

Technická univerzita v Košiciach
Prehľad publikačnej činnosti vrátane ohlasov
Autor: ORÁČ, Dušan
Dátum generovania výstupu: 7.7.2022, 9:37:39

Záznamy v kategóriách do 31.1.2022

Skupina A2 (do 31.1.2022) - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, CAA, CAB, EAI, EAJ, FAI)

Počet záznamov: 9

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

BCI - Skriptá a učebné texty (4)

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (4)

Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)

Počet záznamov: 13

ADC - Vedecké práce v zahraničných karentovaných časopisoch (7)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (6)

Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)

Počet záznamov: 78

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (7)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (8)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (2)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (10)

AFD - Publikované príspevky na domácich vedeckých konferenciách (34)

AFG - Abstrakty príspevkov zo zahraničných konferencií (2)

AFH - Abstrakty príspevkov z domácich konferencií (1)

BBB - Kapitoly v odborných monografiách vydané v domácich vydavateľstvách (2)

BDF - Odborné práce v domácich nekarentovaných časopisoch (1)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (6)

BFB - Abstrakty odborných prác z domácich podujatí (konferencie...) (4)

Záznamy v kategóriách od 1.2.2022

Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)

Počet záznamov: 6

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (4)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (2)

Skupina O - Odborný výstup publikačnej činnosti (O1, O2, O3)

Počet záznamov: 1

O2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Odborný (1)

Počet záznamov spolu: 107

Menný zoznam publikácií:

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)

ACB001 [300900] **Ušľachtil  kovy** / Dušan Or  , Jakub Klimko, Pavol Liptai - 1. vyd. - Košice : Technick  univerzita v Košiciach - 2021. - 248 s. [10AH] [print]. - ISBN 978-80-553-3971-9. [OR  , Dušan (34%) - KLIMKO, Jakub (33%) - LIPTAI, Pavol (33%)]

ADC - Vedeck  pr ce v zahrani n ch karentovaných  asopisoch(7)

ADC001 [100151] **Leaching of copper and tin from used printed circuit boards after thermal treatment** / T. Havlik ... [et al.] - 2010.In: Journal of hazardous materials. Vol. 183, no. 1-3 (2010), p. 866-873. - ISSN 0304-3894 Sp sob pr stupu:
http://www.sciencedirect.com/science?_ob=PublicationURL&_cdi=5253&_pubType=&_auth=y&_acct=C00061502&_version=1&_urlVersion=0&_userid=3838213&md5=cc2c7ede5ea1a8b767c70da027f97071&_chunk=183#183.

[HAVL K, Tom š (17%) - OR  , Dušan (17%) - PETR NIKOV , Martina (17%) - MIŠKUFOV , Andrea (17%) - KUKURUGYA, František (16%) - TAK  OV , Zita (16%)]

Ohlasy:

2011 [1] TUNCUK, A. et al. Aqueous metal recovery techniques from e-scrap: Hydrometallurgy in recycling In: Minerals engineering Vol. 25, no. 1 (2011), p. 28-37 ISSN: 0892-6875 DB: Scopus

2011 [1] KASPER, A.C. et al. Printed wiring boards for mobile phones : Characterization and recycling of copper In: Waste management Vol. 31, no. 12 (2011), p. 2536-2545 ISSN: 0956-053X DB: Scopus

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Doi:10.1016/j.wasman.2011.08.013

[WOS:000297485700019] [NEIMPORTOVAN  V CREP  ]

2012 [1] FLANDINET, L. Metals recovering from waste printed circuit boards (WPCBs) using molten salts In: Journal of Hazardous Materials Vol. 213-214, no. April (2012), p.485-490 ISSN: 0304-3894 DB: Scopus

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2012 [3] JADHAV, U.U., HOCHENG, H. A review of recovery of metals from industrial waste In: Journal of Achievements in Materials and Manufacturing Engineering Vol. 54, no. 2 (2012), p. 159-167 ISSN: 1734-8412

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2012 [1] BAZARGAN, A., LAM, K.F., McKAY, G. Challenges and opportunities of e-waste management In: E-Waste: Management, Types and Challenges P. 39-66 ISBN: 978-161942217-9 DB: Scopus

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[WOS:000298779800004] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000313075200019]

2013 [1] XIU, F.-R., QI, Y., ZHANG, F.-S. Recovery of metals from waste printed circuit boards by supercritical water pre-treatment combined with acid leaching process In: Waste management Vol. 33, no. 5 (2013), p. 1251-1257 ISSN: 0956-053X DB: Scopus
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[WOS:000215657400002] [NEIMPORTOVANÉ V CREPČ]

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two-stage leaching in HNO₃ and HCL In: Current Nanoscience Vol. 10, no. 1 (2014), p. 104-107 ISSN: 1573-4137 DB: Scopus
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[WOS:000368207500120] [NEIMPORTOVANÉ V CREPČ]

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2017 [01] Recovery of Tantalum from Waste Tantalum Capacitors by Supercritical Water Treatment In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING vol.5, no.5 (2017) p.4421-4428 ISSN:2168-0485
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[WOS:000400634900096] [NEIMPORTOVANÉ V CREPČ]

2017 [01] Delamination mechanism study of large size waste printed circuit boards by using dimethylacetamide In: WASTE MANAGEMENT vol.65, (2017) p.139-146 ISSN:0956-053X
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[WOS:000404490000015] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000406157600004] [NEIMPORTOVANÉ V CREPČ]

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eISSN:1879-0658 Doi:10.1016/j.resconrec.2017.08.001
[WOS:000411298400026] [NEIMPORTOVANÉ V CREPČ]

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- 2017 [01] Recovery of tin from metal powders of waste printed circuit boards In: WASTE MANAGEMENT vol.68, (2017) p.449-457 ISSN:0956-053X Doi:10.1016/j.wasman.2017.06.019 [WOS:000413126300045] [NEIMPORTOVANÉ V CREPČ]
- 2017 [01] Recycling Tin from Electronic Waste: A Problem That Needs More Attention In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING vol.5, no.11 (2017) p.9586-9598 ISSN:2168-0485 Doi:10.1021/acssuschemeng.7b02903 [WOS:000414825900006] [NEIMPORTOVANÉ V CREPČ]
- 2018 [1] MENG, Long et al. Supergravity separation for recovering Pb and Sn from electronic waste In: Separation and Purification Technology Vol. 191 (2018), p. 375-383 ISSN: 1383-5866 DB: WOS [WOS:000417664900043]
- 2018 [1] BOXALL, N.J. et al. Multistage leaching of metals from spent lithium ion battery waste using electrochemically generated acidic lixiviant In: Waste Management Vol. 74 (2018), p. 435-445 ISSN: 0956-053X DB: WOS [WOS:000428492200044]
- 2018 [1] LONG , Meng et al. Low-temperature melting and centrifugation of lead and tin from metal-rich particles of crushed waste printed circuit boards In: Chemical Engineering Processing - Process Intensification Vol. 130 (2018), p. 192-200 ISSN: 0255-2701 DB: Scopus [WOS:000441645000022]
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[KLIMKO, Jakub (50%) - ORÁČ, Dušan (25%) - MIŠKUFOVÁ, Andrea (15%) - CLAUDIA, Vonderstein (1%) - DERTMANN, Christian (1%) - SOMMERFELD, Marcus (1%) - FRIEDRICH, Bernd (1%) - HAVLÍK, Tomáš (6%)]

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2021 [01] New Science Based Concepts for Increased Efficiency in Battery Recycling In: METALS vol.11, no.4 (2021) eISSN:2075-4701 Doi:10.3390/met11040533 [WOS:000643280800001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] Synthesis and Electrochemical Properties of TiNb₂O₇ and Ti₂Nb₁₀O₂₉ Anodes under Various Annealing Atmospheres In: METALS vol.11, no.6 (2021) eISSN:2075-4701

Doi:10.3390/met11060983
[WOS:000666071300001] [NEIMPORTOVANÉ V CREPČ]

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Doi:10.1016/j.tca.2021.178977
[WOS:000675561600004] [NEIMPORTOVANÉ V CREPČ]

2021 [01] Worth from Waste: Utilizing a Graphite-Rich Fraction from Spent Lithium-Ion Batteries as Alternative Reductant in Nickel Slag Cleaning In: MINERALS vol.11, no.7 (2021) eISSN:2075-163X
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[WOS:000676206900001] [NEIMPORTOVANÉ V CREPČ]

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(7)

ADE001 [105521] **Lúhovanie cínu a medi z dosiek plošných spojov v kyseline chlorovodíkovej** / Dušan Oráč ... [et al.] - 2010.In: Waste Forum. Vol. 2010, no. 4 (2010), p. 276-282. - ISSN 1804-0195
Spôsob prístupu: <http://www.wasteforum.cz/>.
[ORÁČ, Dušan (25%) - KUKURUGYA, František (25%) - TAKÁČOVÁ, Zita (25%) - HAVLÍK, Tomáš (25%)]

ADE002 [105524] **Centrum spracovania odpadov a jeho aktivity** / Tomáš Havlík, Dušan Oráč, Andrea Miškufová - 2010.In: Waste Forum. Vol. 2010, no. 4 (2010), p. 413-416. - ISSN 1804-0195
[HAVLÍK, Tomáš (34%) - ORÁČ, Dušan (33%) - MIŠKUFOVÁ, Andrea (33%)]

ADE003 [110289] **Leaching of tin and copper from used print circuit boards in hydrochloric acid** / Dušan Oráč ... [et al.] - 2011.In: Metall. Vol. 65, no. 5 (2011), p. 211-217. - ISSN 0026-0746
[ORÁČ, Dušan (39%) - HAVLÍK, Tomáš (20%) - KUKURUGYA, František (20%) - MIŠKUFOVÁ, Andrea (1%) - TAKÁČOVÁ, Zita (20%)]

ADE004 [118841] **Acidic leaching of EAF steelmaking dust** / Tomáš Havlík ... [et al.] - 2012.In: World of metallurgy - Erzmetall. Vol. 65, no. 1 (2012), p. 48-56. - ISSN 1613-2394
[HAVLÍK, Tomáš (25%) - KUKURUGYA, František (25%) - ORÁČ, Dušan (25%) - PARILÁK, Ľudovít (25%)]

Ohlasy:

2013 [4] JALKANEN, Heikki - NURMI, S., LOUHENKILPI, Seppo Thermodynamic approach to the removal of zinc from steelmaking dusts In: Waste - Secondary Raw Materials 5 : 5th international conference : 04-07 June 2013, Liptovsky Jan, Slovak Republic S. 86-94 ISBN: 978-80-8143-094-7

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ISBN: 978-808729454-3 DB: Scopus

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ISSN: 1996-918X

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2021 [1] KALPAKLI, Ahmet Orkun et al. Recovery of Zn as ZnO from Steelmaking Waste Materials by Mechanochemical Leaching, Solvent Extraction, Precipitation, and Thermal Decomposition Route In: Journal of Sustainable Metallurgy Vol. 7, no. 1 (2021), p. 277-290 ISSN: 2199-3823 DB: WOS

ADE005 [122924] **Leaching of zinc and iron from blast furnace dust in sulfuric acid solutions** / T. Havlík ... [et al.] - 2012. In: Metall. Vol. 66, no. 6 (2012), p. 267-270. - ISSN 0026-0746 [HAVLÍK, Tomáš (17%) - KUKURUGYA, František (17%) - ORÁČ, Dušan (17%) - VINDT, Tomáš (17%) - MIŠKUFOVÁ, Andrea (16%) - TAKÁČOVÁ, Zita (16%)]

Ohlasy:

2013 [1] STEER, J.M., GRIFFITHS, A.J. Investigation of carboxylic acids and non-aqueous solvents for the selective leaching of zinc from blast furnace dust slurry In: Hydrometallurgy Vol. 140 (2013), p. 34-41 ISSN: 0304-386X DB: Scopus

2017 [1] LAUBERTO VÁ, M., PIROŠKOVÁ, J., DOCIOVÁ, S. The technology of lead production from waste In: World of Metallurgy - ERZMETALL Vol. 70, no. 1 (2017), p. 47-54 ISSN: 1613-2394 DB: Scopus

ADE006 [177089] **The possibilities of precious metals recovery from used printed circuit boards - review** / Z. Takáčová, D. Oráč, T. Havlík - 2016. In: Metall. Vol. 70, no. 10 (2016), p. 403-407. - ISSN 0026-0746 [TAKÁČOVÁ, Zita (60%) - ORÁČ, Dušan (20%) - HAVLÍK, Tomáš (20%)]

ADE007 [215260] **Získavanie striebra z elektroodpadu** / Matúš Szabó ... [et al.] - 2019. In: Strojárska technológia : časopis pro vědu, výzkum a výrobu. - Ústí nad Labem (Česko) : Fakulta výrobních technologií a managementu Roč. 23, č. 1-2 (2019), s. 48-53 [print]. - ISSN 1211-4162 [SZABÓ, Matúš (60%) - ORÁČ, Dušan (15%) - TRPČEVSKÁ, Jarmila (15%) - LAUBERTO VÁ, Martina (10%)]

ADF - Vedecké práce v domácich nekarentovaných časopisoch(8)

ADF001 [51113] **Hydrometalurgické spracovanie úletov elektrickej oblúkovej pece Železiarne Podbrezová, a.s., Slovensko** / Z. Sedláková, D. Oráč, T. Havlík - 2006.In: Acta Metallurgica Slovaca. Roč. 12, č. 1 (2006), s. 338-345. - ISSN 1335-1532
[SEDLÁKOVÁ, Zuzana (34%) - ORÁČ, Dušan (33%) - HAVLÍK, Tomáš (33%)]

ADF002 [72061] **Hydrometallurgical treatment of printed circuit boards from used computers** / D. Oráč, F. Kukurugya, T. Havlík - 2008.In: Acta Metallurgica Slovaca. Roč. 14, mimoriadne č. 1 (2008), s. 212-217. - ISSN 1335-1532
[ORÁČ, Dušan (34%) - KUKURUGYA, František (33%) - HAVLÍK, Tomáš (33%)]

ADF003 [94192] **Leaching of zinc and copper from blast furnace dust of copper production of secondary raw materials** / D. Orac ... [et al.] - 2009.In: Acta Metallurgica Slovaca. Roč. 15, č. 3 (2009), s. 147-153. - ISSN 1335-1532
[ORÁČ, Dušan (20%) - HLUCHÁŇOVÁ, Blanka (20%) - HAVLÍK, Tomáš (20%) - MIŠKUFOVÁ, Andrea (20%) - PETRÁNIKOVÁ, Martina (20%)]

ADF004 [109065] **Leaching of basic oxygen furnace sludge with sulphuric acid** / Zuzana Hoang -Trung ... [et al.] - 2010.In: Acta Montanistica Slovaca. Roč. 15, č. 3 (2010), s. 200-203. - ISSN 1335-1788 Spôsob prístupu: http://actamont.tuke.sk/pdf/2010/n3/04_Havlik.pdf.
[HOANG-TRUNG, Zuzana (20%) - KUKURUGYA, František (20%) - TAKÁČOVÁ, Zita (12%) - ORÁČ, Dušan (12%) - LAUBERTO VÁ, Martina (12%) - MIŠKUFOVÁ, Andrea (12%) - HAVLÍK, Tomáš (12%)]

Ohlasy:

2013 [4] JALKANEN, Heikki, NURMI, S., LOUNHENKILPI, Seppo Thermodynamic approach to the removal of zinc from steelmaking dusts In: Waste - secondary raw materials 5 : international conference : 4.-7. June 2013, Liptovský Ján, Slovensko S. 86-94 ISBN: 978-80-8143-094-7

2015 [1] KODUKULA, Udaya bhaskar, ANDRÉE, Marcelo w., AMARIEI, Daniel Studies on multi-gravity separator for iron enrichment and zinc rejection from the BOF sludge In: AISTech - Iron and Steel Technology Conference Proceedings : 7th International Conference on the Science and Technology of Ironmaking : ICSTI 2015 : Cleveland, United States : 4-7 May 2015 Vol. 2 (2015), p. 1774-1784 ISSN: 1551-6997 ISBN: 978-193511747-6 DB: Scopus

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[WOS:000403854100034]

2020 [1] RODRIGUEZ, Nerea et al. Selective Removal of Zinc from BOF Sludge by Leaching with Mixtures of Ammonia and Ammonium Carbonate In: Journal Of Sustainable Metallurgy Vol. 6, no. 4 (2020), p. 680-690 ISSN: 2199-3823 DB: WOS
[WOS:000587930200002]

2020 [1] KOEN, Binnemans et al. Hydrometallurgical Processes for the Recovery of Metals from Steel Industry By-Products: A Critical Review In: Journal Of Sustainable Metallurgy Vol. 6, no. 4 (2020), p. 505-540 ISSN: 2199-3823 DB: WOS
[WOS:000589483800001]

ADF005 [119937] **Získavanie medi z odpadových dosiek plošných spojov** / Vladimír Pencák ... [et al.] - 2010.In: Acta Facultatis Ecologiae. Roč.23 (2010), s. 31-35. - ISSN 1336-300X
[PENCÁK, Vladimír (60%) - PEHKONEN, Antero (10%) - HAVLÍK, Tomáš (15%) - ORÁČ, Dušan (15%)]

ADF006 [169415] **Súčasný trendy v získavaní ušľachtilých kovov z vyradených dosiek plošných spojov** / Zita Takáčová, Dušan Oráč, Tomáš Havlík - 2016.In: Odpady. Roč. 16, č. 3 (2016), s. 5-11. - ISSN 1335-7808
[TAKÁČOVÁ, Zita (60%) - ORÁČ, Dušan (30%) - HAVLÍK, Tomáš (10%)]

ADF007 [207715] **Situácia v oblasti nakladania s viacvrstvovými kombinovanými materiálmi** / Jana Pirošková ... [et al.] - 2019.In: Odpady : odborný časopis pre podnikateľov, organizácie, štátnu správu a občanov. - Bratislava (Slovensko) : Epos Miroslav Mračko Roč. 19, č. 8 (2019), s. 11-15 [print]. - ISSN 1335-7808
[PIROŠKOVÁ, Jana (25%) - LAUBERTOVÁ, Martina (25%) - TRPČEVSKÁ, Jarmila (25%) - ORÁČ, Dušan (25%)]

ADF008 [301607] **Využitie prístrojov na meranie zvuku pri triedení materiálov - experiment** / Pavol Liptai ... [et al.] - 2021.In: Fyzikálne faktory prostredia = FFP : časopis o problematike fyzikálnych faktorov prostredia. - Košice (Slovensko) : IbSolve Roč. 11, č. 1 (2021), s. 23-26 [print]. - ISSN 1338-3922
[LIPTAI, Pavol (20%) - ORÁČ, Dušan (20%) - DOLNÍK, Bystrík (20%) - VINDT, Tomáš (20%) - KLIMKO, Jakub (20%)]

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(6)

ADM001 [164791] **Acidic leaching of copper and tin from used consumer equipment** / Dušan Oráč ... [et al.] - 2015.In: Journal of mining and Metallurgy: Section B: Metallurgy. Vol. 51, no. 2 (2015), p. 153-161. - ISSN 1450-5339 Spôsob prístupu:
<http://www.scopus.com/record/display.uri?eid=2-s2.0-84947905225&origin=resultslist&sort=plf-f&src=s&st1=ACIDIC+LEACHING+OF+COPPER+AND+TIN&st2=&sid=0E72C0EF81EB187C04B4B78FF488A428.euC1gMODexYIPkQec4u1Q%3a100&sort=b&sdt=b&sl=40&s=TITLE%28ACIDIC+LEACHING+OF+COPPER+AND+TIN%29&relpos=0&citeCnt=0&searchTerm=TITLE%28ACIDIC+LEACHING+OF+COPPER+AND+TIN%29>
[ORÁČ, Dušan (40%) - HAVLÍK, Tomáš (40%) - MAUL, A. (10%) - BERWANGER, M. (10%)]

Ohlasy:

2017 [01] EXPERIMENTAL AND THERMODYNAMIC DESCRIPTION OF TERNARY Bi-Cu-Ga SYSTEM In: JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY vol.53, no.3 (2017) p.189-201 ISSN:1450-5339 Doi:10.2298/JMMB170505017M
[WOS:000417723500005] [NEIMPORTOVANÉ V CREPČ]

2017 [01] Physical and chemical treatment of end of life panels: An integrated automatic approach viable for different photovoltaic technologies In: WASTE MANAGEMENT vol.59, (2017) p.422-431 ISSN:0956-053X Doi:10.1016/j.wasman.2016.11.011
[WOS:000390503000043] [NEIMPORTOVANÉ V CREPČ]

2018 [1] KAMBEROVIĆ, Ž. et al. Hydrometallurgical process for selective metals recovery from waste-printed circuit boards In: Metals Vol. 8, no. 6 (2018), art. no. 441 ISSN: 2075-4701 DB: Scopus
[WOS:000436115600069]

2018 [01] Chemical Treatment of Copper and Aluminum Derived from Waste Crystalline Silicon Solar Cell Modules by Mixed Acids of HNO₃ and HCl In: JOURNAL OF SUSTAINABLE METALLURGY vol.4, no.3 (2018) p.378-387 ISSN:2199-3823 eISSN:2199-3831 Doi:10.1007/s40831-018-0184-2
[WOS:000442659000007] [NEIMPORTOVANÉ V CREPČ]

2018 [01] Efficient In Situ Utilization of Caustic for Sequential Recovery and Separation of Sn, Fe, and Cu in Microbial Fuel Cells In: CHEMELECTROCHEM vol.5, no.13 (2018) p.1658-1669 ISSN:2196-0216 Doi:10.1002/celc.201800431
[WOS:000436934000006] [NEIMPORTOVANÉ V CREPČ]

2019 [3] VUKOVIĆ, Milovan V. - ŠTRBAC, Nada D., SOKIČ, Miroslav D. Luženje u kiselim rastvorima kao deo hidrometalurškog recikliranja bakra iz istrošenih štampanih ploča In: Tehnika Vol. 74, no. 6 (2019), p. 813-819 ISSN: 0040-2176

2019 [01] A loop of catholyte effluent feeding to bioanodes for complete recovery of Sn, Fe, and Cu with simultaneous treatment of the co-present organics in microbial fuel cells In: SCIENCE OF THE TOTAL ENVIRONMENT vol.651, (2019) p.1698-1708 ISSN:0048-9697 eISSN:1879-1026
Doi:10.1016/j.scitotenv.2018.10.089
[WOS:000450551600006] [NEIMPORTOVANÉ V CREPČ]

2020 [1] CHOWDHURY, Md Shahariar et al. An overview of solar photovoltaic panels' end-of-life material recycling In: Energy Strategy Reviews Vol. 27 (2020), art. no. UNSP 100431 ISSN: 2211-467X DB: WOS
[WOS:000512688000003]

ADM002 [181962] **Oxidative pressurized acid leaching of waste printed circuit boards** / Mari Lundström ... [et al.] - 2017. In: Physicochemical Problems of Mineral Processing. Vol. 53, no. 2 (2017), p. 781-792. - ISSN 1643-1049
[LUNDSTRÖM, Mari (20%) - SEISKO, Sipi (15%) - JAŠČIŠÁK, Ján (15%) - ORÁČ, Dušan (15%) - AROMAA, Jari (10%) - HAVLÍK, Tomáš (15%) - FORSÉN, Olof (10%)]

Ohlasy:

2020 [01] Recovery of metals from waste printed circuit boards by selective leaching combined with cyclone electrowinning process In: JOURNAL OF HAZARDOUS MATERIALS vol.384, (2020)
ISSN:0304-3894 eISSN:1873-3336 Doi:10.1016/j.jhazmat.2019.121355
[WOS:000508742700012] [NEIMPORTOVANÉ V CREPČ]

2020 [01] Sustainable development in the tinsplate industry: refining tinsplate leachate with cementation In: PHYSICO-CHEMICAL PROBLEMS OF MINERAL PROCESSING vol.56, no.1 (2020) p.219-227
ISSN:1643-1049 eISSN:2084-4735 Doi:10.5277/ppmp19099
[WOS:000505207500020] [NEIMPORTOVANÉ V CREPČ]

ADM003 [190271] **Hydrometallurgical treatment of copper shaft furnace dust for lead recovery** / Jana Pirošková ... [et al.] - 2018. In: Erzmetall. Vol. 71, no. 1 (2018), p. 37-42. - ISSN 1613-2394
[PIROŠKOVÁ, Jana (30%) - LAUBERTO VÁ, Martina (30%) - MIŠKUFOVÁ, Andrea (20%) - ORÁČ, Dušan (20%)]

ADM004 [203570] **Production of zinc oxide from hazardous waste - Sal Ammoniac Skimming** / Jana Pirošková ... [et al.] - 2018. In: Journal of Mining and Metallurgy : Section B Metallurgy. Roč. 54, č. 3 (2018), s. 377-384 [print]. - ISSN 1450-5339 Spôsob prístupu:
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85059556406&origin=resultslist&sort=plf-f&src=s&st1=Production+of+zinc+oxide+from+hazardous+waste+-+Sal+Ammoniac+Skimming&st2=&sid=6e44daa571e801a149ab84a772b312df&sot=b&sdt=b&sl=84&s=TITLE-ABS-KEY%28Production+of+zinc+oxide+from+hazardous+waste+-+Sal+Ammoniac+Skimming%29&relpos=0&citeCnt=0&searchTerm=>
[PIROŠKOVÁ, Jana (30%) - TRPČEVSKÁ, Jarmila (30%) - ORÁČ, Dušan (10%) - LAUBERTO VÁ, Martina (10%) - HORVÁTHOVÁ, Hedviga (10%) - HOLKOVÁ, Blanka (10%)]

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2021 [01] A Green Approach for Extraction of Ammonium Molybdate from Molybdenite Using Indigenous Resources In: POLISH JOURNAL OF ENVIRONMENTAL STUDIES vol.30, no.2 (2021) p.1771-1775 ISSN:1230-1485 eISSN:2083-5906 Doi:10.15244/pjoes/124113
[WOS:000644662800028] [NEIMPORTOVANÉ V CREPČ]

ADM005 [212392] **Sustainable development in the tinplate industry: refining tinplate leachate with cementation** / Jakub Klimko ... [et al.] - 2019.In: Physicochemical Problems of Mineral Processing. - Vroclav (Poľsko) : Politechnika Wroclawska Roč. 56, č. 1 (2019), s. 219-227 [print]. - ISSN 1643-1049 Spôsob prístupu:

<http://www.journalssystem.com/ppmp/Sustainable-development-in-the-tinplate-industry-refining-tinplate-leachate-with,115270,0,2.html>.

[KLIMKO, Jakub (30%) - URBAN KOBIALKOVÁ, Ivana (10%) - PIROŠKOVÁ, Jana (20%) - ORÁČ, Dušan (20%) - HAVLÍK, Tomáš (10%) - KLEIN, Dušan (10%)]

Ohlasy:

2021 [01] Hydrometallurgical Treatment of Converter Dust from Secondary Copper Production: A Study of the Lead Cementation from Acetate Solution In: MINERALS vol.11, no.12 (2021) eISSN:2075-163X Doi:10.3390/min11121326

[WOS:000736901700001] [NEIMPORTOVANÉ V CREPČ]

ADM006 [221111] **Characterization of dusts from secondary copper production** / Dušan Oráč ... [et al.] - 2020.In: Journal of Mining and Metallurgy : Section B Metallurgy. Roč. 56, č. 2 (2020), s. 221-228 [print]. - ISSN 1450-5339 Spôsob prístupu:

<http://www.jmmab.com/images/pdf/2020/2/1450-533920000110.pdf>.

[ORÁČ, Dušan (25%) - LAUBERTOVÁ, Martina (25%) - PIROŠKOVÁ, Jana (25%) - KLEIN, Dušan (15%) - BUREŠ, Radovan (5%) - KLIMKO, Jakub (5%)]

Ohlasy:

2021 [01] Hydrometallurgical Treatment of Converter Dust from Secondary Copper Production: A Study of the Lead Cementation from Acetate Solution In: MINERALS vol.11, no.12 (2021) eISSN:2075-163X Doi:10.3390/min11121326

[WOS:000736901700001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] Hydrometallurgical Recycling of Copper Anode Furnace Dust for a Complete Recovery of Metal Values In: METALS vol.12, no.1 (2022) eISSN:2075-4701 Doi:10.3390/met12010036

[WOS:000750578200001] [NEIMPORTOVANÉ V CREPČ]

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(1)

AEC001 [300957] **Industrial Recycling End-of-life Electric Vehicles Lithium-ion Batteries** / Tomáš Havlík, Andrea Miškufová, Dušan Oráč - 2021.In: Analysis of the state, forecasts and new technologies of waste recovery in the automotive industry. - Lüdenscheid (Nemecko) : RAM-Verlag s. 92-110 [print]. - ISBN 978-3-96595-008-5

[HAVLÍK, Tomáš (40%) - MIŠKUFOVÁ, Andrea (30%) - ORÁČ, Dušan (30%)]

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách(2)

AED001 [226210] **Možnosti spracovania trosiek z výroby medi** / Dušan Klein, Dušan Oráč - 2020.In: Metalurgia junior 2020 : zborník príspevkov. - Košice (Slovensko) : Technická univerzita v Košiciach s. 57-61 [online]. - ISBN 978-80-553-3560-5

[KLEIN, Dušan (70%) - ORÁČ, Dušan (30%)]

AED002 [226999] **Kinetické štúdium lúhovania trosky po spracovaní akumulátorov** / Jakub Klimko, Dušan Oráč - 2020.In: Metalurgia junior 2020 : zborník príspevkov. - Košice (Slovensko) : Technická univerzita v Košiciach s. 62-68 [online]. - ISBN 978-80-553-3560-5

[KLIMKO, Jakub (66%) - ORÁČ, Dušan (34%)]

AFC - Publikované príspevky na zahraničných vedeckých konferenciách(10)

AFC001 [77971] **The possibilities of the WEEE processing** / D. Oráč - 2006.In: 13. Internationaler Studententag der Metallurgie. - Leoben : ASMET, 2006 P. 297-301. - ISBN 3901384189 [ORÁČ, Dušan (100%)]

AFC002 [77053] **Using of eddy-current separation for recovery of aluminium from fine aluminium dross** / A. Miskufova ... [et al.] - 2008.In: Mineral resources and environment engineering : International Symposium : 24.-25.10.2008, Baia Mare. - Baia Mare : North University of Baia Mare, 2008 P. 1-8. - ISBN 9789731729749 [MIŠKUFOVÁ, Andrea - KUKURUGYA, František - ORÁČ, Dušan - HAVLÍK, Tomáš]

AFC003 [77057] **Recovery of alum from fine aluminium dross** / A. Miskufova ... [et al.] - 2008.In: Mineral resources and environment engineering : International Symposium : 24.-25.10.2008, Baia Mare. - Baia Mare : North University of Baia Mare, 2008 P. 1-8. - ISBN 978-973-1729-74-9 [MIŠKUFOVÁ, Andrea - BRIANČIN, Jaroslav - ORÁČ, Dušan - KUKURUGYA, František - HAVLÍK, Tomáš]

AFC004 [143873] **Hydrometallurgical treatment of used printed circuit boards after thermal treatment** / Tomáš Havlík ... [et al.] - 2009.In: Towards sustainable development : Assessing the footprint of resource utilization and hazardous waste management : Proceedings of : the 3rd International Conference : 7-9 September 2009, Athens, Greece. P. 164-169. [HAVLÍK, Tomáš (25%) - PETRÁNIKOVÁ, Martina (25%) - ORÁČ, Dušan (25%) - MIŠKUFOVÁ, Andrea (25%)]

AFC005 [85520] **Leaching of aluminium dross in alkaline solution** / A. Miskufova ... [et al.] - 2009.In: Emc 2009. Volume 4, Light Metals, Refractory Metals / Ferro Alloys. - Clausthal-Zellerfeld : GDMB, 2009 P. 1339-1350. - ISBN 9783940276209 [MIŠKUFOVÁ, Andrea (20%) - PETRÁNIKOVÁ, Martina (15%) - KOVÁCS, Michal (20%) - HAVLÍK, Tomáš (15%) - ORÁČ, Dušan (15%) - BRIANČIN, Jaroslav (15%)]

Ohlasy:

2013 [3] TSAKIRIDIS, P.E., OUSTADAKIS, P., AGATZINI-LEONARDOU, S. Aluminium recovery during black dross hydrothermal treatment In: Journal of Environmental Chemical Engineering Vol. 1, no. 1-2 (2013), p. 23-32 ISSN: 2213-3437

2013 [3] SULTANA, U.K. et al. Kinetics of Recovery of Alumina from Aluminium Casting Waste through Fusion with Sodium Hydroxide In: American Journal of Materials Engineering and Technology Vol. 1, no. 3 (2013), p. 30-34

2013 [3] PAULITSCH, Helmut, ANTREKOWITSCH, Helmut, PIRKER, Armin Recycling von Reststoffen aus der Aluminiumsekundärmetallurgie In: Berg- und Hüttenmännische Monatshefte Vol. 158, no. 3 (2013), p. 91-96 ISSN: 0005-8912

AFC006 [85522] **Hydrometallurgical treatment of printed circuit boards from used computers after pyrolytic treatment** / Martina Petranikova ... [et al.] - 2009.In: Emc 2009. Volume 1, Sustainable Development / Recycling, Hydrometallurgy. - Clausthal-Zellerfeld : GDMB, 2009 P. 161-172. - ISBN 9783940276179 [PETRÁNIKOVÁ, Martina (25%) - ORÁČ, Dušan (25%) - MIŠKUFOVÁ, Andrea (25%) - HAVLÍK, Tomáš (25%)]

Ohlasy:

2011 [1] KASPER, A.C. et al. Printed wiring boards for mobile phones : Characterization and recycling of copper In: Waste Management Vol. 31, no. 12 (2011), p. 2536-2545 ISSN: 0956-053X DB: 120692

2011 [1] KASPER, A.C. et al. Characterization and recovery of polymers from mobile phone scrap In:

Waste Management and Research Vol. 29, no. 7 (2011), p. 714-726 ISSN: 0734-242X DB: Scopus

AFC007 [97526] **The database of used portable batteries and accumulators and its application in recycling** / Frantisek Kukurugya ... [et al.] - 2010.In: 14th Conference on Environment and Mineral Processing : Part 2 : 3.-5.6.2010, VŠB-TU, Ostrava, Czech Republic. - Ostrava : VŠB-TU, 2010 P. 69-73. - ISBN 978-80-248-2209-9

[KUKURUGYA, František (20%) - TAKÁČOVÁ, Zita (20%) - PETRÁNIKOVÁ, Martina (15%) - ORÁČ, Dušan (15%) - MIŠKUFOVÁ, Andrea (15%) - HAVLÍK, Tomáš (15%)]

AFC008 [111187] **Chemical and structural characterization of steelmaking dust from stainless steel production** / F. Kukurugya ... [et al.] - 2011.In: Emc 2011 : European Metallurgical Conference : proceedings : volume 4 : process metallurgy, recycling, waste treatment and prevention : June 26-29, Düsseldorf, Germany. - Clausthal-Zellerfeld : GDMB, 2011 P. 1171-1183. - ISBN 978-3-940276-39-1 [KUKURUGYA, František (10%) - ORÁČ, Dušan (10%) - TAKÁČOVÁ, Zita (10%) - VINDT, Tomáš (10%) - MIŠKUFOVÁ, Andrea (10%) - HAVLÍK, Tomáš (10%) - KEKKI, Antti (10%) - AROMAA, Jari (10%) - FORSÉN, Olof (10%) - MAKKONEN, H. (10%)]

Ohlasy:

2016 [1] ALPATPVA, A. A., SIMONYAN, L. M., ISAKOVA, N.S. Dust formation in the arc heating of zinc-plated steel In: Steel in Translation Vol. 46, no. 5 (2016), p. 303-308 ISSN: 0967-0912 DB: Scopus

AFC009 [151123] **Hydrometallurgical recycling of copper and tin from used consumer equipment** / Dušan Oráč ... [et al.] - 2014.In: IOC 2014 : 46th International October Conference on Mining and Metallurgy : Proceedings : 01 - 04 October 2014, Bor, Serbia. - Bor : University of Belgrade - Technical faculty, 2014 S. 565-568. - ISBN 978-86-6305-026-6

[ORÁČ, Dušan (30%) - HAVLÍK, Tomáš (30%) - MAUL, Anja (20%) - BERWANGER, Mattias (20%)]

AFC010 [184107] **Using Cu²⁺ ion for copper leaching from printed circuit boards** / Dušan Oráč ... [et al.] - 2016.In: Mining and Metallurgy. - Bor : Technical Faculty, 2016 P. 216-219. - ISBN 978-86-6305-047-1

[ORÁČ, Dušan (40%) - KOBIALKOVÁ, Ivana (40%) - HAVLÍK, Tomáš (15%) - BAKSOVÁ, Vierošlava (5%)]

AFD - Publikované príspevky na domácich vedeckých konferenciách(34)

AFD001 [66732] **Hydrometalurgické spracovanie dosiek plošných spojov vyradených osobných počítačov** / Dušan Oráč ... [et al.] - 2007.In: Recyklace odpadů 11. 2.. - Ostrava : VŠB-TU, 2007 S. 133-137. - ISBN 9788024816760

[ORÁČ, Dušan - HOANG TRUNG, Zuzana - MIŠKUFOVÁ, Andrea - HAVLÍK, Tomáš]

AFD002 [83975] **Perspektívy získavania Ni a Co z použitých batérií na Slovensku** / A. Miškufová ... [et al.] - 2009.In: Recyklácia použitých prenosných batérií a akumulátorov : medzinárodná konferencia : Sklené Teplice, 21.-24.04.2009. - [Košice] : Equilibria, 2009 S. 120-132. - ISBN 9788089284276

[MIŠKUFOVÁ, Andrea (25%) - HAVLÍK, Tomáš (25%) - PETRÁNIKOVÁ, Martina (25%) - ORÁČ, Dušan (25%)]

Ohlasy:

2020 [3] ULUSOY, Ugur Review o f the Recovery of Cobalt from Secondary Resources In: Critical and Rare Earth Elements : Recovery from Secondary Resources P. 115-149 ISBN: 978-0-367-08647-3

AFD003 [83977] **Výskumné aktivity Katedry neželezných kovov a spracovania odpadov TUKE HF** /

D. Oráč, T. Havlík, A. Miškufová - 2009.In: Recyklácia použitých prenosných batérií a akumulátorov : medzinárodná konferencia : Sklené Teplice, 21.-24.4.2009. - [Košice] : Equilibria, 2009 S. 133-135. - ISBN 9788089284276

[ORÁČ, Dušan (40%) - HAVLÍK, Tomáš (30%) - MIŠKUFOVÁ, Andrea (30%)]

AFD004 [83979] **Súčasný trendy v recyklácii NiCd a NiMH akumulátorov** / D. Oráč ... [et al.] - 2009.In: Recyklácia použitých prenosných batérií a akumulátorov. - [Košice] : Equilibria, 2009 S. 136-142. - ISBN 9788089284276

[ORÁČ, Dušan (25%) - HAVLÍK, Tomáš (25%) - MIŠKUFOVÁ, Andrea (25%) - PETRÁNIKOVÁ, Martina (25%)]

Ohlasy:

2013 [4] VINDT, T., TAKÁČOVÁ, Z. Charakteristika zinkových prenosných batérií pred ich ďalším spracovaním In: Odpady Roč. 13, č. 3 (2013), s. 10-15 ISSN: 1335-7808

AFD005 [83981] **Súčasný trendy v recyklácii lítiových batérií a akumulátorov** / M. Petrániková ... [et al.] - 2009.In: Recyklácia použitých prenosných batérií a akumulátorov. - [Košice] : Equilibria, 2009 S. 143-154. - ISBN 9788089284276

[PETRÁNIKOVÁ, Martina (25%) - MIŠKUFOVÁ, Andrea (25%) - HAVLÍK, Tomáš (25%) - ORÁČ, Dušan (25%)]

Ohlasy:

2020 [3] ULUSOY, Ugur Review of the Recovery of Cobalt from Secondary Resources In: Critical and Rare Earth Elements : Recovery from Secondary Resources P. 115-150 ISBN: 978-0-367-08647-3

AFD006 [86864] **Získavanie cínu a medi z použitých dosiek plošných spojov hydrometalurgickým spôsobom** / Dušan Oráč, Tomáš Havlík - 2009.In: Metalurgia Junior 2009. - Košice : HF TU, 2009 S. 119-122. - ISBN 9788055302508

[ORÁČ, Dušan (50%) - HAVLÍK, Tomáš (50%)]

AFD007 [122392] **Hydrometallurgical treatment of printed circuit boards in hydrochloric acid with oxidant** / Dusan Orac ... [et al.] - 2012.In: Kammel 's Quo Vadis Hydrometallurgy 6 : 6th international conference : 04. - 07. June 2012, Herľany, Košice. - Košice : TU, 2012 S. 138-146. - ISBN 978-80-969886-4-8

[ORÁČ, Dušan (25%) - VRÁBLOVÁ, Nikola (25%) - URBAN, Miroslav (25%) - HAVLÍK, Tomáš (25%)]

AFD008 [131702] **The methods for material recycling of municipal solid waste components** / Andrea Miškufová ... [et al.] - 2012.In: Enviro-management 2012 : The proceedings of the 6th annual international experts' conference : 9. - 11. October, 2012, Štrbské Pleso, Slovakia. - Žilina : NMC spol. s.r.o., 2012 S. 1-12.

[MIŠKUFOVÁ, Andrea (20%) - HAVLÍK, Tomáš (20%) - TAKÁČOVÁ, Zita (20%) - ORÁČ, Dušan (20%) - PETRÁNIKOVÁ, Martina (20%)]

AFD009 [134635] **Možnosti spracovania spotrebnej elektroniky pomocou mechanickej, tepelnej predúpravy a lúhovania** / Dušan Oráč ... [et al.] - 2013.In: Waste - Secondary Raw Materials 5 : 5th International Conference : 04 - 07 June 2013, Liptovský Jan, Slovak Republic. - Košice : Equilibria, 2013 S. 208-216. - ISBN 978-80-8143-094-7

[ORÁČ, Dušan (25%) - HAVLÍK, Tomáš (25%) - MAUL, Anja (25%) - BERWANGER, Mattias (25%)]

AFD010 [147238] **Možnosti recyklácie priemyselných odpadov z výroby hliníka** / Andrea Miškufová ... [et al.] - 2014.In: TOP 2014 : Technika ochrany prostredia : Zborník prednášok : 20. medzinárodná konferencia : 10. - 12. jún 2014, Častá-Papiernička. - Bratislava : STU, 2014 S. 323-328. - ISBN 978-80-227-4174-3

[MIŠKUFOVÁ, Andrea (30%) - HAVLÍK, Tomáš (30%) - ORÁČ, Dušan (20%) - KUKURUGYA, František (20%)]

AFD011 [159796] **Materiálová recyklácia vyradených dosiek plošných spojov** / Tomáš Havlík ...[et al.]

- 2015.In: TOP 2015. - Bratislava : STU, 2015 S. 1-8. - ISBN 978-80-227-4376-1
[HAVLÍK, Tomáš (25%) - ORÁČ, Dušan (25%) - JAŠČIŠÁK, Ján (25%) - MIŠKUFOVÁ, Andrea (25%)]

AFD012 [185972] **Recovery of copper and tin from used printed circuit boards** / Tomáš Havlík ... [et al.] - 2016.In: Applied Mechanics and Materials vol. 832 : Engineering for Environment Protection. - Zürich : TTP, 2016 P. 39-46. - ISBN 978-3-0357-1015-1 - ISSN 1662-7482 Spôsob prístupu: <https://www.scientific.net/AMM.832.39>.
[HAVLÍK, Tomáš (20%) - ORÁČ, Dušan (20%) - JAŠČIŠÁK, Ján (20%) - MIŠKUFOVÁ, Andrea (20%) - HORVÁTHOVÁ, Hedviga (20%)]

AFD013 [181366] **Sampling and assaying of WEEE** / Martina Laubertová ... [et al.] - 2017.In: Quo Vadis Recycling 2017. - Košice : TU, 2017 S. 197-201. - ISBN 978-80-553-3170-6
[LAUBERTO VÁ, Martina (30%) - MALINDŽÁKOVÁ, Marcela (30%) - TRPČEVSKÁ, Jarmila (20%) - ORÁČ, Dušan (10%) - RUŽIČKOVÁ, Silvia (10%)]

AFD014 [181719] **Gold in personal computers** / Jakub Klimko ... [et al.] - 2017.In: Quo Vadis Recycling. - Košice : TU, 2017 S. 176-181. - ISBN 978-80-553-3170-6
[KLIMKO, Jakub (60%) - ORÁČ, Dušan (15%) - HAVLÍK, Tomáš (10%) - JAŠČIŠÁK, Ján (15%)]

AFD015 [181724] **Leaching of Tin Sludge in different solutions** / Ivana Urban Kobialková ... [et al.] - 2017.In: Quo Vadis Recycling. - Košice : TU, 2017 S. 342-349. - ISBN 978-80-553-3170-6
[URBAN KOBIALKOVÁ, Ivana (50%) - ORÁČ, Dušan (20%) - KLIMKO, Jakub (20%) - HAVLÍK, Tomáš (10%)]

AFD016 [181725] **Možnosti spracovania odpadov elektrochemickými procesmi** / Jakub Klimko, Dušan Oráč - 2017.In: Metalurgia Junior 2017. - Košice : TU, 2017 S. 55-58. - ISBN 978-80-553-3177-5
[KLIMKO, Jakub (50%) - ORÁČ, Dušan (50%)]

AFD017 [208302] **Treatment possibilities of gallium wastes from gallium production** / Róberta Slezáková, Dušan Oráč, Tomáš Havlík - 2017.In: Quo Vadis Recycling 2017. - Košice (Slovensko) : Technická univerzita v Košiciach s. 306-311 [print]. - ISBN 978-80-553-3170-6
[SLEZÁKOVÁ, Róberta (70%) - ORÁČ, Dušan (20%) - HAVLÍK, Tomáš (10%)]

AFD018 [191592] **Získavanie olova zo šachtových úletov vznikajúcich pri výrobe sekundárnej medi** / Martina Laubertová ... [et al.] - 2018.In: Materiálová recyklácia priemyselných odpadov. - Košice : Technická univerzita v Košiciach, 2018 S. 47-52. - ISBN 978-80-553-2951-2
[LAUBERTO VÁ, Martina (25%) - PIROŠKOVÁ, Jana (25%) - MIŠKUFOVÁ, Andrea (25%) - ORÁČ, Dušan (25%)]

AFD019 [192795] **Lúhovanie kovov z úletu z pyrometalurgickej rafinácie sekundárnej medi** / Dušan Klein ... [et al.] - 2018.In: Materiálová recyklácia priemyselných odpadov. - Košice : Technická univerzita v Košiciach, 2018 S. 35-40. - ISBN 978-80-553-2951-2
[KLEIN, Dušan (40%) - ORÁČ, Dušan (30%) - PIROŠKOVÁ, Jana (20%) - LAUBERTO VÁ, Martina (10%)]

AFD020 [197116] **Materiálová recyklácia niektorých kritických kovov z oceliarských trosiek – projekt CHROMIC** / Tomáš Havlík ... [et al.] - 2018.In: TOP 2018 : proceedings of abstract of the 24th international scientific conference Engineering for environment protection . Vysoké Tatry, Slovensko, 19. - 21. 9. 2018. - Bratislava (Slovensko) : Slovenská technická univerzita v Bratislave s. 1-6. - ISBN 978-80-227-4835-3
[HAVLÍK, Tomáš (20%) - MIŠKUFOVÁ, Andrea (20%) - ORÁČ, Dušan (20%) - PIKNA, Ľubomír (20%) - MÁRIÁSSY, Ján (20%)]

AFD021 [200876] **Characterization of dusts from secondary copper production** / Dušan Oráč ... [et al.] - 2018.In: TOP 2018 : proceedings of abstract of the 24th international scientific conference Engineering for environment protection . Vysoké Tatry, Slovensko, 19. - 21. 9. 2018. - Bratislava (Slovensko) : Slovenská technická univerzita v Bratislave, 2018 s. 1-8 . - ISBN 978-80-227-4835-3

[ORÁČ, Dušan (20%) - LAUBERTOVÁ, Martina (20%) - PIROŠKOVÁ, Jana (20%) - KLEIN, Dušan (20%) - URBAN KOBIALKOVÁ, Ivana (20%)]

AFD022 [212238] **Treatment of anode furnace dust in sulfuric acid** / Dušan Klein, Dušan Oráč - 2018.In: Metallurgy Junior 2018 : proceedings. - Košice (Slovensko) : Technická univerzita v Košiciach s. 66-68 [CD-ROM]. - ISBN 978-80-553-2971-0 [KLEIN, Dušan (90%) - ORÁČ, Dušan (10%)]

AFD023 [212263] **Lithium battery recycling and analysis of the slag formed by pyrometallurgical treatment of lithium batteries** / Jakub Klimko, Dušan Oráč - 2018.In: Metallurgy Junior 2018 : proceedings. - Košice (Slovensko) : Technická univerzita v Košiciach s. 69-73 [CD-ROM]. - ISBN 978-80-553-2971-0 [KLIMKO, Jakub (50%) - ORÁČ, Dušan (50%)]

AFD024 [204221] **Lead recovery in the process of dust treatment** / Martina Laubertová ... [et al.] - 2019.In: Materiálová recyklácia priemyselných odpadov 2019 : zborník príspevkov z odborného seminára. - Košice (Slovensko) : Technická univerzita v Košiciach, 2019 s. 48-54 [print]. - ISBN 978-80-553-3061-7 [LAUBERTOVÁ, Martina (50%) - ČECH, Róbert (30%) - PIROŠKOVÁ, Jana (10%) - ORÁČ, Dušan (10%)]

AFD025 [204497] **Základná charakteristika kalu z procesu pocínovania** / Ivana Urban Kobialková ... [et al.] - 2019.In: Materiálová recyklácia priemyselných odpadov 2019 : zborník príspevkov z odborného seminára. - Košice (Slovensko) : Technická univerzita v Košiciach s. 34-40 [print]. - ISBN 978-80-553-3061-7 [URBAN KOBIALKOVÁ, Ivana (20%) - PIROŠKOVÁ, Jana (20%) - ORÁČ, Dušan (15%) - KLEIN, Dušan (15%) - HAVLÍK, Tomáš (15%) - KLIMKO, Jakub (15%)]

AFD026 [204744] **Úprava roztoku po lúhovaní úletov z pyrometalurgickej rafinácie medi** / Dušan Klein ... [et al.] - 2019.In: Materiálová recyklácia priemyselných odpadov 2019 : zborník príspevkov z odborného seminára. - Košice (Slovensko) : Technická univerzita v Košiciach, 2019 s. 65-69 [CD-ROM]. - ISBN 978-80-553-3061-7 [KLEIN, Dušan (60%) - ORÁČ, Dušan (10%) - PIROŠKOVÁ, Jana (10%) - LAUBERTOVÁ, Martina (10%) - KLIMKO, Jakub (10%)]

AFD027 [212234] **Alkaline treatment of tin sludge** / D. Klein, D. Oráč, J. Klimko - 2019.In: ICTEP 2019 : proceedings of International Council on Technologies of Environmental Protection. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 148-151 [CD-ROM]. - ISBN 978-1-7281-4924-0 [KLEIN, Dušan (50%) - ORÁČ, Dušan (30%) - KLIMKO, Jakub (20%)]

AFD028 [212239] **Cementácia roztoku po lúhovaní úletov z pyrometalurgickej rafinácie medi** / Dušan Klein, Dušan Oráč - 2019.In: Metalurgia Junior 2019. - Košice (Slovensko) : Technická univerzita v Košiciach s. 42-46 [CD-ROM]. - ISBN 978-80-553-3315-1 [KLEIN, Dušan (90%) - ORÁČ, Dušan (10%)]

AFD029 [212245] **Recycling of lithium accumulators** / Jakub Klimko, Dušan Oráč, Dušan Klein - 2019.In: ICTEP 2019 : proceedings of International Council on Technologies of Environmental Protection. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 152-156 [CD-ROM]. - ISBN 978-1-7281-4924-0 [KLIMKO, Jakub (50%) - ORÁČ, Dušan (30%) - KLEIN, Dušan (20%)]

AFD030 [212264] **Využitie cementácie v procese spracovania priemyselných odpadov s obsahom cínu** / Jakub Klimko, Dušan Oráč - 2019.In: Metalurgia Junior 2019. - Košice (Slovensko) : Technická univerzita v Košiciach s. 47-51 [CD-ROM]. - ISBN 978-80-553-3315-1 [KLIMKO, Jakub (50%) - ORÁČ, Dušan (50%)]

AFD031 [226207] **Theoretical possibilities of processing of flue dust from copper production** / Dušan Klein, Dušan Oráč, Martina Laubertová - 2020.In: Udržateľnosť a logistika odpadov : vedecká

konferencia - workshop. - Košice (Slovensko) : Technická univerzita v Košiciach s. 77-82 [CD-ROM]. - ISBN 978-80-553-3612-1
[KLEIN, Dušan (60%) - ORÁČ, Dušan (20%) - LAUBERTOVÁ, Martina (20%)]

AFD032 [230721] **Zhodnocovanie odpadov z výroby medi** / Dušan Klein, Dušan Oráč - 2021.In: Recyklácia odpadov 2021 : zborník. - Bratislava (Slovensko) : Kongres STUDIO s. 86-93 [print]. - ISBN 978-80-89565-47-4
[KLEIN, Dušan (70%) - ORÁČ, Dušan (30%)]

AFD033 [230822] **Hydrometalurgické spracovanie úletov z pyrometalurgickej rafinácie medi** / Dušan Klein, Dušan Oráč - 2021.In: Metalurgia junior 2021 : Zborník príspevkov. - Košice (Slovensko) : Technická univerzita v Košiciach s. 86-91 [online]. - ISBN 978-80-553-3926-9
[KLEIN, Dušan (70%) - ORÁČ, Dušan (30%)]

AFD034 [230836] **Vybíjanie zvyškových napätí lítiových akumulátorov v procese ich materiálovej recyklácie** / Tomáš Havlík, Andrea Miškufová, Dušan Oráč - 2021.In: Recyklácia odpadov 2021 : zborník. - Bratislava (Slovensko) : Kongres STUDIO s. 23-28 [print]. - ISBN 978-80-89565-47-4
[HAVLÍK, Tomáš (40%) - MIŠKUFOVÁ, Andrea (30%) - ORÁČ, Dušan (30%)]

AFG - Abstrakty príspevkov zo zahraničných konferencií(2)

AFG001 [76412] **Recovery of aluminium from Al dross by Eddy-current separator** / D. Orac ... [et al.] - 2008.In: Ethics and science for environment. - S.l. : s.n., 2008 P. 73-75.
[ORÁČ, Dušan - KUKURUGYA, František - MIŠKUFOVÁ, Andrea - HAVLÍK, Tomáš]

AFG002 [78086] **Hydrometallurgical treatment of printed circuit boards from used computers** / D. Orac - 2008.In: 15. Internationaler Studenttag der Metallurgie. - Freiberg : ACATRAN, 2008 P. 183. - ISBN 9783000241260
[ORÁČ, Dušan (100%)]

AFH - Abstrakty príspevkov z domácich konferencií(1)

AFH001 [212235] **Možnosti spracovania odpadov z výroby medi** / Dušan Klein ... [et al.] - 2019.In: TOP 2019 - Technika ochrany prostredia = TOP 2019 - Engineering of Environment Protection : zborník abstraktov. - Bratislava (Slovensko) : Slovenská technická univerzita v Bratislave s. 11-11 [print]. - ISBN 978-80-227-4913-8
[KLEIN, Dušan (50%) - ORÁČ, Dušan (20%) - PIROŠKOVÁ, Jana (10%) - LAUBERTOVÁ, Martina (10%) - KLIMKO, Jakub (10%)]

BBB - Kapitoly v odborných monografiách vydané v domácich vydavateľstvách(2)

BBB001 [221663] **Materiálová recyklácia kovonosných odpadov s obsahom definovaných nedostatkových kovov do predajných produktov** / Tomáš Havlík, Andrea Miškufová, Dušan Oráč - 2020.In: Stav a vízie zhodnocovania odpadov z automobilového priemyslu SR. - Bratislava (Slovensko) : Spektrum STU s. 111-143 [print]. - ISBN 978-80-227-5039-4
[HAVLÍK, Tomáš (34%) - MIŠKUFOVÁ, Andrea (33%) - ORÁČ, Dušan (33%)]

BBB002 [230689] **Materiálová recyklácia lítiových automobilových trakčných akumulátorov** / Tomáš Havlík, Andrea Miškufová, Dušan Oráč - 2021.In: Progresívne technológie zhodnocovania odpadov v automobilovom priemysle. - Bratislava (Slovensko) : Spektrum STU s. 120-143 [print]. - ISBN 978-80-553-3867-5
[HAVLÍK, Tomáš (40%) - MIŠKUFOVÁ, Andrea (30%) - ORÁČ, Dušan (30%)]

BCI - Skriptá a učebné texty(4)

BCI001 [119171] **Hydrometalurgické procesy** návody na cvičenia/ Dušan Oráč, Tomáš Havlík - 1. vyd

- Košice : EQUILIBRIA - 2012. - 155 s.. - ISBN 978-80-8173-008-4.
[ORÁČ, Dušan (50%) - HAVLÍK, Tomáš (50%)]

BCI002 [132530] **Environmentálne aspekty výroby ľahkých kovov 1** Výskyt a možnosti spracovania odpadov vznikajúcich pri výrobe hliníka/ Andrea Miškufová, Dušan Oráč, Martina Laubertová - 1. vyd - Košice : Equilibria - 2013. - 174 s.. - ISBN 978-80-8143-083-1.
[MIŠKUFOVÁ, Andrea (70%) - ORÁČ, Dušan (20%) - LAUBERTOVIČ, Martina (10%)]

Ohlasy:

2013 [4] ŠKROBIAN, Milan, PLACHÁ, Veronika, KRAHULEC, Ján Recyklácia odpadov vznikajúcich pri lisovaní hliníka a jeho kompozitov In: Waste : Secondary Raw Materials 5 : 5th International Conference : 04 - 07 June 2013, Liptovský Jan, Slovak Republic S. 248-253 ISBN: 978-80-8143-094-7

BCI003 [144187] **Druhotné suroviny a odpady** Návod na cvičenia/ Dušan Oráč, Tomáš Vindt - 1. vyd. - Košice : TU - 2014. - 122 s.. - ISBN 978-80-553-1644-4.
[ORÁČ, Dušan (70%) - VINDT, Tomáš (30%)]

BCI004 [222671] **Teória recyklačných procesov** Návod na cvičenia/ Dušan Oráč ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 230 s. [CD-ROM]. - ISBN 978-80-553-3657-2.
[ORÁČ, Dušan (30%) - KLEIN, Dušan (30%) - PIROŠKOVÁ, Jana (30%) - KLIMKO, Jakub (10%)]

BDF - Odborné práce v domácich nekarentovaných časopisoch(1)

BDF001 [84946] **Recyklácia lítiových batérií a akumulátorov** / M. Petrániková ... [et al.] - 2009.In: Odpady. Roč. 9, č. 6 (2009), s. 8-13. - ISSN 1335-7808
[PETRÁNIKOVÁ, Martina (25%) - MIŠKUFOVÁ, Andrea (25%) - HAVLÍK, Tomáš (25%) - ORÁČ, Dušan (25%)]

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)(6)

BEF001 [69025] **Možnosti fyzikálnej separácie zložiek z vyradených dosiek plošných spojov** / František Kukurugya, Dušan Oráč, Tomáš Havlík - 2008.In: Moderné trendy v spracovaní druhotných zdrojov neželezných kovov. - Košice : HF TU, 2008 S. 48-52. - ISBN 9788080739669
[KUKURUGYA, František (34%) - ORÁČ, Dušan (33%) - HAVLÍK, Tomáš (33%)]

BEF002 [69056] **Možnosti spracovania odpadu z elektrických a elektronických zariadení** / Dušan Oráč, František Kukurugya, Tomáš Havlík - 2008.In: Moderné trendy v spracovaní druhotných zdrojov neželezných kovov. - Košice : HF TU, 2008 S. 92-95. - ISBN 9788080739669
[ORÁČ, Dušan (34%) - KUKURUGYA, František (33%) - HAVLÍK, Tomáš (33%)]

BEF003 [72027] **Možnosti spracovania dosiek plošných spojov z vyradených počítačov** / Dušan Oráč, Tomáš Havlík - 2008.In: Metalurgia Junior 2008. - Košice : HF TU, 2008 S. 67-70. - ISBN 9788055300375
[ORÁČ, Dušan (60%) - HAVLÍK, Tomáš (40%)]

BEF004 [191197] **Mechanicko-fyzikálna predúprava frakcie z drvenia starých automobilov** / Dušan Oráč, Tomáš Havlík - 2017.In: Zborník prednášok odborných seminárov. - Košice : TU, 2017 S. 146-161. - ISBN 978-80-553-2949-9
[ORÁČ, Dušan (50%) - HAVLÍK, Tomáš (50%)]

BEF005 [206095] **Centrum spracovania odpadov – návrhy a poloprevádzkové testovanie možností spracovania rôznych druhov odpadov** / Tomáš Havlík ... [et al.] - 2019.In: Recyklácia odpadov 2019 : zborník prednášok. - Bratislava (Slovensko) : Kongres STUDIO s. 20-26 [print].
[HAVLÍK, Tomáš (25%) - ORÁČ, Dušan (25%) - VINDT, Tomáš (25%) - MIŠKUFOVÁ, Andrea (25%)]

BEF006 [212232] **Možnosti a návrh spracovania vybraných druhov elektroodpadu** / Dušan Oráč ... [et al.] - 2019.In: Recyklácia odpadov 2019 : zborník prednášok. - Bratislava (Slovensko) : Kongres STUDIO s. 27-35 [print].
[ORÁČ, Dušan (25%) - HAVLÍK, Tomáš (25%) - KLIMKO, Jakub (25%) - KLEIN, Dušan (25%)]

BFB - Abstrakty odborných prác z domácich podujatí (konferencie...)(4)

BFB001 [115193] **Spracovanie odpadu z elektrických a elektronických zariadení** / Dušan Oráč ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: Medzinárodná ekologická súťaž EKO 2011 : Zborník abstraktov : 9. ročník : Košice, 27. októbra 2011. - Košice : TU, 2011 S. 34-35. - ISBN 978-80-553-0729-9
[ORÁČ, Dušan (25%) - HAVLÍK, Tomáš (25%) - KUKURUGYA, František (25%) - TAKÁČOVÁ, Zita (25%)]

BFB002 [138044] **Spolupráca KNKaSO HF TUKE a ŽP Výskumno-vývojového centra v oblasti spracovania oceliarskych úletov s obsahom zinku** / Tomáš Havlík ... [et al.] - 2013.In: Odborný seminár ŽP VVC : zborník abstraktov : 26. - 27. 9. 2013, Tále. - Podbrezová : ŽP Výskumno-vývojové centrum, 2013 S. 9-9. - ISBN 978-80-971477-0-9
[HAVLÍK, Tomáš (25%) - KUKURUGYA, František (25%) - ORÁČ, Dušan (25%) - MIŠKUFOVÁ, Andrea (25%)]

BFB003 [196632] **Získavanie chrómu a vanádu z trosiek** / Andrea Miškufová ... [et al.] - 2018.In: Odborná konferencia ŽP VVC 2018. - Brezno : HLP grafik, 2018 S. 214-214. - ISBN 978-80-973141-0-1
[MIŠKUFOVÁ, Andrea (25%) - KURUC, Patrik (15%) - HAVLÍK, Tomáš (15%) - ORÁČ, Dušan (15%) - PIKNA, Ľubomír (15%) - MÁRIÁSSY, Ján (15%)]

BFB004 [196718] **Hydrometalurgické získavanie kritických kovov z oceliarskych trosiek - projekt H2020 CHROMIC** / Tomáš Havlík ... [et al.] - 2018.In: Odborná konferencia ŽP VVC 2018. - Brezno : HLP grafik, 2018 S. 213-213. - ISBN 978-80-973141-0-1
[HAVLÍK, Tomáš (20%) - MIŠKUFOVÁ, Andrea (20%) - ORÁČ, Dušan (20%) - PIKNA, Ľubomír (20%) - MÁRIÁSSY, Ján (20%)]

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (4)

FAI001 [122508] **Kammel's Quo Vadis Hydromatallurgy 6** 6th international conference/ František Kukurugya, Dušan Oráč - Banská Bystrica : Polygrafia Gutenberg - 2012. - 272 s.. - ISBN 978-80-969886-4-8.
[KUKURUGYA, František (50%) - ORÁČ, Dušan (50%)]

FAI002 [137033] **WASTE - Secondary Raw Materials 5** 5th International Conference : 04-07 June 2013, Liptovsky Jan, Slovak Republic/ Dušan Oráč, František Kukurugya - 1. vyd. - Košice : Equilibria s.r.o. - 2013. - 328 s.. - ISBN 978-80-8143-094-7.
[ORÁČ, Dušan (50%) - KUKURUGYA, František (50%)]

FAI003 [190983] **Zborník prednášok odborných seminárov** / Dušan Oráč, Martina Laubertová - 1. vyd. - Košice : Technická univerzita - 2017. - 286 s.. - ISBN 978-80-553-2949-9.
[ORÁČ, Dušan (50%) - LAUBERTOVIÁ, Martina (50%)]

FAI004 [197474] **Zborník prednášok odborných seminárov 2** / Dušan Oráč, Martina Laubertová - 1. vyd. - Košice : Technická univerzita v Košiciach - 2018. - 218 s. [CD-ROM]. - ISBN 9788055327587.
[ORÁČ, Dušan (50%) - LAUBERTOVIÁ, Martina (50%)]

O2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Odborný(1)

O2001 [303420] **Recyklácia trosiek z výroby ocele** / Jana Pirošková ... [et al.] - 2022.In: Recyklácia odpadov 2022 : zborník : medzinárodná konferencia : 13.-14. jún 2022, Bratislava, Hotel Saffron. - Bratislava (Slovensko) : Kongres STUDIO s. 125-131 [print]. - ISBN 978-80-89565-51-1 [PIROŠKOVÁ, Jana (20%) - ORÁČ, Dušan (20%) - MARCINOV, Vladimír (20%) - HAVLÍK, Tomáš (20%) - MIŠKUFOVÁ, Andrea (20%)]

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký(4)

V2001 [301809] **Zhodnocovanie priemyselných odpadov v polovodičových produktoch** / Pavol Liptai ... [et al.] - 2021.In: Recyklácia odpadov 2021. - Bratislava (Slovensko) : Kongres STUDIO s. 80-85 [print]. - ISBN 978-80-89565-47-4 [LIPTAI, Pavol (20%) - DOLNÍK, Bystrík (20%) - VINDT, Tomáš (20%) - NAGY, Šimon (20%) - ORÁČ, Dušan (20%)]

V2002 [303428] **Využitie gravitačného rozdrúžovania pri recyklácii elektronického odpadu** / Vladimír Marcinov ... [et al.] - 2022.In: Recyklácia odpadov 2022 : zborník : medzinárodná konferencia : 13.-14. jún 2022, Bratislava, Hotel Saffron. - Bratislava (Slovensko) : Kongres STUDIO s. 51-59 [print]. - ISBN 978-80-89565-51-1 [MARCINOV, Vladimír (50%) - NAGY, Šimon (30%) - KLIMKO, Jakub (10%) - ORÁČ, Dušan (10%)]

V2003 [303430] **Porovnanie materiálovej a chemickej analýzy dosiek plošných spojov** / Šimon Nagy ... [et al.] - 2022.In: Recyklácia odpadov 2022 : zborník : medzinárodná konferencia : 13.-14. jún 2022, Bratislava, Hotel Saffron. - Bratislava (Slovensko) : Kongres STUDIO s. 78-85 [print]. - ISBN 978-80-89565-51-1 [NAGY, Šimon (15%) - LIPTAI, Pavol (15%) - ORÁČ, Dušan (14%) - VINDT, Tomáš (14%) - PIROŠKOVÁ, Jana (14%) - MARCINOV, Vladimír (14%) - KLIMKO, Jakub (14%)]

V2004 [303496] **Využitie vysokofrekvenčného poľa pri recyklácii trosiek z výroby ocele** / Dušan Oráč ... [et al.] - 2022.In: Recyklácia odpadov 2022 : zborník : medzinárodná konferencia : 13.-14. jún 2022, Bratislava, Hotel Saffron. - Bratislava (Slovensko) : Kongres STUDIO s. 118-125 [print]. - ISBN 978-80-89565-51-1 [ORÁČ, Dušan (25%) - PIROŠKOVÁ, Jana (25%) - MARCINOV, Vladimír (25%) - NAGY, Šimon (25%)]

V3 - Výstup publikačnej činnosti z časopisu - Vedecký(2)

V3001 [302390] **Hydrometallurgical Recycling of Copper Anode Furnace Dust for a Complete Recovery of Metal Values** / Dušan Oráč ... [et al.] - 2022.In: Metals. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 12, č. 1 (2022), s. [1-36] [online]. - ISSN 2075-4701 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/met12010036>. [ORÁČ, Dušan (35%) - KLIMKO, Jakub (35%) - KLEIN, Dušan (10%) - PIROŠKOVÁ, Jana (5%) - LIPTAI, Pavol (5%) - VINDT, Tomáš (5%) - MIŠKUFOVÁ, Andrea (5%)]

V3002 [303425] **Characterization of Galvanizing Flue Dust and Recycling Possibilities** / Jana Pirošková ... [et al.] - 2022.In: Metals. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 12, č. 5 (2022), s. [1-11] [online]. - ISSN 2075-4701 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/met12050744>. [PIROŠKOVÁ, Jana (30%) - KLIMKO, Jakub (30%) - TRPČEVSKÁ, Jarmila (10%) - LAUBERTOVIČ, Martina (5%) - PLEŠINGEROVÁ, Beatrice (5%) - LIPTAI, Pavol (5%) - VINDT, Tomáš (5%) - ORÁČ, Dušan (10%)]