

Universitatea “Babes-Bolyai” din Cluj Napoca
 Facultatea de Chimie si Inginerie Chimica
 Departamentul de Inginerie Chimica
Conf. dr. Carmen Ioana Fort

LISTA DE LUCRĂRI

a) Articole/studii in extenso, publicate in reviste din fluxul stiintific international principal ISI: (*I.F. = factor de impact revistă)

	Title / authors	AP	Q	IF
1.	Ofentse Ramonnye, Carmen Ioana Fort, Foster Mbaiwa, Lucian Baia, Graziella Liana Turdean, Meldola’s Blue immobilised onto mesoporous carbon aerogel surface as non-enzymatic electrode matrix for sensitive hydrogen peroxide determination, <i>Electrochimica Acta</i> , 547(2026)147857. https://doi.org/10.1016/j.electacta.2025.147857	C	Q1	5.6
2.	Rami Doukeh, Maria Lehene, Cezara Zagrean-Tuza, Augustin C. Mot, Radu Silaghi-Dumitrescu, Codruta Sarosi, Carmen Ioana Fort, Graziella Liana Turdean, Madalina Pandele, Gheorghe Borodi, Luminița Daniela Movileanu, Catalytic Activation of Molecular Nitrogen by Enzyme-Inspired Metal–Organic Catalysts, <i>J. Phys. Chem. C</i> , 129(2025)20517–20533. https://doi.org/10.1021/acs.jpcc.5c05271		Q3	3.2
3.	Juan S. Hidalgo, Shoaib Mukhtar, Ottó Horváth, Nikoletta Kovacs, Luis Hidalgo, Javier E. Vilasó-Cadre, Iván A. Reyes-Domínguez, Kornél Rácz, Imran Uddin, Ildiko Galambos, C. Ioana Fort, Graziella L. Turdean, Nanocomposite matrix based on gerhardtite-type copper (II) hydroxy nitrate and ZnO/CeO2 nanoparticles-a sensitive platform for aminomethylphosphonic acid detection, <i>Electrochimica Acta</i> , 540(2025)147255. https://doi.org/10.1016/j.electacta.2025.147255	C	Q1	5.6
4.	Javier E. Vilasó-Cadre, Juan Hidalgo-Viteri, Alondra Ramírez-Rodríguez, Ilse A. López-Álvarez, Graziella L. Turdean, C. Ioana Fort, Ioan Petean, Aislinn M. Teja-Ruiz, Iván A. Reyes-Domínguez, Roel Cruz, Ti-MOF/chitosan nanocomposite – A sensing electrode matrix for the detection of dithiocarbamates in mining samples, <i>Electrochimica Acta</i> , 538(2025)147037. https://doi.org/10.1016/j.electacta.2025.147037		Q1	5.6
5.	A.M. Rostas, R.C. Suci, M.C. Roșu, A. Turza, D.V. Cosma, S. Tripon, C.I. Fort, V. Danciu, M. Baia, A. Bocirnea, E. Indrea, Annealing temperature, a key factor in shaping Ag-decorated TiO2 aerogels as efficient visible-light photocatalysts, <i>Materials Chemistry and Physics</i> , 337(2025)130557. https://doi.org/10.1016/j.matchemphys.2025.130557	C	Q2	4.7
6.	C.A. Sălăgean, L.C. Cotet, M. Baia, C.I. Fort, G.L. Turdean, L. Barbu-Tudoran, M.D. Lazar, L. Baia, Influence of Precursors on Physical Characteristics of MoS2 and Their Correlation with Potential Electrochemical Applications. <i>Materials</i> 2025, 18, 2111. https://doi.org/10.3390/ma18092111		Q3	3.2
7.	C.I. Fort; A. Sanou, M. Coulibaly, K.B. Yao, G.L. Turdean, Green modified electrode for sensitive simultaneous heavy metal ions electrodedetection,	P	Q1	7.7

	Sensors and Actuators B: Chemical, 418 (2024) 136326. https://doi.org/10.1016/J.SNB.2024.136326			
8.	C.I. Fort, C.S.A. Cobzac, G.L. Turdean, Conductive polymer-based modified electrode for total antioxidant capacity determination, <i>Microchemical Journal</i> , 2024 https://doi.org/10.1016/J.MICROC.2024.110309	P	Q1	5.1
9.	C.I. Fort, M.M. Rusu, L.C. Cotet, A. Vulpoi, M. Todea, M. Baia, L. Baia, The Impact of Ar or N2 Atmosphere on the Structure of Bi-Fe-Carbon Xerogel Based Composites as Electrode Material for Detection of Pb ²⁺ and H ₂ O ₂ , <i>Gels</i> , 10 (2024) 230. https://doi.org/10.3390/GELS10040230	P	Q1	5.3
10.	J. Hidalgo, C.I. Fort, I. Galambos, H. Jankovics, L. Hidalgo, G.L. Turdean, TiO ₂ aerogel - A sensing electrode matrix for the sensitive detection of diclofenac sodium, <i>Microchemical Journal</i> , 207 (2024) 111855. http://doi.org/10.1016/j.microc.2024.111855	C	Q1	5.1
11.	E. Goncarenco, I.P. Morjan, C. Fleaca, E. Dutu, A. Criveanu, C. Viespe, A.C. Galca, A.V. Maraloiu, M.S. Stan, C.I. Fort, M. Scarisoreanu, The Influence of SnO ₂ and Noble Metals on the Properties of TiO ₂ for Environmental Sustainability, <i>Sustainability</i> , 16 (2024) 2904. https://doi.org/10.3390/SU16072904	C	Q2	3.3
12.	A. Sanou, M. Coulibaly, S.R. N'dri, T.L. Tămaș, L. Bizo, T. Frentiu, E. Covaci, K. Désiré Martial Abro, P. Jean-Marie Richard Dablé, K.B. Yao, C.I. Fort, G.L. Turdean, Raw clay material-based modified carbon paste electrodes for sensitive heavy metal detection in drinking water, <i>Journal of Materials Science</i> 59 (2024) 13961–13977. https://doi.org/10.1007/S10853-024-09945-2	C	Q2	3.9
13.	J.S. Hidalgo, É. Tóth, H. Jankovics, C.I. Fort, G.L. Turdean, E. Tombacz, I. Galambos, Bioengineered Flagellin–TiO ₂ Nanoparticle-Based Modified Glassy Carbon Electrodes as a Highly Selective Platform for the Determination of Diclofenac Sodium. <i>Chemosensors</i> , 11 (2023) 576. https://doi.org/10.3390/chemosensors11120576		Q2	3.7
14.	M.M. Rusu, C.I. Fort, A. Vulpoi, L. Barbu-Tudoran, M. Baia, L.C. Cotet, L. Baia, Ultrasensitive Electroanalytical Detection of Pb ²⁺ and H ₂ O ₂ Using Bi and Fe—Based Nanoparticles Embedded into Porous Carbon Xerogel — The Influence of Nanocomposite Pyrolysis Temperatures. <i>Gels</i> , 9 (2023) 868. https://doi.org/10.3390/gels9110868	C	Q1	5.3
15.	A. Belcovici, C.I. Fort, L.E. Mureșan, I. Perhaița, G. Borodi, G.L. Turdean, Zinc oxide nanostructured platform for electrochemical detection of heavy metals, <i>Electroanalysis</i> , 35 (2023) e202200395, https://doi.org/10.1002/elan.202200395		Q2	2.3
16.	M.M. Rusu, A. Vulpoi, I. Maurin, L.C. Cotet, L.C. Pop, C.I. Fort, M. Baia, L. Baia, I. Florea, Thermal Evolution of C–Fe–Bi Nanocomposite System: From Nanoparticle Formation to Heterogeneous Graphitization Stage, <i>Microscopy and Microanalysis</i> , 28 (2022) 317–329. https://doi.org/10.1017/S1431927622000241		Q1	3
17.	C.I. Fort, S.C.A. Cobzac, G.L. Turdean, Second-order derivative of square-wave voltammetry for determination of vanillin at platinum electrode, <i>Food Chemistry</i> , 385 (2022) 132711. https://doi.org/10.1016/j.foodchem.2022.132711	P	Q1	9.8
18.	R. Barabás, C.I. Fort, G.L. Turdean, L. Bizo, Influence of HAP on the morpho-		Q2	2.4

	structural properties and corrosion resistance of zro ₂ -based composites for biomedical applications, <i>Crystals</i> 11 (2021) 1–16 202 https://doi.org/10.3390/cryst11020202			
19.	T.T. Hien Ngo , I.C. Fort , T.H. Pham , G.L. Turdean , Ordered Mesoporous Silica Incorporating Platinum Nanoparticles as Electrode Material for Paracetamol Detection, <i>Electroanalysis</i> , 33 (2021) 323–335. https://doi.org/10.1002/elan.202060131		Q2	2.3
20.	C.I. Fort , M.M. Rusu , L.C. Cotet , A. Vulpoi, I. Florea, S. Tuseau-Nenez, M. Baia, M. Baibarac , L. Baia , Carbon Xerogel Nanostructures with Integrated Bi and Fe Components for Hydrogen Peroxide and Heavy Metal Detection, <i>Molecules (Basel, Switzerland)</i> 26(1) (2020) 117. https://doi.org/10.3390/molecules26010117	P	Q2	4.6
21.	M. Scarisoreanu, A. Ilie, E. Goncarenco, A. Banici, I. Morjan, E. Dutu, E. Tanasa, Cl. Fort, M. Stan, C. Mihailescu, C. Fleaca, Ag, Au and Pt decorated TiO ₂ biocompatible nanospheres for UV & vis photocatalytic water treatment, <i>Applied Surface Science</i> 509 (2020) 145217. https://doi.org/10.1016/j.apsusc.2019.145217		Q1	6.9
22.	M.M. Rusu, C.I. Fort, L.C. Cotet, A. Vulpoi, M. Todea, G.L. Turdean, V. Danciu, I.C. Popescu, L. Baia, Insights into the morphological and structural particularities of highly sensitive porous bismuth-carbon nanocomposites based electrochemical sensors, <i>Sensors & Actuators: B. Chemical</i> , 628 (2018) 398-410. https://doi.org/10.1016/j.snb.2018.04.103	P,C	Q1	7.7
23.	M. Scarisoreanu, C. Fleaca, I. Morjan, A.-M. Niculescu, C. Luculescu, E. Dutu, A. Ilie, I. Morjan, L.G. Florescu, E. Vasile, C.I. Fort, High photoactive TiO ₂ /SnO ₂ nanocomposites prepared by laser pyrolysis, <i>Applied Surface Science</i> 418(2017)491-498. https://doi.org/10.1016/j.apsusc.2016.12.122		Q1	6.9
24.	M.M. Rusu, R.A. Wahyuono, C.I. Fort, A Dellith, J. Dellith, A. Ignaszak, A. Vulpoi, V. Danciu, B. Dietzek, L. Baia, Impact of drying procedure on the morphology and structure of TiO ₂ xerogels and the performance of dye sensitized solar cells, <i>Journal of Sol-Gel Science and Technology</i> 81(3)(2017)693-703. https://doi.org/10.1007/s10971-016-4237-3	C	Q2	3.2
25.	C.I. Fort, L.C. Cotet, F. Vasiliu, P. Marginean, V. Danciu, I.C. Popescu, Methanol oxidation at carbon paste electrodes modified with (Pt-Ru)/carbon aerogels nanocomposites, <i>Materials Chemistry and Physics</i> , 172(2016)179-188. https://doi.org/10.1016/j.matchemphys.2016.01.061	P,C	Q2	4.7
26.	C.I. Fort, R. Ortiz, L.C. Cotet, V. Danciu, I.C. Popescu, L. Gorton, Carbon Aerogel as Electrode Material for Improved Direct Electron Transfer in Biosensors Incorporating Cellobiose Dehydrogenase, <i>Electroanalysis</i> 28(10)(2016)2311-2319. https://doi.org/10.1002/elan.201600219	P,C	Q2	2.3
27.	C.I. Fort, L.C. Cotet, A. Vulpoi, G.L. Turdean, V. Danciu, L. Baia, I.C. Popescu, Bismuth doped carbon xerogel nanocomposite incorporated in chitosan matrix for ultrasensitive voltammetric detection of Pb(II) and Cd(II), <i>Sensors and Actuators, B: Chemical</i> , 220 (2015) 712-719. https://doi.org/10.1016/j.snb.2015.05.124	P,C	Q1	7.7
28.	G.L. Turdean, I.C. Fort, V. Simon, In vitro short-time stability of a bioactive glass-chitosan composite coating evaluated by using electrochemical methods, <i>Electrochimica Acta</i> , 182(2015)707-714.		Q1	5.6

	https://doi.org/10.1016/j.electacta.2015.09.132			
29.	D. Bamba, M. Coulibaly, C.I. Fort, C.L. Coteț, Z. Pap, K. Vajda, E.G. Zoro, N.A. Yao, V. Danciu, D. Robert, Synthesis and characterization of TiO ₂ /C nanomaterials: Applications in water treatment, Physica Status Solidi (B) 252(11)(2015)2503-2511. https://doi.org/10.1002/pssb.201552219	C	Q3	1.8
30.	C.I. Fort, Zs. Pap, E. Indrea, L. Baia, V. Danciu, M. Popa, Pt/N-TiO ₂ Aerogel Composites Used for Hydrogen Production Via Photocatalysis Process, Catalysis Letters, 144 (2014)1955-1961, https://doi.org/10.1007/s10562-014-1353-y	P,C	Q3	2.4
31.	L.C. Cotet, K. Briceño, C.I. Fort, V. Danciu, R. Garcia-Valls, D. Montané, Preparation, characterization and gas permeation investigation of resorcinol-formaldehyde polymer or carbon xerogels/tubular ceramic composites, Acta Chimica Slovenica; 60(2)(2013)343-50		Q3	1.3
32.	C.I. Fort, L.C. Cotet, V. Danciu, G. Turdean, I. C. Popescu, Iron doped carbon aerogel - New electrode material for electrocatalytic reduction of H ₂ O ₂ , Materials Chemistry And Physics, 138 (2013) 893-898. https://doi.org/10.1016/J.MATCHEMPHYS.2012.12.079		Q2	4.7
33.	L.C. Cotet, C.I. Fort, V. Danciu, A. Maicaneanu, Alpha-Cypermethrin Pesticide Adsorption on Carbon Aerogel and Aerogel, Separation Science and Technology, 48(2013)2649-2658, https://doi.org/10.1080/01496395.2013.805782		Q3	2.3
34.	I.C. Ladiu, I.C. Popescu, Lo Gorton, NADH Electrocatalytic Oxidation at Carbon Paste modified Electrodes with Meldola Blue Adsorbed on Zirconium Phosphate, J. Solid State Electrochem., 9 (2005) 296-303. https://doi.org/10.1007/S10008-004-0618-6	P	Q3	2.6
35.	Hien Ngo, T.T., Fort, I.C., Pham, T.H., Turdean, G.L., Paracetamol detection at a graphite paste modified electrode based on platinum nanoparticles immobilised on Al-SBA-15 composite material, STUDIA UBB CHEMIA, 65 (2020), 27-38. https://doi.org/10.24193/subbchem.2020.1.03			0.5
36.	L. Stingescu, C. Cadar, L.C. Cotet, L. Baia, K. Saszetd, K. Magyarid, A.G. Mihis, C.I Fort, M. Stroea, E. Matei, A. Nila, I. Anghel, M. Baiac, M. Baibarac, V. Danciu, Morphological and structural investigation of the poly(vinylchloride)/graphene oxide composites, STUDIA UBB CHEMIA, 65(3) (2020), 245-258. https://doi.org/10.24193/subbchem.2020.3.19			0.5
37.	I. C. Fort, G. L Turdean, R. Barabás, D. Popa , A. Ispas , M. Constantiniuc , Study of the hydrogen peroxide based whitening gel on the corrosion of dental metallic alloys, Studia Universitatis Babes-Bolyai Chemia 2019, 64(1):125-133. https://doi.org/10.24193/subbchem.2019.1.10	P		0.5
38.	Fort, C.I., Coteț, L.C., Turdean, G.L., Danciu, V., Meldola blue immobilised on mesoporous carbon aerogel - New electrode material for NADH electrocatalytic oxidation, Studia Universitatis Babes-Bolyai Chemia 60(3)(2015)215-224.	P,C		0.5
39.	Silai, I.E., Fort, I.C., Casoni, D., Turdean, G.L., Epinephrine detection at Pt-nanoparticles modified graphite electrode by square-wave voltammetry, Revue Roumaine de Chimie 60(7-8)(2015)689-696			0.6
40.	I.C. Fort, I.E. Silai, D. Casoni, G.L. Turdean, Electrochemical study of isoprenaline and epinephrine at platinum-nanoparticles-chitosan modified	P		0.5

	graphite electrode, Studia Universitatis Babes-Bolyai Chemia 01/2013; 4(58):193			
41.	L.C Cotet, C. I. Fort, V. Danciu, Influence Of Tubular TiO ₂ -ZrO ₂ Ceramic Support On The Morpho-Structural Properties Of The Undoped And Cu Doped Carbon Xerogels., Studia Ubb Chemia, 3(2012) 73-80			0.5
42.	C.I. Fort, I.C. Popescu, NADH oxidation at Meldola Blue modified glassy carbon electrodes. A comparative study, Studia UBB CHEMIA, 56(2011) 255-264	P,C		0.5
43.	D. Georgescu, Zs. Pap, M. Baia, C.I. Fort, V. Danciu, G. Melinte, L. Baia, S. Simon, Photocatalytic activity of highly porous TiO ₂ -AG materials, Studia Universitatis Babes-Bolya Chemia, 56 (2011) 51-58.			0.5
44.	C.I. Ladiu, R. Garcia, I.C. Popescu, L. Gorton, NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on acidic alpha-Titanium Phosphate, Revista de chimie, 58(2007)465-469	P	Q3	1.7
45.	C.I. Ladiu, R. Garcia, I.C. Popescu, L. Gorton, NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on acidic alpha-Zirconium Phosphate, Rev. Roum. Chim., 52(2007)67-74	P		0.6
46.	I.C. Ladiu, V. Danciu, V. Cosoveanu, A. Rustoiu-Csavdari, P. Lianos, Photodegradation of Basic Blue 45 Dye on Undoped and doped TiO ₂ Films, Rev. Roum. Chim. 47(12) (2002) 1247-1253	P,C		0.4
47.	I.C. Ladiu, V. Danciu, V. Cosoveanu, P. Lianos, Pure and doped mesoporous TiO ₂ films made from reverse micelles and their use for the photocatalytic degradation of adsorbed Basic Blue dye Studia Universitatis Babes-Bolya Chemia, 46, 1(2), (2001) 233 – 246	P		0.5

Unde AP* – autor principal; P – prim autor, C – autor de corespondenta, Q si IF sunt cei indicati de WoS in august 2024;

b) Teza de doctorat:

Titlul: **Oxidarea catalitică a NADH pe electrozi compoziți, modificați cu Meldola Blue, imobilizat pe materiale semiconductoare**, februarie 2007;

Coordonator: Prof. Dr. Ionel Cătălin Popescu.

Instituția gazdă: Universitatea Babeș-Bolyai, Facultatea de Chimie și Inginerie Chimică

c) Brevete de invenție și alte titluri de proprietate industrială:

1. Patent obținut de la Oficiul Român de Patente (OSIM): Nr. 1037524/23.10.2017,
Titlul: „*Obtaining process of resorcinol-formaldehyde xerogel / ceramic and carbon xerogel / ceramic composites*”.

Autori: L.C. Cotet, **C.I. Fort**, V. Danciu

Proprietar: Babes-Bolyai University (Romania).

2. Patent obținut de la Oficiul Român de Patente (OSIM): Nr. 133255B1/27.11.2020

Titlul: „*Procedeu de obținere a materialelor compozite de tipul cărbune nanoporos/grafen/nanoparticule de bismut și fier/oxid de titan cu proprietăți analitice și de fotodegradare*”

Autori: L.C. Cotet, L.G. Baia, **C.I. Fort**, L.C. Pop, M. Rusu

Proprietar: Babes-Bolyai University (Romania).

d) Capitole de carte:

1. **C.I. Fort**, L.C. Cotet, L.C. Pop, M. Baia, L. Baia, "Advanced graphene based materials for electrochemical biomarker and protein detection" in the book "Graphene - Chemistry

and Applications", ISBN 978-1-83769-283-5, edited by Dr. Enos Wamalwa Wambu, IntechOpen 2023.

2. **C. I. Fort**, L. C. Pop, Heavy metal and metalloid electrochemical detection by composite nanostructures, in *Advanced Nanostructures for Environmental Health*, edited by L. Baia, Z. Pap, K. Hernadi, M. Baia, Elsevier, 2019, pages 185-250
3. L.C. Cotet, **C.I. Fort**, L.C. Pop, M. Baia, L. Baia, "Insights Into Graphene-Based Materials as Counter Electrodes for Dye-Sensitized Solar Cells" in "Dye-Sensitized Solar Cells. Mathematical modeling, and Materials design and optimization", Pub. Date: 2019, Edited by M. Soroush, K.K.S. Lau, ISBN: 978-0-12-814541-8, pag. 341-397, Academic Press, Elsevier.

Scientific papers - journals from international data base:

1. C. Cadar, **C.I. Fort**, A. Mihis, Zs. Kedves, K. Magyari, L. Baia, M. Baia, M. C. Dudescu, I. Olteanu, L.C. Cotet, V. Danciu, APTES functionalized graphene oxide for silane-based consolidation treatments to increase mortar performances, *Journal of Nanoscience and Nanotechnology*, 21(2021) 2351-2359. <https://doi.org/10.1166/jnn.2020.18958> (IF 1.13)
2. **C.I. Fort**, Mihai M. Rusu, Lucian C. Pop, Liviu C. Cotet, Adriana Vulpoi, Monica Baia, Lucian Baia, Preparation and characterization of carbon xerogel based composites for electrochemical sensing and photocatalytic degradation, *Journal of Nanoscience and Nanotechnology*, 21 (2021) 2323-2333. <https://doi.org/10.1166/jnn.2021.18963> (IF 1.13)
3. M Rusu, G Kovács, C Cotet, **I Fort**, A Vulpoi, L Baia, Zs Pap, V Danciu, N-TiO₂-Ag Based Porous Structures: Photocatalytic, Morphological and Structural Properties, *J. Surf. Interf. Mater.*4 (2014) 305
4. **C.I. Ladiu**, I.C. Popescu, R. Garcia, L. Gorton, Electrocatalytic Oxidation of NADH at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on amorphous and crystalline Zirconium Phosphate, *Chem. Bull. Politehnica (Univ. Timisoara)*, 49(2005)51.
5. E.Grünwald, V. Danciu, V. Cosoveanu, **C.I. Ladiu**, Vergleichende Untersuchungen über cyanidfreie Zinkelektrolyte mit Natrium-bzv. Kaliumhydroxid. II. Eigenschaften der Electrolyte *Galvanotechnik*, 92(3)(2001) 651-657 (EID:2-s2.0-0035274466)
6. Grünwald E., Jumatate N., Danciu V., Cosoveanu V., **Ladiu I.C.**, Natrium- és káliumhidroxid tartalmú lúgos, cianidmentes horgonyfürdők összehasonlító vizsgálata III. Horganybevonatok tulajdonságai, *Korozios Figuelo*, 41(1)(2001)11-17 (EID:2-s2.0-0035049563)
7. E. Grünwald, V. Danciu, V. Coşoveanu, C.I. Ladiu, N. Jumate, Vergleichende Untersuchungen über cyanidfreie Zinkelectro-lyte mit Natrium-bzv. Kaliumhydroxid. III. Eigenschaften abgeschiedener Zinkuberzuge, *Galvanotechnik*, 92(5)(2001) 1237-1247.
8. V. Danciu, V. Cosoveanu, E. Grünwald, **I.C. Ladiu**, "The Regal AZ -type additives influence on zinc electrodeposition from weak-acid electrolyte" *U.P.B. Sci. Bull., Series B*, 63(3) (2001) 83-92(EID:2-s2.0-0035736166)
9. V. Danciu, V. Cosoveanu, E. Grünwald, V. Andronic, M. Dronca, **I.C. Ladiu** Influenta aditivilor de tip AZ-Regal asupra electrodepunerii zincului din electrolit pe baza de ZnCl₂ *Buletinul Ştiinţific (Univ. de Nord, Baia-Mare), seria B, Chimie-Biologie, XIV*, (2001) 26-33
10. V. Danciu, V. Cosoveanu, **C.I. Ladiu**, E. Grünwald, Vergleichende Untersuchungen über cyanidfreie Zinkelektrolyte mit Natrium-bzv. Kaliumhydroxid. I. Allgemeine Beobachtungen *Galvanotechnik* 91(12)(2000)3364-3373 (EID:2-s2.0-0000431162)

11. V. Danciu, V. Cosoveanu, **I.C. Ladiu** , E. Grünwald, Natrium es kalium hidroxid tartalmu lugos, cianidmentes horgonyfurdok osszehasonlito vizsgalata. I. Altalanos megfigyelesek, Korrozios Figyelo, 40(5)(2000)167-174 (Comparative testing of cyanide-free electrolytes containing sodium and potassium hydroxide as well as zinc salt. I. General observations)(EID:2-s2.0-0033757445)
12. V. Danciu, V. Cosoveanu, **I.C. Ladiu** , E. Grünwald, Natrium es kalium hidroxid tartalmu lugos, cianidmentes horgonyfurdok osszehasonlito vizsgalata.. II. Műszaki paraméterek vizsgálata, Korrozios Figyelo, 40(6)(2000)203-206. (Comparative testing of cyanide-free electrolytes containing sodium and potassium hydroxide as well as zinc salt. II.
13. V. Danciu, V. Cosoveanu, E. Barabas, **I.C. Ladiu**, Influence of ultrasounds in electrochemical processes, Studia Universitatis Babes-Bolyai Chemia, 44(1)(1999) 225-234

f) Publicatii in extenso, aparute in lucrari ale principalelor conferinte internationale de specialitate:

1. L.C. Cotet, **C.I. Fort**, V. Danciu, A. Maicananu, Cu and Cd Adsorption on Carbon Aerogel and Aerogel, Proceedings of the 16th International Conference on Heavy Metals in the Environment, Roma, Italy 2012, Volume: 1 Published: **2013**, <http://doi.org/10.1051/e3sconf/20130125007>
2. A. Nicoara, V. Cosoveanu, **I.C. Ladiu**, L. Baia, M. Baia, L. Muresan, I. Stamatina, V. Danciu, *Zirconia Aerogel - Polymetalate Composites Synthesis with Applications in Solid Oxide/Acid Fuel Cells*, Clean Technology **2008**, Proceedings [Chapter 5: Fuel Cell & Hydrogen Technologies](#), Pages:298 - 301
3. **C.I. Ladiu**, I.C. Popescu, R. Garcia, Lo Gorton, *Electrocatalytic oxidation of NADH at glassy carbon paste electrodes modified with Meldola Blue adsorbed on crystalline zirconium and titanium phosphate*, Proc. of the Roumanian International Conference on Chemistry and Chemical Engineering XIV, Bucharest, 22-24 Sept. **2005**, Secțiunea 10, p. 11-18

g) Alte lucrari si contributii stiintifice

Peste 60 participari la conferinte nationale si internationale (prezentari orale sau poster)

Data

Dr. Carmen Ioana Fort

17.12.2025