



ROMÂNIA
UNIVERSITATEA BABEŞ-BOLYAI CLUJ-NAPOCA

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RECTORATUL

Universitatea Babeş-Bolyai Competiția Excelenței 2010

Dosar individual

Notă: Toate datele se referă la perioada 2005-2009

Nume, prenume, grad did.	POPESCU IONEL CATALIN, profesor
Facultatea, Catedra	Chimie si Inginerie Chimica, Chimie fizică
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Criteriaul I – Output

1. Articole științifice publicate în reviste indexate ISI (cu menționarea factorului de impact în cazul celor cotate)

1. Comparative study of copper electrodeposition from sulphate acidic electrolytes in the presence of IT-85 and of its components, J. Appl. Electrochem., 35, 69 (2005), S. Varvara, L. Muresan, I. C. Popescu and G. Maurin.
Coeficient de impact 1.541
2. Computer-Controlled System for ISEs Automatic Calibration, Sens. & Actuators, B, 105, 521 (2005), S. A. Dorneanu, V. Coman, I. C. Popescu and P. Fabry
Coeficient de impact 3.12
3. Electrocatalytic Oxidation of NADH at Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on Zirconium Phosphate. Effect of Ca⁺² and Polyethyleneimine, J. Solid State Electrochem., 9, 296 (2005), C. I. Ladiu, I. C. Popescu and L Gorton.
Coeficient de impact 1.910
4. Electrosynthesis of nitroso compounds from (1S, 2S)-2-amino-1-(4-nitrophenyl)-propane-1,3-diol derivatives, J. Appl. Electrochem., 35, 851 (2005) , C.V. Cristea, C. Moinet, M. Jitaru and I.C. Popescu.
Coeficient de impact 1.541
5. Organic phase PPO biosensor based on hydrophilic films of electropolymerized polypyrrole, Electrochim. Acta, 50, 3713 (2005), C. Cristea, Ch. Mousty, S. Cosnier and I. C. Popescu.
Coeficient de impact 3.078
6. Deposition of CdS Thin Films by Nonstationary Electrochemical Techniques, Rev. Chim., 56, 382, (2005), P. Ilea, S. A. Dorneanu and I. C. Popescu.
Coeficient de impact 0.389
7. Formate Dehydrogenase-Modified Carbon Paste Electrodes for Formate Amperometric Detection, Rev. Roumaine Chim., 51, 25 (2006), F.-D. Munteanu, D. Gligor, I. C. Popescu and Lo Gorton.
Coeficient de impact 0.284
8. Synthesis and Structural Characteristics of Carbon Aerogels with a High Content of Fe, Co, Ni, Cu, and Pd, J. Non-Crystalline Solids, 352, 2772 (2006), L. C. Cotet, M. Gich, A. Roig, I. C. Popescu, V. Cosoveanu, E. Molins and V. Danciu

- Coefficient de impact 1.449
9. Iron(III) protoporphyrin IX – single-wall carbon nanotubes modified electrodes for hydrogen peroxide and nitrite detection, *Electrochim. Acta*, 51, 6435 (2006), G. L. Turdean, I. C. Popescu, A. Curulli, G. Palleschi.
- Coefficient de impact 3.078
10. Kinetic characterization of Prussian Blue-modified graphite electrodes for amperometric detection of hydrogen peroxide, *J. Appl. Electrochem.*, 36, 1327 (2006), R. Cretu, D. Gligor, L. Muresan, I. C. Popescu and L. M. Muresan.
- Coefficient de impact 1.541
11. Electrochemical behavior of Carbon Paste Electrodes Modified with Methylene Green Immobilized on two different X type Zeolites, *J. Appl. Electrochem.*, 37, 261 (2007), D. Gligor, L. M. Muresan, A. Dumitru and I. C. Popescu.
- Coefficient de impact 1.541
12. Structural Properties of Some Transition Metal Highly Doped Carbon Aerogel, *J. Alloy Compounds*, 434–435, 854–857 (2007), L. C. Cotet, M. Baia, L. Baia, I. C. Popescu, V. Cosoveanu, E. Indrea, J. Papp and V. Danciu.
- Coefficient de impact 1.510
13. Synthesis of Meso- and Macroporous Carbon Aerogels, *Rev. Roumaine Chim.* 52, 1077 (2007), L. C. Cotet, V. Danciu, V. Cosoveanu, I. C. Popescu, A. Roig and E. Molins.
- Coefficient de impact 0.284
14. Correlations between Electrochemical Activity of Phenothiazine Derivatives Modified Graphite Electrodes and Some Structural and Molecular Characteristics, *Rev. Roumaine Chim.*, 52, 823 (2007), O. Horovitz, D. Gligor and I. C. Popescu.
- Coefficient de impact 0.284
15. NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on acidic α -Zirconium Phosphate, *Rev. Roumaine Chim.*, 52, 67 (2007), C. I. Ladiu, J. R. García, I. C. Popescu and L. Gorton.
- Coefficient de impact 0.284
16. NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on *alpha*-Titanium Phosphate, *Rev. Chim.*, 58, 465 (2007), C. I. Ladiu, R. Garcia, I. C. Popescu and L. Gorton.
- Coefficient de impact 0.389
17. New electrode materials based on functionalized polypyrrole, *J. Optoelectron. Adv. Mat.*, 10, 2271 (2008), I. Craciunescu, A. Nan, R. Turcu, L. Gorton and I. C. Popescu.
- Coefficient de impact 0.577
18. Meso-tetraferrocenyl-tetramethylcalix[4]pyrrole-modified graphite electrode with anion recognition properties, *Rev. Roumaine Chim.*, 53, 119, (2008), V. Coman, L. M. Muresan, S. Lozovanu, L. Silaghi-Dumitrescu and I. C. Popescu.
- Coefficient de impact 0.284
19. Electrochemical behaviour of a new triiron-substituted polyoxomolybdate, *J. Appl. Electrochem.*, 38, 751 (2008), G. L. Turdean, A. Patrut, L. David and I. C. Popescu.
- Coefficient de impact 1.541
20. Amine oxidase amperometric biosensor coupled to liquid chromatography for biogenic amines determination, *Microchim. Acta*, 163, 219 (2008), L. Mureşan, R. R. Valera, I. Frébort, I. C. Popescu, E. Csöregi and M. Nistor.
- Coefficient de impact 1.910
21. Carbon paste electrodes modified with a new phenothiazine derivative adsorbed on zeolite and on mineral clay for NADH oxidation, *Mat. Chem. Phys.*, 113, 283 (2009), D. Gligor, F. Balaj, A. Maicaneanu, R. Gropeanu, I. Grosu, L. Muresan and I.C. Popescu.
- Coefficient de impact 1.799
22. Photoelectrocatalytic Oxidation of NADH at a Graphite Electrode Modified with a New Polymeric Phenothiazine, *Electroanalysis*, 21, 360 (2009), D. Gligor, Y. Dilgin, I. C. Popescu and Lo Gorton.
- Coefficient de impact 2.900
23. Poly-Phenothiazine Derivative-Modified Glassy Carbon Electrode for NADH Electrocatalytic Oxidation, *Electrochim. Acta*, 54, 3124 (2009), D. Gligor, Y. Dilgin, I. C. Popescu and L. Gorton.
- Coefficient de impact 3.078

24. Electrochemical Characterization of Bis-(10HPhenothiazin-3-Yl)-Methane Derivatives Obtained by Microwave Assisted Organic Synthesis, *J. New Materials Electrochem. Systems*, 12, 233 (2009), C. Cristea, G. Cormoș, D. Gligor, I. Filip, L. Mureșan and I. C. Popescu.
Coefficient de impact 0.670
25. Influence of Si content and thermal treatment temperature on structural and photocatalytic properties of titania-silica aerogels, *J. Optoelectron. Adv. Mat. Symposia*, 1, 6 (2009), A. Peter, L. Baia, V. Cosoveanu, M. Baia, E. Indrea, I. C. Popescu and V. Danciu.
Coefficient de impact 0.577
26. Reagentless Amperometric Biosensor for NADH Detection, *Rev. Roumaine Chim.*, 54, 755 (2009), Laura Mureșan, M. Nistor, E. Csöregi and I. C. Popescu.
Coefficient de impact 0.289
27. Monitoring of glucose and glutamate using enzyme microstructures and scanning electrochemical microscopy, *Bioelectrochem.*, 76, 81 (2009) Laura Mureșan, Mihaela Nistor, Szilveszter Gáspár, Ionel Cătălin Popescu, Elisabeth Csöregi.
Coefficient de impact 2.444
28. Influence of the Electrode Material on the Electrochemical Behavior of Carbon Paste Electrodes Modified with Meldola Blue and Methylene Green Adsorbed on a Synthetic Zeolite, *Electroanalysis*, 22, 509 (2010) Delia Gligor, Izabella Craciunescu, Ionel Catalin Popescu and Lo Gorton.
Coefficient de impact 2.900
29. Graphite Electrodes Modified with 3,7-di(*m*-aminophenyl)-10-ethyl-phenothiazine, *Stud. Univ. "Babes-Bolyai", Chem.*, 52, 11 (2007), V. Lates, D. Gligor, L. Muresan, I. C. Popescu, R. Gropeanu and I. Grosu.
Coefficient de impact 0
30. Microwave-assisted synthesis and electrochemical behaviour of phenothiazine-formaldehyde polymer derivative, *Stud. Univ. "Babeș-Bolyai", Chem.*, 52, 23, (2007), C. Cristea, G. Cormoș, L. Găină, L. Silaghi-Dumitrescu, D. Gligor, L. Mureșan and I. C. Popescu.
Coefficient de impact 0
31. The influence of the heat treatment on the photoactivity of the TiO₂-SiO₂ aerogels, *Stud. Univ. "Babeș-Bolyai", Chem.*, 52, 105 (2007), A. Peter, I. C. Popescu, E. Indrea, P. Marginean and V. Danciu.
Coefficient de impact 0
32. Photocatalytic activity of metal doped TiO₂ aerogels prepared by sol-gel process, *Stud. Univ. "Babeș-Bolyai", Chem.*, 52, 131 (2007), M. Popa, I. C. Popescu and V. Danciu.
Coefficient de impact 0
33. Amperometric Biosensors for Glucose and Ethanol Determination in Wine Using Flow Injection Analysis, *Studia Univ. Babeș-Bolyai, Chemia* 53, 71 (2008), Laura Mureșan, Kinga Judith Zor, Mihaela Nistor, Elisabeth Csöregi and I. C. Popescu.
Coefficient de impact 0
34. Amperometric Biosensor for Ethanol Based on a Phenothiazine Derivative Modified Carbon Paste Electrode, *Studia Univ. Babeș-Bolyai, Chemia* 53, 55 (2008), Delia Gligor, Elisabeth Csöregi and I. C. Popescu.
Coefficient de impact 0
35. Synthesis and electrochemical behaviour of bis-(10-ethylphenothiazinyl)-phenylmethane, *Studia Univ. Babeș-Bolyai, Chemia* 53, 15 (2008), Delia Gligor, Liana Muresan, I. C. Popescu, Castelia Cristea, and Gabriela Cormos.
Coefficient de impact 0
36. Caractérisation opérationnelle d'un biocapteur ampérométrique pour la détection de l'anion nitrate, *Studia Univ. Babeș-Bolyai, Chemia* 53, 63 (2008), A. M. Todea, Liana Maria Mureșan and I. C. Popescu.
Coefficient de impact 0
37. New [4.4.4]cyclophane as ionophore for ion-selective electrodes, *Studia Univ. Babeș-Bolyai, Chemia* 53, 113 (2008), Lidia Varvari, I. C. Popescu and S. A. Dorneanu.
Coefficient de impact 0

2. Articole științifice publicate în ISI proceedings

1. Electrochemical oxidation of NADH at glassy carbon paste electrodes modified with Meldola Blue adsorbed on crystalline zirconium and titanium phosphate, *Proc. of the Roumanian International*

3. Articole științifice indexate în BDI (din lista CNCSIS)

4. Alte articole științifice/capitole publicate în reviste/volume cu referenți (peer-reviewed)

1. Liana Mureșan, Ionel Cătălin Popescu, Caius Bulea, Horațiu Vermeșan, Corrosion behavior of composite coatings obtained by co- electrodeposition of Zn with TiO₂ nanoparticles, *Coroziune si Protectie Anticoroziiva*, 2, 2007, 22-26.
2. I. Zamblau, S. Varvara, I.C. Popescu, C. Bulea, Liana Muresan, Acoperiri compozite obținute prin codepunerea electrolitică a cuprului cu nanoparticule de Al₂O₃, *Coroziune si Protectie Anticoroziiva*, 3, 2008, 35-39.
3. I. Zamblau, I.C. Popescu, S. Varvara, L.M. Muresan, Corrosion of Cu-SiO₂ nanocomposite deposits obtained by electrodeposition in the presence of surfactants, *Coroziune si Protectie anticoroziiva*, 4, 2009, 42-53.

5. Cărți științifice publicate în edituri internaționale

1. "Kinetic Aspects of Electrical Communication in Amperometric Biosensors", V. Rosca, I. C. Popescu, in "New Developments in Electrochemistry Research", M. Nunez (ed.), Nova Science Publishers, New York, 28 p, ISBN 1-59454-544-8, 2005

6. Cărți științifice publicate în edituri naționale acreditate

1. "Biosenzori amperometrici. Teorie si aplicatii", G. L. Turdean, S. E. Stanca, I. C. Popescu, Presa univ. clujeana, 240 p, ISBN 973-610-359-5, 2005

7. Editor de volume publicate în edituri naționale și internaționale

8. Brevete internaționale

9. Brevete naționale

1. Obtaining procedure of zinc sulphide thin films with luminescence properties, No. 122546/28.08.2009, E-J. Popovici, M. V. Lădar, R. Pușcaș, I. C. Popescu si E. Indrea.

10. Impact tehnologic al brevetelor: resurse financiare extrabugetare atrase în relație cu economia

11. Realizări artistice naționale și internaționale (Domeniul Arte)

(Expoziții, spectacole, concerte, publicații, filme, înregistrări)

Criteriaul II – Prestigiu profesional

1. Citări ale articolelor ISI listate la Criteriaul I (TOTAL 73)

Record 09

Title: **Poly-phenothiazine derivative-modified glassy carbon electrode for NADH electrocatalytic oxidation**

Author(s): Gligor, D; Dilgin, Y; Popescu, IC; Gorton, L

Source: **ELECTROCHIMICA ACTA** Volume: 54 Issue: 11 Pages: 3124-3128 Published: APR 15 2009

Results: 1

Title: Pd (core)-Au (shell) nanoparticles catalyzed conversion of NADH to NAD(+) by UV-vis spectroscopy- A kinetic analysis

Author(s): Gopalan A, Ragupathy D, Kim HT, et al.Source: **SPECTROCHIMICA ACTA PART A- MOLECULAR AND**

BIOMOLECULAR SPECTROSCOPY Volume: 74 Issue: 3 Pages: 678-684 Published: OCT 15 2009

Times Cited: 0

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000265342100027&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=6

Record 11

Title: **Carbon paste electrodes modified with a new phenothiazine derivative adsorbed on zeolite and on mineral clay for NADH oxidation**

Author(s): Gligor, D; Balaj, F; Maicaneanu, A; Gropeanu, R; Grosu, I; Muresan, L; Popescu, IC

Source: **MATERIALS CHEMISTRY AND PHYSICS** Volume: 113 Issue: 1 Pages: 283-289 Published: JAN 15 2009

Results: 2

1. Title: A novel bacterial cellulose-based carbon paste electrode and its polyoxometalate-modified properties

Author(s): Liang Y, He P, Ma YJ, et al. Source: **ELECTROCHEMISTRY COMMUNICATIONS** Volume: 11 Issue: 5 Pages:

1018-1021 Published: **MAY 2009**

Times Cited: 0

2. Title: Highly sensitive sensor for detection of NADH based on catalytic growth of Au nanoparticles on glassy carbon electrode

Author(s): Tang L, Zeng GM, Shen GL, et al. Source: **ANALYTICAL AND BIOANALYTICAL CHEMISTRY** Volume: 393

Issue: 6-7 Pages: 1677-1684 Published: **MAR 2009**

Times Cited: 2

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000262343500053&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=8

Record 12

Title: **Amine oxidase amperometric biosensor coupled to liquid chromatography for biogenic amines determination**

Author(s): Muresan, L; Valera, RR; Frebort, I; Popescu, IC; Csoregi, E; Nistor, M

Source: **MICROCHIMICA ACTA** Volume: 163 Issue: 3-4 Pages: 219-225 Published: OCT 2008

Results: 2

1. Title: Preparation and Characterization of Cadaverine Sensitive Nylon Threads

Author(s): Kivirand K, Rincken T Source: **SENSOR LETTERS** Volume: 7 Issue: 4 Pages: 580-585 Published: **AUG 2009**

Times Cited: 0

2. Title: Determination of biogenic amines by capillary electrophoresis using a chameleon type of fluorescent stain

Author(s): Steiner MS, Meier RJ, Spangler C, et al. Source: **MICROCHIMICA ACTA** Volume: 167 Issue: 3-4 Pages: 259-

266 Published: **DEC 2009**

Times Cited: 0

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000260526300011&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=17

Record 19

Title: **Synthesis of meso- and macroporous carbon aerogels**

Author(s): Cotet, LC ; Danciu, V; Cosoveanu, V; Popescu, IC; Roig, A; Molins, E

Source: **REVUE ROUMAINE DE CHIMIE** Volume: 52 Issue: 11 Pages: 1077-1081 Published: NOV 2007

Results: 1

Author(s): Dumitru A, Morozaan A, Ghiurea M, et al.

Conference Information: 8th International Conference on Trends in Nanotechnology (TNT2007), SEP 03-07, 2007 San

Sebastian, SPAIN Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: 205 Issue:

6 Pages: 1484-1487 Published: **JUN 2008**

Times Cited: 1

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000257602800010&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=27

Record 20

Title: **Electrochemical behaviour of a new triiron-substituted polyoxomolybdate**

Author(s): Turdean, GL; Patrut, A; David, L; Popescu, IC

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: 38 Issue: 6 Pages: 751-758

Published: JUN 2008

Results: 1

Title: Fabrication of carbon paste electrode containing [PF₆W₁₁O₃₉](4-) polyoxoanion supported on modified

amorphous silica gel and its electrocatalytic activity for H₂O₂ reduction

Author(s): Hamidi H, Shams E, Yadollahi B, et al. Source: **ELECTROCHIMICA ACTA** Volume: 54 Issue:

12 Pages: **3495-**

3500 Published: **APR 30 2009**

Times Cited: **0**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000255752100003&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=22

Record 21

Title: **Rhodium stabilized Prussian Blue-modified graphite electrodes for H₂O₂ amperometric detection**

Author(s): Muresan, L; Turdean, GL; Popescu, IC

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: 38 Issue: 3 Pages: 349-355

Published: MAR 2008

Results: 2

1. Title: Synthesis hexagonal -Ni(OH)₂ nanosheets for use in electrochemistry sensors

Author(s): Fang B, Gu AX, Wang GF, et al. Source: **MICROCHIMICA ACTA** Volume: 167 Issue: 1-2

Pages: **47-52**

Published: **NOV 2009**

Times Cited: **0**

2. Title: Vertically Aligned CuO Nanowires Based Electrode for Amperometric Detection of Hydrogen Peroxide

Author(s): Jia W, Guo M, Zheng Z, et al. Source: **ELECTROANALYSIS** Volume: 20 Issue: 19 Pages:

2153-2157

Published: **SEP 2008**

Times Cited: **4**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000254089600010&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=23

Record 22

Title: **NADH electrocatalytic oxidation at glassy carbon paste electrodes modified with meldola blue adsorbed on acidic alpha-zirconium phosphate**

Author(s): Ladiu, CI; Garcia, JR; Popescu, IC; Gorton, L

Source: **REVUE ROUMAINE DE CHIMIE** Volume: 52 Issue: 1-2 Pages: 67-74 Published: JAN-FEB 2007

Results: 1

Title: Electrochemical Study of Functionalization on the Surface of a Chitin/Platinum-modified Glassy Carbon Paste

Electrode

Author(s): Sugawara K, Yugami A, Terui N, et al. Source: **ANALYTICAL SCIENCES** Volume: 25 Issue: 11

Pages: **1365-**

1368 Published: **NOV 2009**

Times Cited: **0**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000247608100005&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=36

Record 23

Title: **NADH electrocatalytic oxidation at glassy carbon paste electrodes modified with Meldola blue adsorbed on alpha-titanium phosphate**

Author(s): Ladiu, CI; Garcia, R; Popescu, IC; Gorton, L

Source: **REVISTA DE CHIMIE** Volume: 58 Issue: 5 Pages: 465-469 Published: MAY 2007

Results: 1

Title: Differential Accumulation of Gold and other Metals by Plants

Author(s): Florev RM, Stoica AI, Ionica M, et al. Source: **REVISTA DE CHIMIE** Volume: 59 Issue: 9 Pages: 1019-1021

Published: **SEP 2008**

Times Cited: 0

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000247220300008&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=34

Record 24

Title: **Structural properties of some transition metal highly doped carbon aerogels**

Author(s): Cotet, LC; Baia, A; Baia, L; Popescu, IC; Cosoveanu, V; Indrea, E; Popp, J; Danciu, V

Source: **JOURNAL OF ALLOYS AND COMPOUNDS** Volume: 434 Pages: 854-857 Published: MAY 31 2007

Results: 3

1. Title: Hydrogen electrosorption on the carbon-metal composite electrodes

Author(s): Skowronski JM, Osinska M

Conference Information: 51st Congress of PTCH and SITPChem, SEP 08-11, 2008 Opole, POLAND Source: **PRZEMYSL**

CHEMICZNY Volume: 88 Issue: 4 Pages: 385-388 Published: **APR 2009**

Times Cited: 0

2. Title: Synthesis and Properties of Phloroglucinol-Phenol-Formaldehyde Carbon Aerogels and Xerogels

Author(s): Jirglova H, Perez-Cadenas AF, Maldonado-Hodar FJ Source: **LANGMUIR** Volume: 25 Issue: 4 Pages: 2461-

2466 Published: **FEB 17 2009**

Times Cited: 0

3. Title: Development of microporous carbon xerogels by controlling synthesis conditions

Author(s): Zubizarreta L, Arenillas A, Dominguez A, et al. Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: 354

Issue: 10-11 Pages: 817-825 Published: **FEB 1 2008**

Times Cited: 8

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000246286900217&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=33

Record 25

Title: **Electrochemical behavior of carbon paste electrodes modified with methylene green immobilized on two different X type zeolites**

Author(s): Gligor, D; Muresan, LM; Dumitru, A; Popescu, IC

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: 37 Issue: 2 Pages: 261-267

Published: FEB 2007

Results: 6

1. Title: Carbon paste electrodes in the new millennium

Author(s): Svancara I, Walcarius A, Kalcher K, et al. Source: **CENTRAL EUROPEAN JOURNAL OF CHEMISTRY** Volume: 7

Issue: 4 Pages: 598-656 Published: **DEC 2009**

Times Cited: 0

2. Title: Photoelectrocatalytic Oxidation of NADH at a Graphite Electrode Modified with a New Polymeric Phenothiazine

Author(s): Gligor D, Dilgin Y, Popescu IC, et al.

Conference Information: 12th International Conference on Electroanalysis, JUN 16-19, 2008 Prague, CZECH

REPUBLIC Source: **ELECTROANALYSIS** Volume: 21 Issue: 3-5 Pages: 360-367 Published: **FEB 2009**

Times Cited: 1

3. Title: Carbon paste electrodes modified with a new phenothiazine derivative adsorbed on zeolite and on mineral

clay for NADH oxidation

Author(s): Gligor D, Balaj F, Maicaneanu A, et al. Source: **MATERIALS CHEMISTRY AND PHYSICS**

Volume: **113** Issue: **1**

Pages: **283-289** Published: **JAN 15 2009**

Times Cited: **2**

4. Title: Graphite electrodes modified with 3,7-di(m-aminophenyl)-10-ethyl-phenothiazine

Author(s): Lates V, Gligor D, Muresan L, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI**

CHEMIA Volume: **52**

Issue: **1** Pages: **11-17** Published: **2007**

Times Cited: **0**

5. Title: Electroanalytical applications of microporous zeotites and mesoporous (Organo)silicas: Recent trends

Author(s): Walcarius A Source: **ELECTROANALYSIS** Volume: **20** Issue: **7** Pages: **711-738** Published:

APR 2008

Times Cited: **16**

Title: Electrocatalytic detection of NADH and ethanol at glassy carbon electrode modified with electropolymerized

films from methylene green

6. Author(s): Dai ZH, Liu FX, Lu GF, et al. Source: **JOURNAL OF SOLID STATE ELECTROCHEMISTRY**

Volume: **12** Issue: **2**

Pages: **175-180** Published: **FEB 2008**

Times Cited: **5**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000243277400011&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=35

Record 26

Title: **Kinetic characterization of Prussian Blue-modified graphite electrodes for amperometric detection of hydrogen peroxide**

Author(s): Cretu, RC; Gligor, DM; Muresan, L; Popescu, IC; Muresan, LM

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: **36** Issue: **12** Pages: **1327-1332**

Published: **DEC 2006**

Results: 5

1. Title: Modified graphites: Application to the development of enzyme-based amperometric biosensors

Author(s): Horozova E, Dodevska T, Dimcheva N Source: **BIOELECTROCHEMISTRY** Volume: **74** Issue:

2 Pages: **260-264**

Published: **FEB 2009**

Times Cited: **0**

2. Title: Analysis of hydrogen peroxide and an organic hydroperoxide via the electrocatalytic Fenton reaction

Author(s): Laine DF, Cheng IFS Source: **MICROCHEMICAL JOURNAL** Volume: **91** Issue: **1** Pages: **78-81**

Published: **JAN**

2009

Times Cited: **1**

3. Title: Hydrogen peroxide as a reductant of hexacyanoferrate(III) in alkaline solutions: kinetic studies

Author(s): Katafias A, Impert O, Kita P Source: **TRANSITION METAL CHEMISTRY** Volume: **33** Issue: **8**

Pages: **1041-1046**

Published: **NOV 2008**

Times Cited: **0**

4. Title: CTAB-promoted Prussian blue-modified electrode and its cation transport characteristics for K⁺, Na⁺, Li⁺, and

NH₄⁺ ions

Author(s): Vittal R, Kim KJ, Gomathi H, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume:

112 Issue: **4**

Pages: **1149-1156** Published: **JAN 31 2008**

Times Cited: **2**

5. Title: 'One-step' simplified electrochemical sensing of TATP based on its acid treatment

Author(s): Munoz RAA, Lu DL, Cagan A, et al. Source: **ANALYST** Volume: **132** Issue: **6** Pages: **560-565**

Published: **2007**

Times Cited: **11**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000242938400003&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=38

Record 27

Title: **Iron(III) protoporphyrin IX - single-wall carbon nanotubes modified electrodes for hydrogen peroxide and nitrite detection**

Author(s): Turdean, GL; Popescu, IC; Curulli, A; Palleschi, G

Source: **ELECTROCHIMICA ACTA** Volume: 51 Issue: 28 Pages: 6435-6441 Published: SEP 15 2006

Results: 15

1. Title: Hybrid Materials from Carbon Nanotubes, Nickel Tetrasulfonated Phthalocyanine and Thin Polymer Layers

for the Selective Electrochemical Activation of Nitric Oxide in Solution

Author(s): Gutierrez AP, Griveau S, Richard C, et al. Source: **ELECTROANALYSIS** Volume: 21 Issue: 21 Pages: 2303-

2310 Published: **NOV 2009**

Times Cited: 0

2. Title: Redox reactions of dissolved substances on amalgamated platinum electrode modified with adsorbed porphyrin

Author(s): Khanova LA Source: **RUSSIAN JOURNAL OF ELECTROCHEMISTRY** Volume: 45 Issue: 10 Pages: 1206-

1210 Published: **OCT 2009**

Times Cited: 0

3. Title: Synthesis, characterization and alcohol oxidation properties of multi-wall carbon nanotubes functionalized

with a cobalt(II) Schiff base complex

Author(s): Salavati-Niasari M, Bazarganipour M Source: **TRANSITION METAL CHEMISTRY** Volume: 34 Issue: 6 Pages:

605-612 Published: **SEP 2009**

Times Cited: 0

4. Title: Selective amperometric sensing of hydrogen peroxide with Nafion/copper particulates chemically modified electrode

Author(s): Kumar AS, Sornambikai S Source: **INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIOINORGANIC**

PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 48 Issue: 7 Pages: 940-945

Published: **JUL 2009**

Times Cited: 0

5. Title: Electrochemistry of Hemin Self-Assembled from Aqueous Hexadecyltrimethylammonium Bromide (CTAB)

Solution on Single-Wall-Carbon-Nanotube-Modified Glassy Carbon Electrodes

Author(s): Liu JW, Qiu JX, Sun K, et al. Source: **HELVETICA CHIMICA ACTA** Volume: 92 Issue: 3 Pages: 462-469

Published: **2009**

Times Cited: 0

6. Title: Carbon Nanotubes, Phthalocyanines and Porphyrins: Attractive Hybrid Materials for Electrocatalysis and

Electroanalysis

Author(s): Zagal JH, Griveau S, Ozoemena KI, et al. Source: **JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY**

Volume: 9 Issue: 4 Pages: 2201-2214 Published: **APR 2009**

Times Cited: 5

7. Title: Direct electron transfer of Horseradish peroxidase on porous structure of screen-printed electrode

Author(s): Teng YJ, Zuo SH, Lan MB

Conference Information: International Workshop on GPCRs - From Deorphanisation to Lead Structure Identification, MAY,

2006 Berlin, GERMANY Source: **BIOSENSORS & BIOELECTRONICS** Volume: 24 Issue: 5 Special Issue: **Sp. Iss. SI**

Pages: 1353-1357 Published: **JAN 1 2009**

Times Cited: 1

8. Title: Direct electrochemistry and electrocatalysis of heme proteins on SWCNTs-CTAB modified electrodes

Author(s): Wang SF, Xie F, Liu GDS Source: **TALANTA** Volume: 77 Issue: 4 Pages: 1343-1350 Published: **FEB 15 2009**

Times Cited: 2

9. Title: Preparation of Hemin-Immobilized Layer-by-Layer Films on the Surface of Glassy Carbon Electrodes as Hydrogen Peroxide Sensors
 Author(s): Wang BZ, Anzai J, Gong WL, et al. Source: **SENSORS AND MATERIALS** Volume: **20** Issue: **5** Pages: **221-230**
 Published: **2008**
 Times Cited: **1**
10. Title: A facile preparation of H₂O₂ sensors using layer-by-layer deposited thin films composed of poly (ethyleneimine) and carboxymethyl cellulose as matrices for immobilizing hemin
 Author(s): Wang BZ, Du XY, Wang MQ, et al. Source: **ELECTROANALYSIS** Volume: **20** Issue: **9** Pages: **1028-1031**
 Published: **MAY 2008**
 Times Cited: **3**
11. Title: Glassy carbon electrodes modified with single walled carbon nanotubes and cobalt phthalocyanine and nickel tetrasulfonated phthalocyanine: Highly stable new hybrids with enhanced electrocatalytic performances
 Author(s): Silva JF, Griveau S, Richard C, et al. Source: **ELECTROCHEMISTRY COMMUNICATIONS** Volume: **9** Issue: **7**
 Pages: **1629-1634** Published: **JUL 2007**
 Times Cited: **15**
12. Title: Room temperature ionic liquid carbon nanotube paste electrodes: Overcoming large capacitive currents using rotating disk electrodes
 Author(s): Kachosangi RT, Wildgoose GG, Compton RGS Source: **ELECTROANALYSIS** Volume: **19** Issue: **14** Pages: **1483-1489** Published: **JUL 2007**
 Times Cited: **12**
13. Title: Carbon nanotubes and porphyrins: an exciting combination for optoelectronic devices
 Author(s): Langa F, Gomez-Escalonilla MJ, de la Cruz P Source: **JOURNAL OF PORPHYRINS AND PHTHALOCYANINES** Volume: **11** Issue: **5-6** Pages: **348-358** Published: **2007**
 Times Cited: **10**
14. Title: Application of thionine-nation supported on multi-walled carbon nanotube for preparation of a modified electrode in simultaneous voltammetric detection of dopamine and ascorbic acid
 Author(s): Shahrokhian S, Zare-Mehrjardi HRS Source: **ELECTROCHIMICA ACTA** Volume: **52** Issue: **22** Pages: **6310-6317** Published: **JUN 30 2007**
 Times Cited: **32**
15. Title: Modification of glassy carbon electrode with multi-walled carbon nanotubes and iron(III)-porphyrin film: Application to chlorate, bromate and iodate detection
 Author(s): Salimi A, Mamkhezri H, Hallaj R, et al. Source: **ELECTROCHIMICA ACTA** Volume: **52** Issue: **20** Pages: **6097-6105** Published: **JUN 10 2007**
 Times Cited: **20**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000240855100029&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=40

Record 28

Title: **Synthesis and structural characteristics of carbon aerogels with a high content of Fe, Co, Ni, Cu, and Pd**
 Author(s): Cotet, LC; Gich, M; Roig, A; Popescu, IC; Cosoveanu, V; Molins, E; Danciu, V
 Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: 352 Issue: 26-27 Pages: 2772-2777
 Published: AUG 1 2006
Results: 8

1. Title: Perfluoro-tagged, phosphine-free palladium nanoparticles supported on silica gel: application to alkynylation of aryl halides, Suzuki-Miyaura cross-coupling, and Heck reactions under aerobic conditions
 Author(s): Bernini R, Cacchi S, Fabrizi G, et al. Source: **GREEN CHEMISTRY** Volume: **12** Issue: **1** Pages: **150-158**

Published: **2010**

Times Cited: **0**

2. Title: Preparation and characterization of nickel-modified carbon cryogel beads with uniform particle size

Author(s): Chaichanawong J, Yamamoto T, Kim SI, et al. Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: **355**

Issue: **31-33** Pages: **1605-1612** Published: **SEP 1 2009**

Times Cited: **1**

3. Title: OIL SHALE PHENOL-DERIVED AEROGELS AS SUPPORTS FOR PALLADIUM NANOPARTICLES

Author(s): Perez-Caballero F, Peikolainen AL, Uibu M, et al. Source: **OIL SHALE** Volume: **26** Issue: **1** Pages: **28-39**

Published: **2009**

Times Cited: **0**

4. Title: Smelting in the age of nano: iron aerogels

Author(s): Leventis N, Chandrasekaran N, Sotiriou-Leventis C, et al. Source: **JOURNAL OF MATERIALS CHEMISTRY**

Volume: **19** Issue: **1** Pages: **63-65** Published: **2009**

Times Cited: **1**

5. Title: One-pot synthesis and characterization of metal phosphide-doped carbon xerogels

Author(s): Wang H, Shu YY, Wang AQ, et al. Source: **CARBON** Volume: **46** Issue: **15** Pages: **2076-2082**

Published: **DEC**

2008

Times Cited: **0**

6. Title: Phosphine-free perfluoro-tagged palladium nanoparticles supported on fluorosilica gel: Application to the Heck reaction

Author(s): Bernini R, Cacchi S, Fabrizi G, et al. Source: **ORGANIC LETTERS** Volume: **10** Issue: **4** Pages: **561-564**

Published: **FEB**

7. Title: Sonogashira cross-coupling using carbon aerogel doped with palladium nanoparticles; A recoverable and reusable catalyst

Author(s): Soler R, Cacchi S, Fabrizi G, et al. Source: **SYNTHESIS-STUTTGART** Issue: **19** Pages: **3068-3072** Published:

OCT 1 2007

Times Cited: **7**

8. Title: Structural properties of some transition metal highly doped carbon aerogels

Author(s): Cotet LC, Baia A, Baia L, et al.

Conference Information: 12th International Symposium on Metastable and Nano-Materials (ISMANAM-2005), JUL 03-07, 2005

Paris, FRANCE Source: **JOURNAL OF ALLOYS AND COMPOUNDS** Volume: **434** Special Issue: **Sp. Iss. SI** Pages: **854-**

857 Published: **MAY 31 2007**

Times Cited: **3**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000239268500009&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=41

Record 29

Title: **Formate dehydrogenase-modified carbon paste electrodes for amperometric detection of formate**

Author(s): Munteanu, FD; Gligor, D; Popescu, IC; Gorton, L

Source: **REVUE ROUMAINE DE CHIMIE** Volume: **51** Issue: **1** Pages: **25-30** Published: **JAN 2006**

Results: **1**

Title: Bi-enzyme biosensor based on NAD(+)- and glutathione-dependent recombinant formaldehyde dehydrogenase and diaphorase for formaldehyde assay

Author(s): Nikitina O, Shleev S, Gayda G, et al. Source: **SENSORS AND ACTUATORS B-CHEMICAL** Volume: **125** Issue: **1**

Pages: **1-9** Published: **JUL 16 2007**

Times Cited: **6**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000238234900004&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=42

Record 30

Title: **Deposition of CdS thin films by nonstationary electrochemical techniques**

Author(s): Ilea, P; Dorneanu, SA; Popescu, IC

Source: **REVISTA DE CHIMIE** Volume: 56 Issue: 4 Pages: 382-386 Published: APR 2005

Results: 1

Title: Influence of Preparative Conditions on Optical and Morfo-structural Properties of Zinc Sulphide Thin Films

Author(s): Stefan M, Popovici EJ, Baldea I, et al. Source: **REVISTA DE CHIMIE** Volume: 60 Issue: 4

Pages: **342-346**

Published: **APR 2009**

Times Cited: 0

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000229981900014&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=46

Record 31

Title: **Electrosynthesis of nitroso compounds from (1S,2S)-2-amino-1-(4-nitrophenyl)-propane-1,3-diol derivatives**

Author(s): Cristea, CV; Moinet, C; Jitaru, M; Popescu, IC

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: 35 Issue: 9 Pages: 851-855

Published: SEP 2005

Results: 1

Title: An Overview of Highly Optically Pure Chloramphenicol Bases: Applications and Modifications

Author(s): Yang KH, Fang H, Gong JZ, et al. Source: **MINI-REVIEWS IN MEDICINAL CHEMISTRY**

Volume: 9 Issue: 11

Pages: **1329-1341** Published: **OCT 2009**

Times Cited: 0

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000230069700003&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=43

Record 32

Title: **Organic phase PPO biosensor based on hydrophilic films of electropolymerized polypyrrole**

Author(s): Cristea, C; Mousty, C; Cosnier, S; Popescu, IC

Source: **ELECTROCHIMICA ACTA** Volume: 50 Issue: 18 Pages: 3713-3718 Published: JUN 10 2005

Results: 8

1. Title: Flow injection determination of catechol based on polypyrrole-carbon nanotube-tyrosinase biocomposite detector

Author(s): Ozoner SK, Yalvac M, Erhan E Source: **CURRENT APPLIED PHYSICS** Volume: 10 Issue: 1

Pages: **323-328**

Published: **JAN 2010**

Times Cited: 1

2. Title: Development of a potentiometric catechol biosensor by entrapment of tyrosinase within polypyrrole film

Author(s): Ameer Q, Adeloju SB Source: **SENSORS AND ACTUATORS B-CHEMICAL** Volume: 140

Issue: 1 Pages: **5-11**

Published: **JUN 18 2009**

Times Cited: 0

3. Title: Electroanalytical properties of a novel biosensor modified with zirconium alcoxide porous gels for the detection

of acetaminophen

Author(s): Sima V, Cristea C, Lapadus F, et al. Source: **JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS**

Volume: 48 Issue: 4 Pages: **1195-1200** Published: **DEC 1 2008**

Times Cited: 0

4. Title: Design of carbon nanotube-polymer frameworks by electropolymerization of SWCNT-pyrrole derivatives

Author(s): Cosnier S, Holzinger M
Conference Information: International Workshop on Electrochemistry of Electroactive Materials (WEEM-2006), JUN 24-29,
2006 Repino, RUSSIA Source: **ELECTROCHIMICA ACTA** Volume: **53** Issue: **11** Pages: **3948-3954**
Published: **APR 20**
2008

Times Cited: **3**

5. Title: Conducting polymers in biomedical engineering

Author(s): Guimard NK, Gomez N, Schmidt CESource: **PROGRESS IN POLYMER SCIENCE** Volume: **32**
Issue: **8-9**

Pages: **876-921** Published: **AUG-SEP 2007**

Times Cited: **60**

6. Title: Recent advances in biological sensors based on electrogenerated polymers: A review

Author(s): Cosnier SSource: **ANALYTICAL LETTERS** Volume: **40** Issue: **7** Pages: **1260-1279** Published:
2007

Times Cited: **24**

7. Title: On-line monitoring of methanol in n-hexane by an organic-phase alcohol biosensor

Author(s): Wu XJ, Choi MMF, Chen CS, et al.Source: **BIOSENSORS & BIOELECTRONICS** Volume: **22**
Issue: **7** Pages:

1337-1344 Published: **FEB 15 2007**

Times Cited: **1**

8. Title: Organic phase enzyme electrodes

Author(s): Lopez MSP, Lopez-Cabarcos E, Lopez-Ruiz BSource: **BIOMOLECULAR ENGINEERING**
Volume: **23** Issue: **4**

Pages: **135-147** Published: **SEP 2006**

Times Cited: **7**

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Record 33

Title: **Electrocatalytic oxidation of NADH at carbon paste electrodes modified with Meldola Blue adsorbed on zirconium phosphate: effect of Ca²⁺ and polyethyleneimine**

Author(s): Ladiu, CI; Popescu, IC; Gorton, L

Source: **JOURNAL OF SOLID STATE ELECTROCHEMISTRY** Volume: **9** Issue: **5** Pages: **296-303**

Published: **MAY 2005**

Results: **9**

1. Title: Modification of Galactitol Dehydrogenase from Rhodobacter sphaeroides D for Immobilization on Polycrystalline Gold Surfaces

Author(s): Kornberger P, Gajdzik J, Natter H, et al.Source: **LANGMUIR** Volume: **25** Issue: **20** Pages:
12380-12386

Published: **OCT 20 2009**

Times Cited: **0**

2. Title: Photoelectrocatalytic Oxidation of NADH at a Graphite Electrode Modified with a New Polymeric Phenothiazine

Author(s): Gligor D, Dilgin Y, Popescu IC, et al.

Conference Information: 12th International Conference on Electroanalysis, JUN 16-19, 2008 Prague,
CZECH

REPUBLICSource: **ELECTROANALYSIS** Volume: **21** Issue: **3-5** Pages: **360-367** Published: **FEB 2009**

Times Cited: **1**

3. Title: Simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid by methylene blue

adsorbed on a phosphorylated zirconia-silica composite electrode

Author(s): Arguello J, Leidens VL, Magosso HA, et al.Source: **ELECTROCHIMICA ACTA** Volume: **54**
Issue: **2** Pages: **560-**

565 Published: **DEC 30 2008**

Times Cited: **3**

4. Title: NADH electrocatalytic oxidation at glassy carbon paste electrodes modified with meldola blue adsorbed on

acidic alpha-zirconium phosphate

Author(s): Ladiu CI, Garcia JR, Popescu IC, et al.Source: **REVUE ROUMAINE DE CHIMIE** Volume: **52**
Issue: **1-2** Pages:

67-74 Published: **JAN-FEB 2007**

Times Cited: 1

5. Title: NADH electrocatalytic oxidation at glassy carbon paste electrodes modified with Meldola blue adsorbed on alpha-titanium phosphate

Author(s): Ladiu CI, Garcia R, Popescu IC, et al. Source: **REVISTA DE CHIMIE** Volume: **58** Issue: **5** Pages: **465-469**

Published: **MAY 2007**

Times Cited: 1

6. Title: Fabrication and characterization of Meldola's blue/zinc oxide hybrid electrodes for efficient detection of the

reduced form of nicotinamide adenine dinucleotide at low potential

Author(s): Kumar SA, Chen SMS Source: **ANALYTICA CHIMICA ACTA** Volume: **592** Issue: **1** Pages: **36-44**

Published:

MAY 29 2007

Times Cited: **12**

7. Title: Photoelectrocatalytic oxidation of NADH with electropolymerized Toluidine Blue O

Author(s): Dilgin Y, Gorton L, Nisli G

Conference Information: 11th International Conference on Electroanalysis of the European-Society-for-Electroanalytical-

Chemistry, JUN 11-15, 2006 Univ Bordeaux, Natl Engrn Sch Chem & Phys, Bordeaux, FRANCE Source:

ELECTROANALYSIS

Volume: **19** Issue: **2-3** Pages: **286-293** Published: **JAN 2007**

Times Cited: **9**

8. Title: Electroenzymatic reactions with sorbitol dehydrogenase on gold electrodes

Author(s): Gajdzik J, Szamocki R, Natter H, et al. Source: **JOURNAL OF SOLID STATE**

ELECTROCHEMISTRY Volume: **11**

Issue: **2** Pages: **144-149** Published: **FEB 2007**

Times Cited: **2**

9. Title: Strategies for developing NADH detector based on meldola blue in different immobilization methods: A

comparative study

Author(s): Mariotti MP, Riccardi CDS, Fertoni FL, et al. Source: **JOURNAL OF THE BRAZILIAN**

CHEMICAL SOCIETY

Volume: **17** Issue: **4** Pages: **689-696** Published: **JUL-AUG 2006**

Times Cited: **1**

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000229504200009&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=45

Record 35

Title: **Comparative study of copper electrodeposition from sulphate acidic electrolytes in the presence of IT-85 and of its components**

Author(s): Varvara, S; Muresan, L; Popescu, IC; Maurin, G

Source: **JOURNAL OF APPLIED ELECTROCHEMISTRY** Volume: **35** Issue: **1** Pages: **69-76** Published: **JAN 2005**

Results: 5

1. Title: Potentiodynamic and galvanostatic investigations of copper deposition from sulphate electrolytes containing

large amount of zinc

Author(s): Hodjaoglu GA, Hrussanova AT, Ivanov ISS Source: **BULGARIAN CHEMICAL**

COMMUNICATIONS Volume: **41**

Issue: **3** Pages: **330-335** Published: **2009**

Times Cited: **0**

2. Title: Effects of ionic liquid additive [BMIM]HSO₄ on copper electro-deposition from acidic sulfate electrolyte

Author(s): Zhang QB, Hua YX, Wang YT, et al. Source: **HYDROMETALLURGY** Volume: **98** Issue: **3-4**

Pages: **291-297**

Published: **SEP 2009**

Times Cited: **0**

3. Title: Progress of copper electrocrystallization

Author(s): Qiang L, Min G, Xian XH Source: **PROGRESS IN CHEMISTRY** Volume: **20** Issue: **4** Pages:

483-490 Published:

APR 2008

Times Cited: 0

4. Title: Effect of quaternary ammonium compounds on the electrodeposition of ZnCo alloys from alkaline gluconate baths

Author(s): Ortiz-Aparicio JL, Meas Y, Trejo G, et al. Source: **JOURNAL OF THE ELECTROCHEMICAL SOCIETY** Volume:

155 Issue: **3** Pages: **D167-D175** Published: **2008**

Times Cited: 1

5. Title: Synergistic effect of ethylene thiourea and bis-(3-sulfopropyl)-disulfide on acid Cu electrodeposition

Author(s): Zhang W, Lu X, Liu YH, et al. Source: **JOURNAL OF THE ELECTROCHEMICAL SOCIETY** Volume: **154** Issue:

10 Pages: **D526-D529** Published: **2007**

Times Cited: 3

http://apps.isiknowledge.com/CitingArticles.do?product=UA&UT=000226506500009&SID=S251gdEkG6L55bkDA9p&db_id=WOS&search_mode=CitingArticles&parentQid=1&parentDoc=48

2. Alte citări ale lucrărilor listate mai sus

3. Citări în perioada 2005-2009 ale articolelor anterioare anului 2005

prea greu de numarat (!)

4. Distincții, premii și alte recunoașteri naționale și internaționale

5. Studenți naționali atrași (activități de coordonare științifică și didactică)

- Îndrumare lucrari de licență (număr lucrări susținute)
- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)

In stagi:

Izabell Peter	(ff)
Ecaterina Bica	(frecv)
Lidia Varvari	(frecv)
Pap Zsolt	(ff)
Vasilica Lates	(frecv; cotutela Franta)
Gabor Kovacs	(frecv; POSDRU)
Monica Rusu	(ff)

Teze susținute:

Ladiu Ioana	2007
Cotet Cosmin	2007
Anca Peter	2009
Laura Muresan	2009
Mihaela Popa	2010

- Post-doctoranzi (lista nominală)

6. Studenți internaționali atrași (activități de coordonare științifică și didactică)

- Îndrumare lucrari de licența (număr lucrări susținute)
- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)
- Post-doctoranzi (lista nominală)

7. Membru în comitetul de redacție la reviste ISI

Studia Universitatis Babes-Bolyai, Chemia

8. Membru în comitetul de redacție la reviste BDI

Acta Universitatis Cibinensis, Chemia

9. Participări la programe/granturi de cercetare finanțate din sursă internațională (se menționează și valoarea)

10. Participări la programe/granturi finanțate din sursă națională (se menționează și valoarea)

11. Coordonări de programe/granturi finanțate din sursă internațională (se menționează și valoarea)

12. Coordonări de programe/granturi finanțate din sursă națională (se menționează și valoarea)

1. Nr. Contract: GAR-48-2005
Titlul COMUNICAREA ELECTRICĂ ÎN BIO-NANOSTRUCTURI CU ACTIVITATE ELECTROCATALITICĂ
Director proiect: Prof. I.C. Popescu
Durata: 2005-2006 (2 ani)

2. Nr. Contract: CNCSIS-A-65-1716-2005
Titlul STRUCTURI SUPRAMOLECULARE CU ACTIVITATE ELECTROCATALITICA
Director proiect: Prof. I.C. Popescu
Durata: 2003-2005 (3 ani)

3. Nr. Contract: BIOTECH-04-5-PDT-4760-2004
Titlu proiect SISTEM PILOTAT DE CALCULATOR PENTRU MONITORIZAREA UNOR CATIONI ÎN FLUIDE DE INTERES BIOTEHNOLOGIC ȘI MEDICAL
Director proiect: Prof. I.C. Popescu
Durata: 2004-2006 (3 ani)

4. Nr. Contract: CEEEx-PC-D11-PT04-684-2005
Titlu proiect CHIMIE ORGANOMETALICA SUPRAMOLECULARA: DE LA DESIGN PRIN SINTEZA SI STRUCTURA LA APLICATII (SUPRACOM)
Responsabil colectiv: Prof. I.C. Popescu
Durata: 2005-2007 (3 ani)

5. Nr. Contract: GAR-44-2006
Titlu proiect COMUNICAREA ELECTRICĂ ÎN BIO-NANOSTRUCTURI CU ACTIVITATE ELECTROCATALITICĂ
Director proiect: Prof. I.C. Popescu
Durata: 2006-2007 (2 ani)

6. Nr. Contract: CNCSIS-A-22-1319-2006
Titlu proiect MATERIALE DE ELECTROD DE INALTA PERFORMANTA PENTRU RECUNOASTEREA AMPEROMETRICA SELECTIVA A UNOR SPECII DE INTERES BIOMEDICAL: PREPARARE SI CARACTERIZARE ELECTROCHIMICA
Director proiect: Prof. I.C. Popescu
Durata: 2006-2008 (3 ani)

7. Nr. Contract: PN-II PARTENERIATE 71-098/2007
Titlu proiect SENZORI SI APARATURA PENTRU CONTROLUL CALITATII UNOR PRODUSE ALIMENTARE (SENSALIM)
Director proiect: Prof. I.C. Popescu
Durata: 2007-2010 (3 ani)

13. Profesor invitat la universitati de prestigiu, cu titlu oficial

Visiting professor la Universitatea Via Domitia din Perpignan (martie 2009)

Visiting professor la Universitatea Clarkson din Potsdam (august 2009)

14. Membru în comisii profesionale relevante, cu titlu oficial

15. Conferințe invitate internaționale

16. Membru în comitete de organizare sau științifice ale unor conferințe internaționale

Journees d'Electrochimie 2009, Sinaia, Romania

III. Realizare remarcabilă

(Descrieți într-o manieră cât mai accesibilă (în maximum 1 pagină) cea mai importantă realizare științifică/tehnică/artistică din ultimii 5 ani și impactul acesteia.)

Consider ca se constituie într-o realizare meritorie pentru perioada mentionata rezultatele obtinute in *studiul electrozilor modificati cu activitate electrocatalitica*. Aceste rezultate, desi comporta numeroase aspecte fundamentale (cum ar fi: comunicarea electrica in sistemele enzima-mediator-electrod, stabilitatea matricilor enzimaticе, eficienta transmiterii semnalului in sistemul receptor-traductor amperometric etc.) prin caracterul lor puternic aplicativ au deschis o serie de colaborari fructuoase cu colective de cercetare performante din Suedia (Universitatea din Lund), din Franta (Universitatea din Perpignan) si din SUA (Universitatea din Clarkson). In aceste colaborari sunt implicati atat colaboratorii ai mei din cadrul Centrului de Cercetari in Electrochimie (al carui director sunt), cat si multi dintre doctoranzii mei.

Data:19.03.2010

Semnătura:

Prof. Ionel Catalin Popescu

Certific validitatea datelor prezentate

Sef de catedră,

Prof. Liana Muresan