



## Europass Curriculum Vitae

### Personal information

Family name / Given name

**SPĂTARU NICULAE**

Telephone

0040213121147

Fax

nspatarut@icf.ro

E-mail

Nationality

Romanian

Date of birth

Sex

male

### Professional experience

Period

1993-present

Function or position

Senior researcher (III, II, I)

Main activities and responsibilities

Research in electrochemistry: electrocatalysis, bioelectrochemistry, electrochemistry of diamond

Name and address of working place

Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania

Type of activity

Research

Period

1988-1993

Function or position

Research fellow

Main activities and responsibilities

Research in electrochemistry: electroanalysis, electrocatalysis

Name and address of working place

Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania

Type of activity

Research

Period

1984-1988

Function or position

Chemist

Main activities and responsibilities

Research in electrochemistry: voltammetry, polarography, stripping analysis

Name and address of working place

Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania

Type of activity

Research

Period

1986-2001

Function or position

Associate lecturer

Main activities and responsibilities

Teaching analytical chemistry and basic electrochemistry

Name and address of working place

Department of Analytical Chemistry, Polytechnic Institute from Bucharest, Romania

Type of activity

Teaching

Period

1982-1984

Function or position

Chemist

Main activities and responsibilities

Chlorosodic industry

Name and address of working place

Chemical Plant Giurgiu, Romania

Type of activity

Control of equipment

### Education

Period	1989-1993
Qualification / diploma	Doctor in Chemistry (PhD)
Main disciplines studied / professional abilities acquired	Physical chemistry, electrochemistry of semiconductors
Name of institution	Romanian Academy, Institute of Physical Chemistry
Period	1981 - 1982
Qualification / diploma	Specialization diploma in Physical Chemistry (MSc)
Main disciplines studied / professional abilities acquired	Physical Chemistry
Name of institution	Polytechnic Institute of Bucharest, Faculty of Chemistry
Period	1977-1981
Qualification / diploma	Diploma in Chemistry (Bachelor Degree)
Main disciplines studied / professional abilities acquired	Chemistry
Name of institution	Polytechnic Institute of Bucharest, Faculty of Chemistry
<b>Aptitudes and professional abilities</b>	
Research stages at:	
Denomination	Visiting professor
Period	06.2014 – 07.2014
Institution name	Universite de Paris-Sud 11, Orsay
Location	FRANCE
Denomination	Visiting professor
Period	05.2011 – 06.2011
Institution name	Universite de Paris-Sud 11, Orsay
Location	FRANCE
Denomination	Visiting scientist (JST fellowship)
Period	09.2007 – 10.2007
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN
Denomination	Visiting scientist (JST fellowship)
Period	09.2006 – 10.2006
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN
Denomination	Visiting scientist (JST fellowship)
Period	10.2005 – 12.2005
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN
Denomination	Visiting scientist (NEDO fellowship)
Period	01. 2002 – 12. 2003
Institution name	The University of Tokyo, Fujishima's Laboratory

Location	JAPAN																								
Denomination	Guest researcher																								
Period	10.1999 – 04.2000																								
Institution name	The University of Tokyo, Fujishima's Laboratory																								
Location	JAPAN																								
Denomination	Visiting scientist (STA fellowship)																								
Period	10.1997–12.1997																								
Institution name	Osaka National Research Institute																								
Location	JAPAN																								
Denomination	Visiting scientist (JITA fellowship)																								
Period	10.1994–12.1994																								
Institution name	Osaka National Research Institute																								
Location	JAPAN																								
Denomination	Guest researcher (CEC fellowship)																								
Period	04.1993–08.1993																								
Institution name	Centre de Recherche en Electrochimie Minérale et en Génie des Procédés																								
Location	St. Martin d'Hères, FRANCE																								
Denomination	Guest researcher (AIST fellowship)																								
Period	01.1991–03.1991																								
Institution name	Government Industrial Research Institute, Osaka																								
Location	JAPAN																								
Mother tongue	Romanian																								
Known foreign languages																									
Autoevaluation																									
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Socials abilities and competences	Good relationship with colleagues, researchers from my institute, national and international universities. Good relationship with students I worked with.																								

- Management competences**
- Head of the Laboratory of Electrode Processes an Electrochemical Corrosion, Institute of Physical Chemistry; (2005–2020)
  - Habilitation in Chemistry since 2014
  - Member of National Council for the Attestation of University Titles, Diplomas and Certificates (CNADTCU) – Chemistry commission (2016–2024)

**Management experience:**

- Director of project PN-II-ID-PCE-2011-3-0272 – “Interactional and functional effects of the substrate on the electrochemical behavior of micro and nanostructured metallic and oxidic deposits”
- Member of international research projects:
  - Electrochemical reduction of carbon dioxide – research project supported by Research Institute of Innovative Technology for the Earth (RITE), Japan – 2002-2003
  - Development of Advanced Nanostructured Materials for Energy Conversion and Storage – Core Research for Evolutional Science & Technology (CREST) Program (supported by JST, Japan) – 2005-2007

**Scientific and technical competences**

**Publications**

- Book Chapter: Anodic voltammetry at conductive diamond electrodes and its analytical applications, in “Diamond Electrochemistry” (A. Fujishima, Y. Einaga, T.N. Rao, D.A. Tryk Editors), Elsevier, Amsterdam 2005, ISBN 0-444-51908-4, p. 287-308;
- Patent: A. Fujishima, D.A. Tryk, N. Spătaru, B.V. Sarada, T.N. Rao, Method for determining concentration of xanthine type compound and sensor for use therein, WO 01/98766 A1 (WO/2001/098766).
- over 80 publications in ISI journals

Hirsch index = 18

Number of citations 1631 (February 2024)

[https://apps.webofknowledge.com.am.e-information.ro/CitationReport.do?product=WOS&search\\_mode=CitationReport&SID=D54Enmxy5K9GnKIKUMY&page=1&cr\\_pqid=4&viewType=summary&colName=WOS](https://apps.webofknowledge.com.am.e-information.ro/CitationReport.do?product=WOS&search_mode=CitationReport&SID=D54Enmxy5K9GnKIKUMY&page=1&cr_pqid=4&viewType=summary&colName=WOS)

**Doctoral School activities**

**Doctoral supervisor – School of Advanced Studies of the Romanian Academy**

- 2017 – 2022 – Dr. Mihai Marian Radu – (“Electrochemical and electrocatalytic properties of some multicomponent micro- and nanostructured materials”)
- 2020 – present – Mihai Marius Alexandru – (“Electrosynthesis and electrochemical characterization of hybrid materials with electrocatalytic and photoelectrocatalytic properties”)
- 2022 – present – Georgeta Olivia Moga – (“Carbon-metal oxide hybrid systems with predefined structures and electrocatalytic properties”)

**Jury member of PhD thesis**

- 2011 – Dr. Muhammad Ali Mohsin – Norwegian University of Science and Technology (NTNU) (“Sulfur-metal Interactions with Applications in Electrochemical Sensors”)
- 2012 – Dr. Florina Teodorescu – University of Bucharest (“New chemically modified electrodes with improved electrocatalytic properties”)
- 2013 – Dr. Elena Ionela Neacșu – Romanian Academy (“Corrosion study of some metallic materials in ionic and aqueous solutions”)
- 2014 – Dr. Silviu Drob – Romanian Academy (“Development and modeling of the functional characteristics of new advanced alloys and non-polluting anti-corrosion protections”)
- 2015 – Dr. Céline Byl – Université Paris Sud, Centre d’Orsay (“Synthèse et caractérisation de nanocomposites à base de ZnO pour des applications thermoélectriques”)
- 2015 – Dr. Carmen-Marinela Mihăilescu – University of Bucharest (“Nanostructured biosurfaces for the detection of pathogenic microorganisms and important biomarkers in laboratory diagnostics”)
- 2022 – Dr. Mihaela Costache – University “Politehnica” Bucharest (“Electrosynthesis and characterization of new nanostructured surfaces for the development of chemo/biosensors with medical, environmental and food industry applications”)

- 2023 – Roberta-Geanina Irodia – University "Politehnica" Bucharest ("Advanced electrochemical methods for organic pollutants oxidation")
- 2024 – Nicolas Onseciat – Université Paris-Saclay ("Propriétés de transport dans les oxydes à haute entropie")

PC user competences

Other competences and aptitudes

Driving linceses

B

PC user for specific programs

- "Ilie Murgulescu" prize of the Romanian Academy for the group of works "Study of the electrochemical performances of some semiconductor electrodes in view of solar to chemical direct energy conversion" (1997)

### Annexes

Publication list

Bucharest  
November 12, 2024

Dr. Niculae Spătaru



### List of publications

1. I. Vartires, V. Popescu and N. Spătaru - "Investigations of the Semiconductor/Electrolyte Interface in some Photoelectrochemical Cells" in Proceedings of the Second Symposium of Applied Electrochemistry - Timisoara, Romania, 4-5 October 1986, p.281-288.
2. I. Vartires, V. Popescu and N. Spătaru - "Studiul interfețelor celulei fotoelectrochimice cu anod de TiO<sub>2</sub> în vederea îmbunătățirii condițiilor de funcționare" ("Study of the Interface of the Photoelectrochemical Cell with TiO<sub>2</sub> Anode for Improvement of the Functioning Parameters") - *Revista de Chimie*, **38**, 5 (1987) 394-397. (IF = 0.693)
3. I. Vartires, A. Mihelis, V. Popescu and N. Spătaru - "Electrochemical Behaviour of the Electroactive Spinel-Type Co<sub>3</sub>O<sub>4</sub> Coatings" - *Revue Roumaine de Chimie*, **32**, 6 (1987) 551-562. (IF = 0.311)
4. I. Vartires, V. Popescu, A. Mihelis and N. Spătaru - "On the Semiconducting Character of the Spinel-Type Electroactive Oxide Layers" - *Revue Roumaine de Chimie*, **32**, 9-10 (1987) 907-912. (IF = 0.311)
5. N. Spătaru and A. Călusușaru - "Catalytic Cobalt and Hydrogen Discharge in Presence of Diethyldithiocarbamate" in Proceedings of the J. Heyrovsky Centennial Congress on Polarography and 41<sup>st</sup> Meeting of ISE - Prague, 20-25 August 1990, vol.I, p. Mo-133.
6. V. Popescu and N. Spătaru - "Investigation of the TiO<sub>2</sub> and a-Si:H Photoelectrodes/Electrolyte Interfaces" in Proceedings of the J. Heyrovsky Centennial Congress on Polarography and 41<sup>st</sup> Meeting of ISE - Prague, 20-25 August 1990, vol.II, p.Fr-91.
7. N. Spătaru and A. Călusușaru - "Catalytic Waves in the Co(II)-Diethyldithiocarbamate-Ammonia Buffer" - *Revue Roumaine de Chimie*, **37**, 2 (1992) 241-252. (IF = 0.311)
8. N. Spătaru, V. Popescu and A. Mihelis - "The Characterisation of the n-TiO<sub>2</sub>/Electrolyte Interface through Photoelectrochemical Measurements" - *Revue Roumaine de Chimie*, **37**, 6 (1992) 661-669. (IF = 0.311)
9. V. Popescu, N. Spătaru and A. Mihelis - "The Characterisation of the a-Si:H/Electrolyte Interface through Photoelectrochemical Measurements" - *Revue Roumaine de Chimie*, **37**, 9 (1992) 979-987. (IF = 0.311)
10. N. Spătaru and A. Călusușaru - "Polarographic Determination of Diethyldithiocarbamate using Kinetic and Catalytic Processes" in Proceedings of the Fourth International Symposium on Kinetics in Analytical Chemistry - Erlangen (Germany), 27-30 September 1992, p. L29a-L29c.
11. N. Spătaru - "Optimizarea grosimii stratului electrocatalitic de Co<sub>3</sub>O<sub>4</sub> pentru activarea unor anodi cu dimensiuni stabile" ("The Establishment of the Appropriate Thickness of the Co<sub>3</sub>O<sub>4</sub> Coatings for the Activation of the Dimensional Stable Anodes") - *Revista de Chimie*, **45**, 1 (1994) 36-39. (IF = 0.693)
12. C. Luca, L. Mărăcine, V. Popescu and N. Spătaru - "Photoelectrochemical Behaviour of the TiO<sub>2</sub> Semiconductor Electrodes Obtained by Thermal Oxidation of the Titanium Foils" - *Revue Roumaine de Chimie*, **39**, 4 (1994) 355-363. (IF = 0.311)
13. C. Luca, L. Mărăcine, V. Popescu and N. Spătaru - "The Stabilisation of the n-GaAs Photoanode using the Te<sup>2+</sup>/Te<sub>2</sub><sup>2-</sup> Redox Couple" - *Revue Roumaine de Chimie*, **39**, 5 (1994) 467-472. (IF = 0.311)
14. V. Popescu, L. Mărăcine and N. Spătaru - "Some Properties of the α-Fe<sub>2</sub>O<sub>3</sub>/Electrolyte Interface; Modelling through an Equivalent Circuit" - *Revue Roumaine de Chimie*, **39**, 7 (1994) 769-775. (IF = 0.311)
15. N. Spătaru and A. Călusușaru - "Polarographic Determination of Diethyldithiocarbamate using Kinetic and Catalytic Processes" - *Electroanalysis*, **7**, 6 (1995) 583-586. (IF = 2.721)
16. N. Spătaru and J.-G. Le Helloco - "The Hydrogen Evolution Reaction on the RuO<sub>2</sub> coated Electrodes" - *Revue Roumaine de Chimie*, **40**, 6 (1995) 505-509. (IF = 0.311)
17. V. Popescu, L. Mărăcine, N. Spătaru and C. Cobianu - "Caracterizarea unor structuri electrolit-izolator-semiconductor în vederea utilizării lor în dispozitivele ISFET" ("Characterization of some Electrolyte-Insulator-Semiconductor Structures for their Use in ISFET Devices") - *Revista de Chimie*, **47**, 3 (1996) 270-276. (IF = 0.693)
18. G. Stanciu, N. Zârnă, N. Spătaru, T. Constantinescu, A. Caragheorgheopol, H. Căldăraru and A.T. Balaban - "Factors Affecting Stability and Equilibria of free Radicals; Bond Dissociation Energy of N-Alkoxydinitroanilines" - *Revue Roumaine de Chimie*, **41**, 9-10 (1996) 755-761. (IF = 0.311)
19. N. Spătaru - "The Effect of a NiO Intermediary Layer on the Electrochemical Performances of the RuO<sub>2</sub> coated Cathodes" - *Revue Roumaine de Chimie*, **41**, 1-2 (1996) 45-50. (IF = 0.311)
20. N. Spătaru, J.-G. Le Helloco and R. Durand - "A Study of RuO<sub>2</sub> as an Electrocatalyst for Hydrogen Evolution in alkaline Solution" - *Journal of Applied Electrochemistry*, **26** (1996) 397-402. (IF = 1.496)
21. F.G. Bănică, N. Spătaru and T. Spătaru - "Indirect Catalytic Cathodic Stripping Voltammetry of Sulphide Ion in the Presence of Cobalt at a Hanging Mercury Drop Electrode" - *Revue Roumaine de Chimie*, **43**, 2 (1998) 77-82. (IF = 0.311)

- 22.** S. Yano, N. Spătaru, Y. Kawata and H. Kojima - "Extracellular Release of Recombinant Gene-Product by Osmotic Shock from Immobilized Microalga in Electroconductive Membrane" - *Bioelectrochemistry and Bioenergetics*, **39** 1 (1996) 89-93. (**IF = 3.520**)
- 23.** N. Spătaru, F.G. Bănică and F. Potmischil - "Hydroacridines. Part 16. Steric Effect in the Polarographic Reduction of N-Epimeric Amine Oxides Derived from (4aa,8aβ,9aβ,10aa)- and (4aa,8aa,9aβ,10aa)-Tetradecahydro-10-methylacridine" - *Journal of the Chemical Society, Perkin Transactions 2*, **11** (1997) 2453-2457. (**IF = 1.689**)
- 24.** F.G. Bănică, N. Spătaru and T. Spătaru - "Catalytic hydrogen evolution in the presence of sulfide and cobalt ions. A study by cathodic stripping voltammetry on the hanging mercury drop electrode" - *Electroanalysis*, **17**, 9 (1997) 1341-1347. (**IF = 2.721**)
- 25.** C. Cimpoeru, E. Roman and N. Spătaru - "Inhibitori de coroziune cu structura de amoniu cuaternar pentru medii acide. II Cloruri de tetraalchil amoniu pentru inhibarea coroziunii otelului carbon în acid clorhidric" - "Lucrările Conferinței de Chimie și Inginerie Chimică", Bucuresti 1997, vol.V, pag.11-8 - 11-12.
- 26.** E. Roman, E. Barbulescu, C. Cimpoeru, N. Spătaru, " Inhibitori de coroziune cu structura de amoniu cuaternar pentru medii acide. II Cloruri de tetraalchil amoniu pentru inhibarea coroziunii otelului carbon în acid sulfuric" - "Lucrarile Simpozionului Ecologie - Acoperiri metalice - Coroziune" Piatra Neamt, 1997, Ed. Tehnica, p. 291 - 296.
- 27.** H. Kojima, N. Spătaru, Y. Kawata, S. Yano and I. Vartires - "Long-ranged electron interaction between carboxytetramethylrhodamine and fluoresceinisothiocyanate bound covalently to DNA, as evidenced by fluorescence quenching" - *The Journal of Physical Chemistry B*, **102**, 49 (1998) 9981-9984. (**IF = 3.603**)
- 28.** F.G. Bănică and N. Spătaru - "Catalytic hydrogen evolution in the presence of methylthiohydantoin-glycine and cobalt (II) ion. A study by cathodic stripping voltammetry at a hanging mercury drop electrode" - *Talanta*, **48**, (1999) 491-494. (**IF = 3.722**)
- 29.** F.G. Bănică, A.G. Fogg, N. Spătaru, A. Ion, J.C. Moreira, T. Spătaru, -"New trends in stripping voltammetry: electrocatalysis in the signs-generating process" - "Proceedings of the 11-th Romanian International Conference on Chemistry and Chemical Engineering", Bucuresti 1999, pag. 7-10.
- 30.** N. Spătaru, B.V. Sarada, E. Popa, D.A. Tryk, A. Fujishima - "Voltammetric determination of L-cysteine at conductive diamond electrodes" - *Analytical Chemistry*, **73**, 3 (2001) 514-519. (**IF = 5.874**)
- 31.** N. Spătaru, T.N. Rao, D.A. Tryk, A. Fujishima - "Determination of nitrite and nitrogen oxides by anodic voltammetry at conductive diamond electrodes" - *Journal of Electrochemical Society*, **148**, 3 (2001) E112-E117. (**IF = 2.427**)
- 32.** F.G. Bănică, A. Ion, N. Spătaru, T. Spătaru - "Electrocatalysis in electroanalytical chemistry: some recent results" (Invited lecture) - *Proceedings of New Directions in Electroanalysis - An international symposium on electroanalytical chemistry and its applications* - University of Salford, Great Britain, April 22-25, 2001.
- 33.** N. Spătaru, F.G. Bănică - "Catalytic hydrogen evolution in cathodic stripping voltammetry on a mercury electrode in the presence of cobalt (II) ion and phenylthiourea or thiourea" - *Analyst*, **126**, 1-11 (2001) 1907-1911. (**IF = 3.913**)
- 34.** N. Spătaru, B.V. Sarada, D.A. Tryk, A. Fujishima - "Anodic voltammetry of xanthine, theophylline, theobromine and caffeine at conductive diamond electrodes and its analytical application" - *Electroanalysis*, **14**, 11 (2002) 721-728. (**IF = 2.721**)
- 35.** E. Roman, C. Cimpoeru, N. Spătaru, E. Bărbulescu – “Actiunea inhibitoare a unor săruri de amoniu cuaternar asupra coroziunii otelului carbon în medii acide” – *Revista de Chimie*, **53**, 3 (2002) 226-228. (**IF = 0.693**)
- 36.** C. Terashima, T.N. Rao, B.V. Sarada, N. Spătaru, A. Fujishima – “Electrodeposition of hydrous iridium oxide on conductive diamond electrodes for catalytic sensor applications” – *Journal of Electroanalytical Chemistry*, **544** (2003) 65-74. (**IF = 2.733**)
- 37.** N. Spătaru, C. Terashima, K. Tokuhiro, I. Sutanto, D.A. Tryk, S-M. Park, A. Fujishima – “Electrochemical behavior of cobalt oxide films deposited at conductive diamond electrodes” – *Journal of The Electrochemical Society*, **150**, 7 (2003) E337-E341. (**IF = 2.427**)
- 38.** A.M. Josceanu, T. Spătaru, M. Marcu, N. Spătaru – “Electroanalytical applications of polycrystalline diamond electrodes” – *Proceedings of the 13th Romanian International Conference on Chemistry and Chemical Engineering*, Bucharest 16-20 September 2003.
- 39.** N. Spătaru, K. Tokuhiro, C. Terashima, T.N. Rao, A. Fujishima – “Electrochemical reduction of carbon dioxide at ruthenium dioxide deposited on boron-doped diamond” – *Journal of Applied Electrochemistry*, **33** 12 (2003) 1205-1210. (**IF = 1.496**)

- 40.** T. Spătaru, E. Roman, N. Spătaru – “Electrodeposition of cobalt oxide on conductive diamond electrodes for sensor applications” – *Revue Roumaine de Chimie*, **49** (6) (2004) 525-530. (**IF = 0.311**)
- 41.** M. Mitadera, N. Spătaru, A. Fujishima – “Electrochemical oxidation of aniline at boron-doped diamond electrodes” – *Journal of Applied Electrochemistry*, **34** (2004) 249-254. (**IF = 1.496**)
- 42.** T. Spătaru, N. Spătaru, N. Bonciocat, C. Luca – “Potentiometric investigation of the effect of the pH on the ionic transfer of some amino acids at the interface between two immiscible solutions” – *Bioelectrochemistry*, **62** (2004) 67-71. (**IF = 3.520**)
- 43.** N. Spătaru, T. Spătaru, A. Fujishima – “Voltammetric determination of thiourea at conductive diamond electrodes” – *Electroanalysis*, **17**, 9 (2005) 800-805. (**IF = 2.721**)
- 44.** T. Spătaru, A.M. Josceanu, N. Spătaru – “Amperometric determination of nitrite at conductive diamond electrodes” – *Revue Roumaine de Chimie*, **50** (2) (2005) 147-151. (**IF = 0.311**)
- 45.** N. Spătaru, D.A. Tryk, A. Fujishima – “Anodic voltammetry at conductive diamond electrodes and its analytical applications” – in “Diamond Electrochemistry” (A. Fujishima, Y. Einaga, T.N. Rao, D.A. Tryk Editors), Elsevier, Amsterdam 2005, ISBN 0-444-51908-4, p. 287-308.
- 46.** A. Mannivannan, N. Spătaru, K. Arihara, A. Fujishima – “Electrochemical deposition of titanium oxide on boron-doped diamond electrodes” – *Electrochemical and Solid-State Letters*, **8** (10) (2005) C138-C140. (**IF = 1.981**)
- 47.** D. Dragoe, N. Spătaru, R. Kawasaki, A. Mannivannan, T. Spătaru, D.A. Tryk, A. Fujishima – “Detection of trace levels of Pb<sup>2+</sup> in tap water at boron-doped diamond electrodes with anodic stripping voltammetry” – *Electrochimica Acta*, **51** (12) (2006) 2427-2441. (**IF = 3.650**)
- 48.** T. Spătaru, A.M. Josceanu, N. Spătaru, - “Influența unor interferențe din apele naturale asupra dozării voltametrice a ionului azotit la electrozii de diamant policristalin conductor” – *Revista de Chimie* **57** (1) (2006) 63-65. (**IF = 0.693**)
- 49.** T. Spătaru, N. Spătaru, A. Fujishima – “Detection of aniline at boron-doped diamond electrodes with cathodic stripping voltammetry” – *Talanta*, **73** (2007) 404-406. (**IF = 3.722**)
- 50.** N. Spătaru, X. Zhang, T. Spătaru, D. A. Tryk, A. Fujishima, - “Anodic deposition of hydrous ruthenium oxide at conductive diamond films and conductive diamond powder for electrochemical capacitor application” – *Journal of The Electrochemical Society*, **155** (2008) D73-D77. (**IF = 2.427**)
- 51.** N. Spătaru, X. Zhang, T. Spătaru, D.A. Tryk, A. Fujishima – “Platinum, electrodeposition on conductive diamond powder and its application to methanol oxidation in acidic media” – *Journal of The Electrochemical Society*, **155** (2008) B264-B269. (**IF = 2.427**)
- 52.** T. Spătaru, M. Marcu, N. Spătaru – “Composite electrode material with catalytic activity obtained by electrochemical deposition of polypyrrole and platinum on titanium substrates” – *Revue Roumaine de Chimie*, **52** (2007) 1131-1136. (**IF = 0.311**)
- 53.** T. Spătaru, M. Marcu, A. Banu, E. Roman, N. Spătaru – “Electrochemical preparation and characterization of a Pt-polytyramine composite material with electrocatalytic properties” – *Revista de Chimie*, **59** (2008) 1366-1369. (**IF = 0.693**)
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