, V. Stefanova, B. Lucheva, D. Kolev, Purification of zinc containing waelz oxides from chlorine and fluorine, J. Chem. Technol. Metall., (Под печат).

C16 Konstantin Petkov, Vladislava Stefanova, Lachezar Stamenov, Petar Iliev, A study of the partial neutralization process of solutions obtained during autoclave dissolution of pyrite concentrate, J. Chem. Technol. Metall., (Под печат).

C17 Biserka Lucheva, Peter Iliev, Dimitar Kolev, Recovery of gold from electronic waste by iodine-iodide leaching, J. Chem. Technol. Metall., (Под печат).

C18 Biserka Lucheva, Peter Iliev, Dimitar Kolev, Hydro-pyrometallurgical treatment of copper converter flue dust, J. Chem. Technol. Metall., (Под печат).

## **В НАУЧНИ ИЗДАНИЯ**

### **ДОКЛАДИ ОТ КОНФЕРЕНЦИИ, ПУБЛИКУВАНИ В ПЪЛЕН ТЕКСТ С РЕЦЕНЗЕНТИ**

D1 V. Stefanova, **P. Iliev**, B. Stefanov. A choice of the technological variant for dissolution of Fe-Cu-Ni-Co-Mn alloy in sulphuric acid, X-th National Conference on Metallurgy, May 28-31, 2007, Varna, Bulgaria.

D2 V. Stefanova, **P. Iliev**, B. Stefanov, A. Avramov, Selective Dissolution of FeCuNiCoMn Alloy Obtained after Pyrometallurgical Processing of Manganese Nodules, Proceedings of ISOPE Ocean Mining Symposium – 2009, Chennai India, 20-24 September 2009, pp. 186-190.

D3 **Петър Илиев**, Владислава Стефанова, Бисерка Лучева, Течнофазна екстракция на мед от разтвори, получени при преработване на полиметални конкреции, , Годишник на Минно-геоложки Университет „Св. Иван Рилски”, том 53, св.II, Добив и преработка на минерални сировини, 2010, София, с. 167-172.

D4 Бисерка Лучева, Цоньо Цонев, **Петър Илиев**, Рециклиране на оловно-калаени дроси с бор-съдържащи вещества, Годишник на Минно-геоложки Университет „Св. Иван Рилски”, том 53, св.II, Добив и преработка на минерални сировини, 2010, София, с.162-166.

D5 **P.Iliev**, V. Stefanova, B. Lucheva, A. Tzonevski, Selective extraction of cobalt from Nickel Sulphate solutions by CYANEX 272, 21<sup>th</sup> Anniversary International Conference on Metallurgy and Materials, ISBN 978-80-87294-31-4, Conference proceedings Metal 2012, May 23-25, 2012, Brno, Czech Republic, pp. 1567-1573.

D6 V. P. Stefanova, **P. K. Iliev**, B. S. Stefanov, Copper, Nickel and Cobalt Extraction from FeCuNiCoMn Alloy Obtained after Pyrometallurgical Processing of Deep Sea Nodules, Proceedings of the Tenth (2013) ISOPE Ocean Mining and Gas Hydrates Symposium, Szczecin, Poland, September 22-26, 2013, pp. 180-184.

D7 K. Draganova, V. Stefanova, B. Lucheva, **P.Iliev**, Sulphuric Acid Dissolution of Waelz Ciner Waste in the Presence of Sodium Sulphite Reducer, The 45<sup>th</sup> International October Conference on Mining and Metallurgy, Proceed. 16-19 October 2013, Bor Lake, Bor (Serbia),

pp. 694-697. ISBN 978-86-6305-012-9, Eds. Nada Strbac, Dragana Zivkovic, Svetlana Nestorivic

D8 V.Stefanova, E.Mehmed, **P.Iliev**, B.Lucheva, Effect of Cobalt and Antimony on Zinc Electrowinning using Sulfate Solutions, Proceedings of the Chemical Engineering and Chemical Technologies Conference Chemtech'2014, (Ed.Ozgur Ozturk), 23-25 October 2014, Yildiz Technical University, Istanbul, Turkey, 267-278.

#### **ДОКЛАДИ ОТ КОНФЕРЕНЦИИ С ПУБЛИКУВАНИ РЕЗЮМЕТА**

D9 **P.Iliev**, V.Stefanova, B. Lucheva, Sulphuric acid autoclave dissolution of Ni-Co sulphide deposit, Seventh National Conference on Chemistry, International Conference on Green Technologies and Environmental Protection, 26-29 May 2011, Sofia, Bulgaria.

D10 B.Lucheva, **P.Iliev**, Recovery of Platinum from spent SiC-DPFs, Seventh National Conference on Chemistry, International Conference on Green Technologies and Environmental Protection, 26-29 May 2011, Sofia, Bulgaria.

D11 K. Draganova, V. Stefanova, **P. Iliev**, Analytical Study of the Process Sulphuric Acid Dissolution of Waeltz-clinker, Sofia Electrochemical Days, 2012, 10-13 December, 2012, Sofia, Bulgaria.

D12 **P.Iliev**, V.Stefanova, K. Draganova, Model Investigation of the Equilibrium Composition of the FeCuNiCoMn System at Sulphuric Acid Dissolution of Polymetallic Alloy by means of Eh-pH Diagrams, Sofia Electrochemical Days, 2012, 10-13 December, 2012, Sofia, Bulgaria.

D13 **П. Илиев**, В. Стефанова, К. Драганова, Автоклавно разтваряне на FeCuNiCoMn сплав получена след пирометалургично преработване на мanganови конкреции, Втори научен семинар за млади учени и докторанти, 9-11 Април 2013,ИФХ при БАН, София, България.

D14 К. Драганова, В. Стефанова, **П. Илиев**, Аналитично изследване на процеса на разтваряне на Велц-клинкер в системата  $\text{NH}_3\text{-}(\text{NH}_4)_2\text{SO}_4$ , Втори научен семинар за млади учени и докторанти, 9-11 Април 2013,ИФХ при БАН, София, България.

#### **УЧЕБНИ ПОМАГАЛА**

1. Бисерка Лучева и **Петър Илиев**, Ръководство за упражнения по металургия на цветните метали, 2014.

## **СПИСЪК НА ЦИТАТИТЕ**

**V.Stefanova, P.Iliev, B.Stefanov, A.Avramov, Selective Dissolution of FeCuNiCoMn Alloy Obtained after Pyrometallurgical Processing of Manganese Nodules, Proceedings of ISOPE Ocean Mining Symposium – 2009, Chennai India, 20-24 September 2009, pp. 186-190.**

1. Simone Martino, Lindsay M. Parson, Nodules and Crust Economics: Relationship Between Cobalt and Nickel Price, Proceedings of the Ninth (2011) ISOPE Ocean Mining Symposium, Maui, Hawaii, USA, June 19-24, 2011, pp. 2013 - 220.

2. Gerd Schriever and Hjalmar Thiel, Tailings and their Disposal in Deep-Sea Mining, Proceedings of the Tenth (2013) ISOPE Ocean Mining and Gas Hydrates Symposium, Szczecin, Poland, September 22-26, 2013, pp. 5 - 17.

**V. Stefanova, P. Iliev, W. Mroz, Copper (II) Extraction from Multicomponent Sulphuric Acid Solutions by Means of LIX84I, Journal UCTM, 45, 1, 2010, pp.99-104.**

1. Khawassek Y.M., Cheira M.F., Mahmoud G.M. Studies on the Extraction of Copper (II) by Pyrazoloquinazolinone Derivatives from Aqueous Solutions, June 2012 Res.J.Chem.Sci., vol. 2, 6, pp. 30-37.

2. G. Barik , K. C. Nathsarm, K. Sarangi, Recovery of Copper from a Waste Heat Boiler Dust Leach Liquor using LIX 84I and LIX 622N, Solvent Extraction and Ion Exchange, 2013, vol.31, 2, pp.198-209.

3. A. Baba, K. Ayinla, F. Adekola, M. Ghosh, P. Rout, A. Ambo, Extraction and purification of copper from Nigerian chalcopyrite ore leach liquor by dithizone in kerosene, Solvent Extraction research and development, Japan, 2015, vol. 22, 2, pp. 135-146.

**Biserka Lucheva, Tsonio Tsonev, and Peter Iliev, Recycling of Lead Solder Dross, Generated from PCB Manufacturing, JOM Vol. 63 No. 8, 2011, pp.16-21.**

1. Chulwoong Han, Young-Min Kim, Seong Ho Son, Hanshin Choi, Tae Bum Kim, Yong Hwan Kim, Recovery of valuable metals in tin-based anodic slimes by carbothermic reaction, Archives of Metallurgy and Materials, 2015, vol.60, 2, pp. 1213-1216.

2. Ismail S.A., Jamil N. H., Kamarudin H., Salleh M.A.A.M., Tin (Sn) recovery from wave soldering free solder dross via hydrochloric acid leaching and combustion treatment, Materials Science Forum, 2016, vol. 857, pp. 535-539.