

**Mgr. Maroš Halama, PhD.**

Technická univerzita v Košiciach

Fakulta materiálov, metalurgie a recyklácie

Ústav materiálov a inžinierstva kvality

*Podklady k habilitačnému konaniu*

**ZOZNAM PÔVODNÝCH PUBLIKOVANÝCH VEDECKÝCH A ODBORNÝCH PRÁC,  
UČEBNÍČ A UČEBNÝCH TEXTOV, ZOZNAM CITÁCIÍ A OHLASOV**

**Technická univerzita v Košiciach**  
**Prehľad publikačnej činnosti vrátane ohlasov**  
**Autor: HALAMA, Maroš**  
**Rok vydania od: 2002 do: 2021**  
**Rok vykazovania od: 2002 do: 2021**  
**Dátum generovania výstupu: 18. 8. 2021, 9:52:25**

**Skupina A1 - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)**

**Počet záznamov: 1**

ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (1)

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

**Počet záznamov: 15**

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

BAB - Odborné monografie vydané v domácich vydavateľstvách (3)

BCI - Skriptá a učebné texty (1)

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (10)

**Skupina B - Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy (ADC, ADD, AEG, AEH, BDC, BDD, CDC, CDD, AGJ)**

**Počet záznamov: 9**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (8)

AGJ - Autorské osvedčenia, patenty, objavy (1)

**Skupina C - Ostatné recenzované publikácie (ACC, ACD, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CDE, CDF)**

**Počet záznamov: 98**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (9)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (7)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (2)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (1)

AFB - Publikované pozvané príspevky na domácich vedeckých konferenciách (1)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (21)

AFD - Publikované príspevky na domácich vedeckých konferenciách (17)

AFE - Abstrakty pozvaných príspevkov zo zahraničných konferencií (1)

AFF - Abstrakty pozvaných referátov z domácich konferencií (3)

AFG - Abstrakty príspevkov zo zahraničných konferencií (14)

AFH - Abstrakty príspevkov z domácich konferencií (12)

BDF - Odborné práce v domácich nekarentovaných časopisoch (4)

BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...) (6)

**Skupina N - Nové kategórie EPC v zmysle Vyhlášky č. 456/2012 (ADM, ADN, AEM, AEN, BDM, BDN, CBA, CBB)**

**Počet záznamov: 3**

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (2)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

**Počet záznamov spolu: 126**

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**Menný zoznam publikácií:**

**ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách(1)**

ABC001 [127962] **Contribution to the Quantification of Risk Assessment in Nanomedicine: Determination of "Run-off" Effect of Metallic Nanoparticles in Environments Simulated Different Conditions** / Maroš Halama, Udo Starzacher, Andrea Fedorkova - 2012. In: Proceed with caution? : Concept and application of the precautionary principle in nanobiotechnology. - Zürich : Lit Verlag, 2012 P. 173-191 [1 AH]. - ISBN 978-3-643-90091-3  
[HALAMA, Maroš (80%) - STARZACHER, Udo (10%) - FEDORKOVA, Andrea (10%)]

**ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)**

ACB001 [190987] **Koróznny tréning** / Maroš Halama - 1. vyd - Košice : TU - 2017. - 80 s. - ISBN 978-80-553-2833-1.  
[HALAMA, Maroš (100%)]

**ADC - Vedecké práce v zahraničných karentovaných časopisoch(8)**

ADC001 [59894] **Anodic oxidation of both particulate and compact iron in chloride-containing acetate buffer electrolytes** / Maroš Halama, Daniela Kladekiová, Miriam Gálová - 2007. In: Particulate Science and Technology. Vol. 25, no. 3 (2007), p. 261-274. - ISSN 0272-6351 Spôsob prístupu: <http://www.informaworld.com/smpp/content?content=10.1080/02726350701375840>.  
[HALAMA, Maroš (34%) - KLADEKOVÁ, Daniela (33%) - GÁLOVÁ, Miriam (33%)]

**Ohlasy:**

2013 [1] PIKNA, L. et al. Anodic dissolution of iron microparticles in chloride-containing acetate buffer electrolytes studied by elimination voltammetry In: Journal of solid state electrochemistry Vol. 17, no. 10 (2013), p. 2687-2696 ISSN: 1432-8488

ADC002 [109521] **Prediction of Atmospheric Corrosion of Carbon Steel Using Artificial Neural Network Model in Local Geographical Regions** / M. Halama, K. Kreislova, J. Van Lysebettens - 2011. In: Corrosion : The Journal of Science and Engineering. Vol. 67, no. 6 (2011), p. 1-6. - ISSN 0010-9312 Spôsob prístupu: <http://dx.doi.org/10.5006/1.3595099>.  
[HALAMA, Maroš (80%) - KREISLOVA, Katerina (10%) - LYSEBETTENS, Jeroen Van (10%)]

**Ohlasy:**

2015 [1] SHI, Jiangbo, WANG, Jihui, MCDONALD, Digby Donald Prediction of primary water stress corrosion crack growth rates in Alloy 600 using artificial neural networks In: Corrosion Science Vol. 92 (2015), p. 217-227 ISSN: 0010-938X

2019 [1] CHEN, Bo et al. Performance evaluation of veticulated shell with atmospheric corrosion damage In: Advances in Structural Engineering Vol. 22, no. 4 (2019), p. 850-867 ISSN: 1369-4332

2019 [3] ZHENHUA, Li, YONGHAO, Lu, XINYU, Wang Modeling of stress corrosion cracking growth rates for key structural materials of nuclear power plant In: Journal of Materials Science Dostupné na internete: <https://doi.org/10.1007/s10853-019-03968-w> ISSN: 0022-2461

2018 [1] HAVEROVÁ, L. et al. An in vitro corrosion study of open cell Iron structures with PEG coating for bone replacement applications In: Metals Vol. 8, no. 7 (2018), p. art. num. 499 ISSN: 2075-4701

2017 [1] LO, Chih-Min, CHIU, Yen-Ming, LIN, M.D. Predicting atmospheric corrosion rates of copper in Taiwan industrial zones using artificial neural network In: IEEE International Conference on Industrial

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Engineering and Engineering Management (IEEM) : Singapore, Hong Kong, 10-13 December 2017 P.  
1276-1280 ISSN: 2157-3611

ADC003 [110063] **Korózne vlastnosti biomateriálov nTi, cpTi a Ti6Al4V v podmienkach simulovanej telesnej tekutiny** / Izabela Bernáthová ... [et al.] - 2011.In: Chemické listy. Vol. 105, no. Symposia (2011), p. s558-s560. - ISSN 0009-2770  
[BERNÁTHOVÁ, Izabela (40%) - HALAMA, Maroš (30%) - FUJDA, Martin (20%) - STAŠKO, Ivan (10%)]

ADC004 [111648] **Quality Evaluation of Resistance Spot Welds of Hot-Dip Galvanized Sheets In Corrosive Environment** / Ľuboš Kaščák ... [et al.] - 2011.In: Chemické listy. Vol. 105, no. S (2011), p. 709-712. - ISSN 0009-2770 Spôsob prístupu: [http://www.chemicke-listy.cz/docs/full/2011\\_17\\_s705-s716.pdf](http://www.chemicke-listy.cz/docs/full/2011_17_s705-s716.pdf).  
[KAŠČÁK, Ľuboš (25%) - BREZINOVÁ, Janette (25%) - HALAMA, Maroš (25%) - VIŇÁŠ, Ján (25%)]  
**Ohlasy:**

2017 [1] SEJČ, P. et al. Stability of Ni / TiB<sub>2</sub> coating on CuCrZr electrodes for resistance spot welding galvanized steel sheet In: Manufacturing Technology Vol. 17, no. 4 (2017), p. 570-576 ISSN: 1213-2489

2020 [3] REYAD, Masud Mohammad Numerical Analysis of Resistance Spot Welded Joints Under Static Load In: International Journal of Innovative Science and Research Technology Vol. 5, no. 3 (2020), p. 444-449 ISSN: 2456-2165

ADC005 [112724] **Analýza Fe-Al medzifázovej vrstvy v Zn-povlaku ocele HX180YD** / Gejza Rosenberg ... [et al.] - 2011.In: Chemické listy. Vol. 105, no. Symposia (2011), p. 568-570. - ISSN 0009-2770  
[ROSENBERG, Gejza (40%) - GAŠKO, Marek (20%) - SINAIOVÁ, Iveta (20%) - HALAMA, Maroš (20%)]  
**Ohlasy:**

2012 [3] WESSELY, E., EVIN, E., TOMAS, M. Prediction of deformation properties of steel sheets by numerical simulation In: DAAAM International Scientific Book 2012 Vol. 11 (2012), p. 019-026 ISSN: 1726-9687 ISBN: 978-3-901509-86-5

ADC006 [147041] **Hall Effect in ZnO Extrinsic Structure** / B. Dolník ... [et al.] - 2014.In: Acta Physica Polonica A. Vol. 126, no. 1 (2014), p. 76-77. - ISSN 1898-794X Spôsob prístupu: <http://przrybwn.icm.edu.pl/APP/PDF/126/a126z1p034.pdf>.  
[DOLNÍK, Bystrík (65%) - KURIMSKÝ, Juraj (20%) - MARTON, Karol (1%) - KOLCUN, Michal (1%) - TOMČO, Ladislav (1%) - BRIANČIN, J. (4%) - FABIÁN, M. (1%) - HALAMA, Maroš (1%) - VOJTKO, Marek (4%) - RAJNÁK, Michal (2%)]  
**Ohlasy:**

2014 [4] TKÁČ, Ján, HVIZDOŠ, Marek Meranie vlastností nelineárnych dielektrík na báze titánu In: Sarnutie elektroizolačných systémov Roč. 9, č. 2 (2014), s. 16-18 ISSN: 1337-0103

ADC007 [207918] **Anti-corrosive surface effect of ascorbic acid caused on the ZnO nanoparticles - Experimental and theoretical investigations** / Lucia Mydlova ... [et al.] - 2019.In: Applied Surface Science : A Journal Devoted to Applied Physics and Chemistry of Surfaces and Interfaces. - Amsterdam (Holandsko) : Elsevier, 1985 č. 483 (2019), s. 562-571 [print]. - ISSN 0169-4332 Spôsob prístupu: <https://doi.org/10.1016/j.apsusc.2019.03.324>.  
[MYDLOVA, Lucia (30%) - KLUZA, Kamil (15%) - HALAMA, Maroš (30%) - MAKOWSKA-JANUSIK, Malgorzata (25%)]  
**Ohlasy:**

2021 [1] Radkowska, Ilona, Bragieli, Piotr 1-Naphthols as components for multifunctional material systems (MFMS): the molecular modeling approach In: Structural Chemistry : an international journal

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concerned with energy, structure, and their relationships to chemical, physical, and biological properties :  
Computational and Experimental Studies of Chemical and Biological Systems Roč. 32, č. 1 (2021), 259-273 [print] ISSN: 1040-0400

ADC008 [219299] **Mechanical surface smoothing of micron-sized iron powder for improved silica coating performance as soft magnetic composites** / Peter Slovenský ... [ et al. ] - 2020.In: Applied Surface Science : A Journal Devoted to Applied Physics and Chemistry of Surfaces and Interfaces. - Amsterdam (Holandsko) : Elsevier, 1985 č. 531 (2020), s. 1-8 [print, online]. - ISSN 0169-4332 [SLOVENSKÝ, Peter (40%) - KOLLÁR, Peter (10%) - NANXUAN, Mei (5%) - JAKUBČIN, Miloš (5%) - ZELENÁKOVÁ, Adriana (5%) - HALAMA, Maroš (10%) - ODNEVALL WALLINDER, Inger (5%) - HEDBERG, Yolanda S. (20%)]

**Ohlasy:**

2021 [1] Yi, Xuwu et al. Microstructure and magnetic properties of FeSiAl soft magnetic composites prepared by chemical in-situ coprecipitation with NaOH In: Materials Chemistry and Physics : including materials science communications : an international interdisciplinary journal on science, characterization and processing of advanced materials : The International Journal of the Materials Research Society-Taiwan (MRS-T) Roč. 267 (2021) ISSN: 0254-0584

2021 [1] Nie, Wen et al. High-performance core-shell-type FeSiCr@MnZn soft magnetic composites for high-frequency applications In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics Roč. 864 (2021)[print, online] ISSN: 0925-8388

2021 [1] Wang, Jinghui et al. Improvement of magnetic properties for FeSi/FeSiAl compound soft magnetic composites by introducing impact of powder size matching In: Journal of Materials Science : Materials in Electronics Roč. 32, č. 7 (2021), 8545-8556 [print, online] ISSN: 0957-4522

2021 [1] Dolmatov, Arthur V. et al. Deposition of a SiO<sub>2</sub> Shell of Variable Thickness and Chemical Composition to Carbonyl Iron: Synthesis and Microwave Measurements In: Sensors Roč. 21, č. 14 (2021) ISSN: 1424-3210

**ADE - Vedecské práce v zahraničných nekarentovaných časopisoch(9)**

ADE001 [56772] **Korózna odolnosť TiAlN povlakov** / Mária Hagarová, Maroš Halama - 2006.In: Koroze a ochrana materiálu. Vol. 50, no. 4 (2006), p. 78-83. - ISSN 0452-599X [HAGAROVÁ, Mária (50%) - HALAMA, Maroš (50%)]

**Ohlasy:**

2007 [4] DRAGANOVSKÁ, D.: Stanovenie spotreby povlakovacieho materiálu v nadväznosti na mikrogeometriu otryskaného povrchu. In: Acta Mechanica Slovaca. Roč. 11, č. 4-C (2007), s. 41-46. ISSN 1335-2393.

ADE002 [58336] **Využitie umelých neurónových sietí pre predikciu atmosferickej korózie konštrukčných materiálov** / Maroš Halama ... [et al.] - 2007.In: Konstrukce. Vol. 6, no. 1 (2007), p. 36-38. - ISSN 1213-8762 [HALAMA, Maroš (35%) - ŠMÍD, Petr (35%) - ŽILKOVÁ, Jaroslava (15%) - JEROLITSCH, David (15%)]

ADE003 [85363] **Štúdium koróznej odolnosti ocele KONOX 315 S** / Jarmila Ševčíková, Maroš Halama - 2009.In: Konstrukce. Vol. 8, no. 3 (2009), p. 2-4. - ISSN 1213-8762 [ŠEVČÍKOVÁ, Jarmila (60%) - HALAMA, Maroš (40%)]

ADE004 [101519] **Analysis of spot welds quality of zinc-coated sheets and their corrosive properties** / Janette Brezinová ... [et al.] - 2010.In: Scientific Papers of University of Rzeszow : Zeszyty Naukowe Politechniki Rzeszowskiej : Mechanika z. 80. No. 273 (2010), p. 47-52. - ISSN 0209-2689

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Spôsob prístupu: [http://www.mechanics.rzeszow.pl/pdf/03body\\_text.pdf](http://www.mechanics.rzeszow.pl/pdf/03body_text.pdf).

[BREZINOVÁ, Janette (25%) - HALAMA, Maroš (25%) - KAŠČÁK, Ľuboš (25%) - VIŇÁŠ, Ján (25%)]

ADE005 [107881] **Možnosti elektrochemických techník pri štúdiu degradácie kovových nanočastíc v biomedicínskych aplikáciách** / Maroš Halama, Ondrej Milkovič, Barnabáš Palinčár - 2010.In: Koroze a ochrana materiálu. Vol. 54, no. 4 (2010), p. 134-137. - ISSN 1804-1213 Spôsob prístupu:

<http://www.casopis-koroze.cz>.

[HALAMA, Maroš (80%) - MILKOVIČ, Ondrej (10%) - PALINČÁR, Barnabáš (10%)]

ADE006 [124857] **Korózný monitoring aktívneho pasívneho stavu Zn povlakov** / Maroš Halama, David Jerolitsch, Kovaľ Karol - 2012.In: Koroze a ochrana materiálu. Vol. 56, no. 2 (2012), p. 43-46. - ISSN 0452-599X

[HALAMA, Maroš (80%) - JEROLITSCH, David (10%) - KOVAĽ, Karol (10%)]

ADE007 [130016] **Stanovenie koróznej odolnosti galvanického Ni-Co povlaku elektrochemickými metódami** / Rastislav Dzedzina, Mária Hagarová, Maroš Halama - 2012.In: Koroze a ochrana materiálu. Vol. 56, no. 4 (2012), p. 104-107. - ISSN 1804-1213

[DZEDZINA, Rastislav (40%) - HAGAROVÁ, Mária (40%) - HALAMA, Maroš (20%)]

ADE008 [131593] **Efektívny korózný monitoring** / Maroš Halama, Ying Zhu, Radoslav Ries - 2013.In: Koroze a ochrana materiálu. Vol. 57, no. 1 (2013), p. 1-3. - ISSN 1804-1213

[HALAMA, Maroš (80%) - ZHU, Ying (10%) - RIES, Radoslav (10%)]

ADE009 [142504] **Využitie moderných metód korózneho monitoringu pre stanovenie kvality povrchovej úpravy karosárskych plechov** / Janette Brezinová ... [et al.] - 2013.In: Povrchová úprava. Vol. 9, no. 12 (2013), p. 4-6. - ISSN 1801-707X Spôsob prístupu:

<http://www.povrchovauprava.cz/uploads/assets/casopisy/pu-2013-12.pdf>.

[BREZINOVÁ, Janette (25%) - HALAMA, Maroš (25%) - KAŠČÁK, Ľuboš (25%) - VIŇÁŠ, Ján (25%)]

#### **ADF - Vedecké práce v domácich nekarentovaných časopisoch(7)**

ADF001 [63053] **Preparation mode of Fe nanoparticles** / O. Milkovič ... [et al.] - 2007.In: Acta Metallurgica Slovaca. Roč. 13, mimoriadne č. 1 (2007), s. 694-697. - ISSN 1335-1532

[MILKOVIČ, Ondrej (25%) - HALAMA, Maroš (25%) - LONGAUER, Svätoboj (25%) - NIŽNÍK, Štefan (25%)]

#### **Ohlasy:**

2008 [4] SOPKO, Martin Význam magnetických nanodrôtov Fe a ich príprava In: Metalurgia Junior 2008 : zborník prednášok z konferencie : 27.-28. máj 2008, Košice S. 147-150 ISBN: 978-80-553-0037-5

2010 [4] PEĽÁK, Slavomír, SOPKO, Martin Použitie nanočastíc železa v medicíne In: Metalurgia Junior 2010 : zborník prednášok z konferencie : Košice, 2010 S. 135-138 ISBN: 978-80-553-0430-4

ADF002 [63923] **Štúdium elektrochemických vlastností korózných makročlánkov Al 99,5 - vybraný konštrukčný materiál** / Jarmila Ševčíková, Maroš Halama - 2007.In: Transactions of the Universities of Košice. Mimoriadne číslo Aluminium (2007), s. 247-252. - ISSN 1335-2334

[ŠEVČÍKOVÁ, Jarmila (40%) - HALAMA, Maroš (60%)]

ADF003 [63927] **Aluminium compatibility with other metals in a structural complex** / Maroš Halama ... [et al.] - 2007.In: Transactions of the Universities of Košice. Mimoriadne číslo Aluminium (2007), s. 279-284. - ISSN 1335-2334

[HALAMA, Maroš (40%) - ŠEVČÍKOVÁ, Jarmila (20%) - JEROLITSCH, David (20%) - JANÁK, Gabriel (20%)]

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ADF004 [77847] **Elektrochemické charakteristiky koróznej degradácie kovových materiálov v atmosfére** / Jarmila Ševčíková, Maroš Halama - 2008.In: Acta Mechanica Slovaca. Roč. 12, č. 4-B (2008), s. 258-262. - ISSN 1335-2393

[ŠEVČÍKOVÁ, Jarmila (60%) - HALAMA, Maroš (40%)]

ADF005 [99843] **Stanovenie korózných charakteristík tenkých PVD vrstiev** / Mária Hagarová, Maroš Halama, Marek Vojtko - 2010.In: Transfer inovácií. Č. 16 (2010), s. 209-215. - ISSN 1337-7094 Spôsob prístupu: <http://www.sjf.tuke.sk/transferinovacii>.

[HAGAROVÁ, Mária (50%) - HALAMA, Maroš (35%) - VOJTKO, Marek (15%)]

ADF006 [171116] **Z laboratória do výkopu. Inovatívny prístup ku koróznemu monitoringu v SPP - distribúcia, a.s.** / Marek Smatana, Maroš Halama - 2016.In: SlovGas. Roč. 25, č. 2 (2016), s. 18-20. - ISSN 1335-3853

[SMATANA, Marek (20%) - HALAMA, Maroš (80%)]

ADF007 [171122] **European SME week v Bruseli** / Maroš Halama - 2016.In: TriboTechnika. Roč. 9, č. 1 (2016), s. 58-58. - ISSN 1338-0524

[HALAMA, Maroš (100%)]

**ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(2)**

ADM001 [156957] **Mechanical and corrosion properties of aluminium alloy EN AW 6082 after severe plastic deformation (SPD)** / Petra Lacková ... [et al.] - 2015.In: Metalurgija. Vol. 54, no. 1 (2015), p. 181-183. - ISSN 0543-5846 Spôsob prístupu:

[http://hrcak.srce.hr/index.php?show=clanak&id\\_clanak\\_jezik=187222](http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=187222).

[LACKOVÁ, Petra (40%) - BURŠÁK, Marián (30%) - KVAČKAJ, Tibor (20%) - HALAMA, Maroš (10%)]

**Ohlasy:**

2020 [1] PEDDAVARAPU, Sreehari, VEERAPPAN, A. Muthu, RAGHURAMAN, S. Tribological study of Graphene reinforced AA6082 surface composite processed through Friction Stir Processing In: Materials Today-Proceedings : MMM 2020 : International Conference on Materials and Manufacturing Methods : Tiruchirapalli, 5-7 Jul, 2019 Vol. 27, no. 3 (2020) p. 2225-2229 ISSN: 2214-7853

ADM002 [173667] **Korózia betonárskej ocele v prostredí vysokopecnej a oceliarskej trosky** / Dušan Rodziňák ... [et al.] - 2016.In: Koroze a ochrana materiálu. Vol. 60, no. 3 (2016), p. 74-79. - ISSN 0452-599X

[RODZIŇÁK, Dušan (30%) - HALAMA, Maroš (30%) - ČERŇAN, Jozef (20%) - KOVALČÍKOVÁ, Martina (20%)]

**ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS(1)**

ADN001 [143992] **Quantification of corrosion activity on HDG steel sheets during cyclic dip tests in classical and ecological salt solutions** / Maroš Halama ... [et al.] - 2014.In: Acta Metallurgica Slovaca. Roč. 20, č. 1 (2014), s. 89-96. - ISSN 1335-1532

[HALAMA, Maroš (70%) - ZHU, Ying (10%) - KOVAL', Karol (10%) - BREZINOVÁ, Janette (10%)]

**AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(2)**

AEC001 [156173] **Non-destructive technique for evaluation of degradation on solar cells** / Maroš Halama ... [et al.] - 2015.In: Materials Science Forum volume 811 : Corrosion in Power Industry. - Switzerland : TTP, 2015 P. 3-10. - ISSN 0255-5476 Spôsob prístupu:

<https://www.scientific.net/MSF.811.3>.

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AED001 [42956] **Testovanie bimetalických dvojíc vybraných konštrukčných kovov v modelových podmienkach** / Maroš Halama, Jarmila Ševčíková - 2005. In: Acta Mechanica Slovaca. Roč. 9, č. 3-A 2005 INTERANTIKOR 2005 (2005), s. 61-66. - ISSN 1335-2393

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**AFB - Publikované pozvané príspevky na domácich vedeckých konferenciách(1)**

AFB001 [97309] **Korózný monitoring zinkových povlakov využívajúc ENA** / Maroš Halama ... [et al.] - 2010. In: Korózia v energetike 2010 : zborník 21. medzinárodnej konferencie : 25.-26. máj 2010, Košice. - Košice : TU, HF, 2010 S. 133-138. - ISBN 978-80-553-0412-0

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AFC001 [29824] **Corrosivity of atmosphere and its evaluation methods** / Maroš Halama, Jarmila Ševčíková - 2004. In: 11. International Students Day of Metallurgy. - Aachen : RWTH Aachen, 2004 P. 81-85.

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[HALAMA, Maroš (80%) - ŠEVČÍKOVÁ, Jarmila (20%)]

AFC003 [39065] **Elektrochemické vlastnosti kovov korodovaných v atmosfére** / Maroš Halama, Jarmila Ševčíková - 2005. In: METAL 2005. - Ostrava : Tanger, 2005 S. 1-6. - ISBN 8086840131

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AFC004 [39068] **Potenciálová analýza konštrukčných kovov korodovaných v atmosférických podmienkach** / Maroš Halama, Jarmila Ševčíková - 2005. In: METAL 2005. - Ostrava : Tanger, 2005 S. 1-5. - ISBN 8086840131

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AFC005 [43825] **Možnosti aplikácie UNS pri štúdiu atmosférickej korózie** / Maroš Halama, Jarmila Ševčíková - 2005. In: Víceúrovňový design pokrokových materiálů. - Brno : ÚFM AVČR, 2005 P. 237-242. - ISBN 8023961454

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[MILKOVIČ, Ondrej - NIŽNÍK, Štefan - HALAMA, Maroš]

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AFC009 [47340] **Korózia pozinkovaných rúrok v teplovodných okruhoch** / S. Tuleja ... [et al.] -

2006.In: Projektování a provoz povrchových úprav. - Praha : Zdeňka Jelínková-PPK, 2006 P. 73-78. - ISBN 8023962655

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AFC010 [49348] **Prediction of atmospheric corrosion of metals by artificial neural network** / M.

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AFC011 [62219] **Characterization of "run-off" effects of metal materials exposed at atmosphere using artificial neural network** / Maroš Halama, David Philipp Jerolitsch, Sašo Blažič - 2007.In:

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AFC012 [77969] **Atmospheric corrosion of structural metals - methods of prediction of corrosion attack** / Katerina Kreislova ... [et al.] - 2008.In: EUROCORR 2008. - Frankfurt am Main : DECHEMA,

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LESEBETTENS, Jeroen (20%)]

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AFC018 [96219] **Corrosion monitoring of Al-Zn alloy coated steels using ENA** / M. Halama ... [et al.] - 2010. - 1 elektronický optický disk (CD-ROM).In: Corrosion and material protection : 2nd international conference : proceedings : EFC event 322 under the auspices of ministry of education, youth and sports : 19.-22. April 2010, Prague, Czech Republic. - Praha : SVÚOM, 2010 P. 1-4. - ISBN 978-80-903933-6-3 [HALAMA, Maroš (50%) - JEROLITSCH, David (25%) - LINHARDT, Paul (10%) - BALÍ, Gunter (5%) - ORIŇÁKOVÁ, Renáta (5%) - BARGEROVA, Eva (5%)]

AFC019 [107926] **Quantification of risk assessment in nanomedicine: Determination of "run-off" effect of metallic nanoparticles in simulated body fluids** / Maroš Halama, Ondrej Milkovič, Udo Starzacher - 2011.In: Proceed with caution? : concept and application of the Precautionary principle in Nanobiotechnology : 20th February - 25th February 2011, Muenster, Germany. - Muenster : Westfälische Wilhelms-Universität Münster, 2011 P. 76-85. [HALAMA, Maroš (85%) - MILKOVIČ, Ondrej (10%) - STARZACHER, Udo (5%)]

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AFC021 [210402] **The effect of defect size and soil aggressivity on corrosion of underground oil & gas pipelines** / Maroš Halama ... [et al.] - 2019.In: I International Conference "Corrosion in the Oil and Gas Industry". - London (Veľká Británia) : Édition Diffusion Presse Sciences s. 1-4 [online]. Spôsob prístupu: <https://doi.org/10.1051/e3sconf/201912101006>.

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AFD002 [42382] **Dose-response funkcie a ich význam pri štúdiu atmosférickej korózie kovov** / Maroš Halama, Jarmila Ševčíková - 2005.In: Metalurgia Junior 2005. - Košice : Hutnícka fakulta TU v Košiciach, 2005 S. 72-75. - ISBN 8080732914

[HALAMA, Maroš (75%) - ŠEVČÍKOVÁ, Jarmila (25%)]

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[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (50%)]

AFD004 [59699] **Interdisciplinárny prístup pri odhade korózneho rizika** / Maroš Halama...[et al.] - 2007.In: Korózia úložných zariadení 2007. - Košice : TU, 2007 S. 60-64. - ISBN 9788080737955

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AFD005 [60773] **Degradácia nelegovanej konštrukčnej ocele v atmosfére C3** / Jarmila Ševčíková, Maroš Halama, František Timko - 2007.In: Korózia úložných zariadení 2007. - Košice : TU, 2007 S. 126-131. - ISBN 9788080737955

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AFD006 [60791] **Korózne vlastnosti ocele 11 523, exponovanej bez povrchovej ochrany v atmosfére** / Jarmila Ševčíková, Maroš Halama - 2007.In: Výskum a výučba na materiálových katedrách českých a slovenských vysokých škôl. - Trnava : STU, 2007 S. 54-58. - ISBN 9788080960162

[ŠEVČÍKOVÁ, Jarmila (50%) - HALAMA, Maroš (50%)]

AFD007 [63066] **Výroba nanočastíc Fe precipitáciou v zliatine Cu(Fe)** / Ondrej Milkovič, Maroš Halama, Štefan Nižník - 2007.In: Metalurgia Junior 2007. - Košice : HF TU, 2007 S. 23-26. - ISBN 9788080737948

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[ROMANOVOVÁ, Vladimíra (40%) - HALAMA, Maroš (30%) - ŠEVČÍKOVÁ, Jarmila (30%)]

AFD009 [110043] **Korózne vlastnosti zliatinových Ni galvanických povlakov a metodika ich stanovenia** / Rastislav Dzedzina, Mária Hagarová, Maroš Halama - 2011.In: Metalurgia Junior 2011 :

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AFD010 [111100] **Príspevok k bezpečnosti kovových nano-objektov a stav diskusie v SR** / Maroš

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AFD012 [121904] **Stanovenie korózných charakteristík zliatinového galvanického Ni-Co povlaku** /

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AFD013 [122706] **Korózný monitoring HDG plechov** / Maroš Halama, David Jerolitsch, Karol Koval' -

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AFD014 [136102] **Porovnanie korózneho stavu povrchu HDG plechov počas ponorových testov v**

**klasickej a ekologickej posypovej soli** / Maroš Halama, Karol Koval', Ľubomír Fedák - 2013.In: 55.

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STU, 2013 S. 32-38. - ISBN 978-80-227-3954-2

[HALAMA, Maroš (80%) - KOVAL', Karol (10%) - FEDÁK, Ľubomír (10%)]

AFD015 [171133] **Effective alarm model using non-invasive corrosion monitoring for risk**

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AFD016 [225868] **Microstructure characteristics, tribology and nano-hardness of hvof sprayed**

**nicrre coating** / Michal Ivor ... [et al.] - 2020.In: 17th International Symposium on Metallography,

Fractography and Materials Science. - Baech (Švajčiarsko) : Trans Tech Publications s. 435-439 [print,

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[IVOR, Michal (12%) - MEDVEĎ, Dávid (11%) - CHMIELEWSKI, Tomasz (11%) - TOBOTA, Konrad

(11%) - PIETRZAK, Katarzyna (11%) - CHMIELEWSKI, Marcin (11%) - HALAMA, Maroš (11%) -

KOTTFER, Daniel (11%) - DUSZA, Ján (11%)]

AFD017 [226600] **Microstructural and chemical analysis of military steel from world war II as part**

**of sculpture** / Michal Machciník ... [et al.] - 2020.In: Metallography and Fractography 17 : 17th

International Symposium on Metallography, Fractography and Materials Science (2019). - Baech

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[MACHCINIČ, Michal (30%) - HORŇAK, Peter (25%) - HALAMA, Maroš (25%) - BARTUSZ, Juraj (10%) -

KOVAL', Karol (10%)]

**AFE - Abstrakty pozvaných príspevkov zo zahraničných konferencií(1)**

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Spôsob prístupu: <http://www.vbripress.com/aamc/pages/page/abstracts-book>.  
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AFF001 [27335] **Vplyv zloženia a pH elektrolytu na mechanizmus elektrochemickej oxidácie Fe prášku** / Maroš Halama a Miriam Gálová - 2003.In: Chemické listy. Roč. 97, č. 8 (2003), s. 851. - ISSN 0009-2770  
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AFF002 [199479] **Investigation of mechanical and corrosion changes of lead-free aluminium alloys during natural aging** / Martin Fujda, Maroš Halama, Miloš Matvija - 2018.In: Corrosion and surface treatment in industry 2018 : book of abstracts. - Košice (Slovensko) : Technická univerzita v Košiciach, 2018 s. 36-37. - ISBN 978-80-553-3402-8  
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AFF003 [203713] **Nanosafety: Research, Development, Commercialisation and Ethical Aspects** / M. Halama ... [et al.] - 2018.In: New trends in chemistry : Trends in chemistry, research and education at Faculty of Science of P.J. Šafárik University in Košice : book of abstracts. - Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach s. 8-8 [online]. - ISBN 978-80-8152-666-4  
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**AFG - Abstrakty príspevkov zo zahraničných konferencií(14)**

AFG001 [29842] **Predúprava a stav povrchu práškového železa** / Maroš Halama a Miriam Gálová - 2004.In: Chemické listy. Vol. 98, no. 8 (2004), p. 719. - ISSN 0009-2770  
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AFG002 [50746] **Ultraspeed modeling of bimetallic compatibility of chosen structural metal materials** / M. Halama, J. Ševčíková - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 205. - ISSN 0543-5846  
[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (50%)]

AFG003 [50751] **Evaluation of potential data in form of gradient maps for corrosion research** / M. Halama, J. Ševčíková - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 205. - ISSN 0543-5846  
[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (50%)]

AFG004 [50881] **Corrosion resistivity of hot dip zinc coated steel in the atmosphere** / J. Ševčíková, M. Halama - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 204-204. - ISSN 0543-5846  
[ŠEVČÍKOVÁ, Jarmila (80%) - HALAMA, Maroš (20%)]

AFG005 [50887] **Galvanic corrosion of structural steels in atmospheric environment** / J. Ševčíková, M. Halama - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 205-205. - ISSN 0543-5846  
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[ŠEVČÍKOVÁ, Jarmila (60%) - TIMKO, František (20%) - HALAMA, Maroš (20%)]

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Ústav materiálov a inžinierstva kvality

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AFG009 [96208] **Comparative study of corrosion of iron nanoparticles loaded in different mesoporous silica matrix** / M. Halama, D. Halamová, V. Zeleňák - 2010. - 1 elektronický optický disk (CD-ROM).In: Corrosion and Material Protection : 2nd International Conference : Prague, 19th April 2010 - 22th April 2010. - Praha : SVÚOM, 2010 P. 1. - ISBN 978-80-903933-6-3

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AFG010 [96220] **Study of corrosion resistance of bimetallic couples under atmospheric conditions** / J. Ševčíková, M. Halama - 2010. - 1 elektronický optický disk (CD-ROM).In: Corrosion and Material Protection : 2nd International Conference : Prague, 19th April 2010 - 22th April 2010. - Praha : SVÚOM, 2010 P. 1. - ISBN 978-80-903933-6-3

[ŠEVČÍKOVÁ, Jarmila (50%) - HALAMA, Maroš (50%)]

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AFG013 [131585] **On the redox properties of Ag nanoparticles under simulated body conditions** / Maroš Halama ... [et al.] - 2013.In: Quality in nanosafety assessment - driving best practice and innovation : 2nd QNano Integrating Conference : 27th February - 1st March 2013, Prague, Czech Republic. - [Dublin : University College], 2013 P. 152.

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[HALAMA, Maroš (60%) - KUZMIAK, David, David (10%) - ĎUROVSKÝ, František (10%) - LACKO, Milan (10%) - KLIMKO, Jakub (5%) - SAKSL, Karol (5%)]

#### **AFH - Abstrakty príspevkov z domácich konferencií(12)**

AFH001 [27338] **Elektrochemické správanie sa kompaktného a práškového železa** / Maroš Halama, Miriam Gálová - 2004.In: SEMDOK 2004. - Žilina : Žilinská univerzita, 2004 S. 77-82. - ISBN 8080701784

[HALAMA, Maroš (95%) - GÁLOVÁ, Miriam (5%)]

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Fakulta materiálov, metalurgie a recyklácie

Ústav materiálov a inžinierstva kvality

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[HALAMA, Maroš (100%)]

AFH003 [111102] **Nekonvenčné usporiadanie elektrochemického šumu pre nedeštruktívny korózný monitoring** / Maroš Halama, David Jerolitsch, Andrea Fedorková - 2011.In: 53. Medzinárodná galvanická konferencia : zborník prednášok : 15. - 16.6.2011, Kočovce. - Bratislava : STU BA, 2011 S. 83. - ISBN 978-80-227-3525-4

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AFH004 [127458] **Assessment of redox state of metallic nanoparticles in simulated body conditions** / Maroš Halama ... [et al.] - 2012.In: Nanomaterials: Fundamentals and Applications : The 1st International Conference : Book of Abstracts : 2.-6.10.2012, Štrbské Pleso, Slovakia. - Košice : UPJŠ, 2012 S. 41. - ISBN 978-80-7097-970-9

[HALAMA, Maroš (60%) - FEDORKOVÁ, Andrea (10%) - RIEDIKER, Michael (10%) - SAUVAIN, Jean Jacques (10%) - ZHU, Ying (10%)]

AFH005 [134127] **The technique of non-destructive corrosion monitoring** / Maroš Halama, Karol Koval' - 2013.In: Corrosion of underground structures 2013 : Proceedings of the 18th International Conference : 23rd and 24th May 2013, Košice, Slovakia. - Košice : TU, 2013 S. 90. - ISBN 978-80-553-1418-1

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[HALAMA, Maroš (70%) - DUROVÁ, Mária (10%) - VOJTKO, Marek (10%) - TKÁČ, Ján (10%)]

AFH007 [147080] **The corrosion properties of the aluminium alloys and there composites** / Petra Lacková ... [et al.] - 2014.In: Corrosion in power industry 2014 : Proceedings of the 23rd International Conference : June 05th and 06th, 2014, Veľký Šariš, Slovakia. - Košice : TU, 2014 S. 21-21. - ISBN 978-80-553-1715-1

[LACKOVÁ, Petra (40%) - HALAMA, Maroš (40%) - BURŠÁK, Marián (10%) - DÚL, Gabriel (10%)]

AFH008 [199480] **The effect of defect dimension on prediction of life-time of gas pipeline from corrosion monitoring** / Maroš Halama, Emily Haluschak, Peter Hanzes - 2018.In: Corrosion and surface treatment in industry 2018 : book of abstracts. - Košice (Slovensko) : Technická univerzita v Košiciach, 2018 s. 40-40 . - ISBN 978-80-553-3402-8

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AFH009 [199481] **Corrosion properties of nanoparticles in biomedical applications** / Michal Ivor ... [et al.] - 2018.In: Corrosion and surface treatment in industry 2018 : book of abstracts. - Košice (Slovensko) : Technická univerzita v Košiciach, 2018 s. 41-42 . - ISBN 978-80-553-3402-8

[IVOR, Michal (20%) - HALAMA, Maroš (30%) - MRAŽÍKOVÁ, Anna (10%) - KLUZA, Kamil (20%) - MAKOWSKA-JANUSIK, Malgorzata (20%)]

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Ústav materiálov a inžinierstva kvality

[MACHCINÍK, Michal (30%) - HORŇAK, Peter (25%) - HALAMA, Maroš (25%) - BARTUSZ, Juraj (10%) - KOVAL', Karol (10%)]

AFH012 [213714] **Electron microscopy study and detail chemical analysis of structures of military stel from WWII as part of sculpture** / Michal Machciník ... [et al.] - 2019. In: Metallography and Fractography 2019 : Abstract Booklet. - Košice (Slovensko) : Technická univerzita v Košiciach s. 80-80 [print]. - ISBN 978-80-553-3285-7

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### **AGJ - Autorské osvedčenia, patenty, objavy(1)**

AGJ001 [87142] **Spôsob izolácie Fe nanočastíc elektrochemickou separáciou** patent č. 286895/ Ondrej Milkovič ... [et al.] - Banská Bystrica : ÚPV SR - 2009. - S. 3.

[MILKOVIČ, Ondrej (50%) - HALAMA, Maroš (10%) - NIŽNÍK, Štefan (20%) - LONGAUER, Svätobj (20%)]

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2008 [4] SOPKO, Martin Význam magnetických nanodrôtov Fe a ich príprava In: Metalurgia Junior 2008 : Košice S. 147-150 ISBN: 978-80-553-0037-5

2009 [4] SOPKO, Martin Dôležité vlastnosti a charakteristiky nanočastíc na báze železa In: Metalurgia Junior '09 : Deň doktorandov Hutníckej fakulty : zborník prednášok z konferencie : 17.-18. september 2009, Košice S. 47-50 ISBN: 978-80-553-0250-8

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### **BAB - Odborné monografie vydané v domácich vydavateľstvách(3)**

BAB001 [56156] **How to predict atmospheric corrosion?** / Maroš Halama, Petr Šmíd, Bernhard Egger - Košice : Equilibria, - 2006. - 68 s. - ISBN 80-8073-676-6.

[HALAMA, Maroš (34%) - ŠMÍD, Petr (33%) - EGGER, Bernhard (33%)]

BAB002 [215800] **Hydrogen+ Strategy for Košice Region** / Maroš Halama ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 72 s.. - ISBN 978-80-553-3520-9.

[HALAMA, Maroš (20%) - ZELENÁK, Vladimír (20%) - BRESTOVIČ, Tomáš (20%) - HEGEDUŠ, Peter (10%) - LEGEMZA, Jaroslav (10%) - ORIŇAK, Andrej (5%) - SAKSL, Karel (5%) - ORSÁGOVÁ KRÁLOVÁ, Zuzana (7%) - BARANOVÁ, Gabriela (2%) - KOPERDÁK, Sergej (1%)]

BAB003 [227869] **Vodíková stratégia pre Košický kraj +** / Maroš Halama ... [et al.] - 2. preprac. vyd. - Košice : Technická univerzita v Košiciach - 2021. - 76 s. [print]. - ISBN 978-80-553-3794-4.

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### **BCI - Skriptá a učebné texty(1)**

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[HALAMA, Maroš (60%) - SLOVENSKÝ, Peter (40%)]



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**BDF - Odborné práce v domácich nekarentovaných časopisoch(4)**

BDF001 [62530] **Vývoj metodiky na meranie potenciálových gradientových máp pre koróznny výskum** / M. Halama, J. Ševčíková - 2007.In: Acta Metallurgica Slovaca. Roč. 13, č. 3 (2007), s. 396-401. - ISSN 1335-1532  
[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (50%)]

BDF002 [77975] **Kovové nanočastice - odhad ich životnosti** / Maroš Halama, Ondrej Milkovič - 2008.In: Strojárstvo. Roč. 11, č. 11 (2008), s. 133/3-134/4. - ISSN 1335-2938 Spôsob prístupu: <http://www.engineering.sk>.  
[HALAMA, Maroš (80%) - MILKOVIČ, Ondrej (20%)]

BDF003 [158367] **Nedeštruktívne hodnotenie kvality tenkých organických povlakov a predikcia ich degradácie** / Maroš Halama ... [et al.] - 2015.In: Strojárstvo. Roč. 19, č. 5 (2015), s. 120-121. - ISSN 1335-2938  
[HALAMA, Maroš (60%) - ZHU, Ying (10%) - KOVAL', Karol (10%) - HALAMOVÁ, Dáša (10%) - JEROLITSCH, David (10%)]

BDF004 [231169] **Homogenita a reaktivita zmesi plynov s významným obsahom vodíka** / Maroš Halama ... [et al.] - 2021.In: SlovGas : slovenský odborný plynársky časopis. Roč. 30, č. 1 (2021), s. 58-60 [print]. - ISSN 1335-3853 Spôsob prístupu: <https://www.slovgas.sk/>.  
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**BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...)(6)**

BFA001 [173664] **Interaction of Ag nanoparticles with ascorbic acid as antioxidant in simulated body fluid** / Halama, M., Slovensky, P., Makowska-Janusik, M. - 2016.In: Kurt-Schwabe Symposium. - Frankfurt : DECHMA, 2016 P. 70-70.  
[HALAMA, Maroš (50%) - SLOVENSKÝ, Peter (30%) - MAKOWSKA-JANUSIK, Malgorzata (20%)]

BFA002 [173665] **The effect of deformation on corrosion properties of tin and aluminium cans in contact with food** / M. Halama, M. Sebek - 2016.In: 7th Kurt-Schwabe symposium. - Frankfurt : Dechema, 2016 P. 78-78.  
[HALAMA, Maroš (80%) - SEBEK, Martin (20%)]

BFA003 [191004] **Corrosion monitoring of gold and silver nanoobjects in drinking water vs. simulated body fluid** / M. Halama ... [et al.] - 2017.In: Nanotech/Biotech/Surtech Middle East 2017. - Dubai : Setcor, 2017 P. 68-69.  
[HALAMA, Maroš (70%) - MAKOWSKA-JANUSIK, Malgorzata (10%) - KOVALCIKOVA, Alexandra (10%) - VIOLANI, Valerio (10%)]

BFA004 [191007] **Corrosion of sintered iron-manganese alloys in Hank's solution** / Miriam Kupkova, Maroš Halama, Andrea Morovska-Turonova - 2017.In: Eurocorr 2017. - Praha : Dechema, 2017 P. 1-1.  
[KUPKOVA, Miriam (60%) - HALAMA, Maroš (30%) - MOROVSKA-TURONOVA, Andrea (10%)]

BFA005 [191009] **Prediction of redox properties and life-time of metallic nanoobjects in simulated body conditions** / Maroš Halama, Malgorzata Makowska-Janusik, Alexandra Kovalcikova - 2017.In: Eurocorr 2017. - Praha : Dechema, 2017 P. 1-1.  
[HALAMA, Maroš (60%) - MAKOWSKA-JANUSIK, Malgorzata (30%) - KOVALCIKOVA, Alexandra (10%)]

BFA006 [199551] **The role of atmospheric aggressivity on barrier efficiency of organic coatings during service and prediction of their life-time** / Maroš Halama ... [et al.] - 2018.In: EUROCRR 2018

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Ústav materiálov a inžinierstva kvality

: the annual event of the European Federation of Corrosion. - Gdansk (Poľsko) : Polish Corrosion Society s. [1-1] [online].

[HALAMA, Maroš (70%) - KOVAL', Karol (10%) - KOVALČIKOVA, Alexandra (10%) - BARANOVÁ, Gabriela (10%)]

**FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (10)**

FAI001 [71535] **Korózia v energetike 2008** : 20. medzinárodná konferencia : zborník : 29.-30.4.2008, Košice / Maroš Halama, Jarmila Ševčíková - 1. vyd - Košice : TU, - 2008. - 88 s. - ISBN 973-80-553-0020-7.

[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (40%)]

FAI002 [84179] **Korózia úložných zariadení 2009** korózia - rizikový faktor prevádzky potrubných sietí : zborník 16. medzinárodnej konferencie : 19. - 20. máj 2009, Košice / Maroš Halama, Jarmila Ševčíková - 1. vyd - Košice : TU, HF - 2009. - 132 s. - ISBN 978-80-553-0192-1.

[HALAMA, Maroš (50%) - ŠEVČÍKOVÁ, Jarmila (50%)]

FAI003 [96876] **Korózia v energetike 2010** zborník 21. medzinárodnej konferencie : 25. - 26. máj 2010, Košice/ Maroš Halama, Jarmila Ševčíková - 1. vyd - Košice : TU - 2010. - 138 s. - ISBN 978-80-553-0412-0.

[HALAMA, Maroš (60%) - ŠEVČÍKOVÁ, Jarmila (40%)]

FAI004 [109968] **Korózia úložných zariadení 2011** zborník 17. medzinárodnej konferencie : 24. - 25. máj 2011, Košice/ Maroš Halama - 1. vyd - Košice : TU - 2011. - 110 s.. - ISBN 978-80-553-0670-4.

[HALAMA, Maroš (100%)]

FAI005 [121751] **Korózia v energetike 2012** zborník 22. medzinárodnej konferencie/ Maroš Halama - Košice : TU, HF - 2012. - 120 s.. - ISBN 978-80-553-0912-5.

[HALAMA, Maroš (100%)]

FAI006 [134125] **Korózia úložných zariadení 2013** zborník 18. medzinárodnej konferencie/ Maroš Halama - [1. vyd.] - Košice : TU - 2013. - 100 s.. - ISBN 978-80-553-1418-1.

[HALAMA, Maroš (100%)]

FAI007 [156169] **Materials Science Forum** Volume 811 : Corrosion in Power Industry/ Maroš Halama, Jan Stoulil - [1. vyd.] - Pfaffikon : Trans Tech Publications - 2015. - 99 p..

[HALAMA, Maroš (50%) - STOULIL, Jan (50%)]

FAI008 [162994] **Corrosion and Surface Treatment in Industry 2015** Proceedings of International Conference : 30th september - 2nd October 2015/ Maroš Halama ... [et al.] - 1. vyd. - Košice : TU - 2015. - 98 s.. - ISBN 978-80-553-2196-7.

[HALAMA, Maroš (40%) - STOULIL, Jan (20%) - HÍVEŠ, Jan (20%) - HADZIMA, Branislav (20%)]

FAI009 [171132] **Material Science Forum vol. 844 : Corrosion and Surface Treatment in Industry** International conference : Liptovský Mikuláš, September 30th-October 2nd, 2015/ Maroš Halama - 1. vyd - Pfaffikon : Trans Tech Publications Ltd. - 2016. - 210 p.. - ISBN 978-3-03835-525-0.

[HALAMA, Maroš (100%)]

FAI010 [197476] **Corrosion and surface treatment in industry 2018** book of abstracts/ Maroš Halama - 1. vyd. - Košice : Technická univerzita v Košiciach - 2018. - 65 s.. - ISBN 9788055334028.

[HALAMA, Maroš (100%)]

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*Podklady k habilitačnému konaniu*

**VÝPIS Z DATABÁZ CCC, WOS A SCOPUS**

**Record 1 of 11****Title:** Mechanical surface smoothing of micron-sized iron powder for improved silica coating performance as soft magnetic composites**Author(s):** Slovensky, P (Slovensky, Peter); Kollar, P (Kollar, Peter); Mei, NX (Mei, Nanxuan); Jakubcin, M (Jakubcin, Milos); Zelenakova, A (Zelenakova, Adriana); Halama, M (Halama, Maros); Wallinder, IO (Wallinder, Inger Odnevall); Hedberg, YS (Hedberg, Yolanda S.)**Source:** APPLIED SURFACE SCIENCE **Volume:** 531 **Article Number:** 147340 **DOI:** 10.1016/j.apsusc.2020.147340 **Published:** NOV 30 2020**Accession Number:** WOS:000566335800001**Author Identifiers:**

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Halama, Maros	C-6529-2011	0000-0002-2424-3643

**ISSN:** 0169-4332**eISSN:** 1873-5584**Record 2 of 11****Title:** Anti-corrosive surface effect of ascorbic acid caused on the ZnO nanoparticles - Experimental and theoretical investigations**Author(s):** Mydlova, L (Mydlova, Lucia); Kluza, K (Kluza, Kamil); Halama, M (Halama, Maros); Makowska-Janusik, M (Makowska-Janusik, Malgorzata)**Source:** APPLIED SURFACE SCIENCE **Volume:** 483 **Pages:** 562-571 **DOI:** 10.1016/j.apsusc.2019.03.324 **Published:** JUL 31 2019**Accession Number:** WOS:000471105000063**Author Identifiers:**

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Halama, Maros	C-6529-2011	0000-0002-2424-3643
Makowska-Janusik, Malgorzata		0000-0002-0946-0025

**ISSN:** 0169-4332**eISSN:** 1873-5584**Record 3 of 11****Title:** MECHANICAL AND CORROSION PROPERTIES OF ALUMINIUM ALLOY EN AW 6082 AFTER SEVERE PLASTIC DEFORMATION (SPD)**Author(s):** Lackova, P (Lackova, P.); Bursak, M (Bursak, M.); Kvackaj, T (Kvackaj, T.); Halama, M (Halama, M.)**Source:** METALURGIJA **Volume:** 54 **Issue:** 1 **Pages:** 181-183 **Published:** JAN-MAR 2015**Accession Number:** WOS:000341740000045**Author Identifiers:**

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**ISSN:** 0543-5846**eISSN:** 1334-2576**Record 4 of 11****Title:** Hall Effect in ZnO Extrinsic Structure**Author(s):** Dolnik, B (Dolnik, B.); Kurimsky, J (Kurimsky, J.); Marton, K (Marton, K.); Kolcun, M (Kolcun, M.); Tomco, L (Tomco, L.); Briancin, J (Briancin, J.); Fabian, M (Fabian, M.); Halama, M (Halama, M.); Vojtko, M (Vojtko, M.); Rajnak, M (Rajnak, M.)**Source:** ACTA PHYSICA POLONICA A **Volume:** 126 **Issue:** 1 **Pages:** 76-77 **DOI:** 10.12693/APhysPolA.126.76 **Published:** JUL 2014**Accession Number:** WOS:000339833100035**Conference Title:** 15th Czech and Slovak Conference on Magnetism (CSMAG)**Conference Date:** JUN 17-21, 2013**Conference Location:** Kosice, SLOVAKIA**Conference Sponsors:** P J Safarik Univ, Fac Sci, Slovak Acad Sci, Inst Expt Phys, Slovak Phys Soc, Union Czech Mathematicians & Physicists, Czech Phys Soc, Quantum Design, LOT Oriel Grp Europe, Cryogen Ltd, Cryosoft s r o, ChromSpec Slovakia s r o, SEVT a s, Mineralne vody a s, Tech Univ, Slovak Magnet Soc**Author Identifiers:**

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**Title:** QUANTIFICATION OF CORROSION ACTIVITY ON HDG STEEL SHEETS DURING CYCLIC DIP TESTS IN CLASSICAL AND ECOLOGICAL SALT SOLUTIONS  
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