Dr SIOKOU ANGELIKI (ELINA)
Elina.Siokou@p2i.com

Principal Surface Scientist, P2i Ltd

A surface scientist with more than 20 years of experience in a large variety of surface analysis techniques. Specialised in the analysis of organic/inorganic interfaces and functional nano-coatings, I have made a significant contribution in the analytical understanding of carbon- based materials' functionalization using photoelectron spectroscopies. I am particularly interested in the development of nanostructured materials with unique physical and chemical characteristics and the potential to be used in a variety of novel applications.

I am recently involved in Intellectual Property landscaping and market intelligence which I particularly enjoy.

EDUCATION

11/1991-3/1995
Ph.D. in Surface Science (Post graduate fellowship), University of Patras, Department of Chemical Engineering, (Patras, Greece)
Advisor: Prof. S. Ladas
Dissertation: "A study of the Re/Si and Er/Si interface formation using surface sensitive techniques".

June 1989
B.S. in Physics, Department of Physics, University of Patras, Greece

CURRENT POSITION

Principal Surface Scientist, P2i Ltd. (03/2012-today)

P2i is a start- up company that specializes in liquid repellent nano-coatings.
As a principal surface scientist my role in R&D has been

- to identify ways to continuously improve the ability to evaluate/characterize functional coatings by (i) sourcing of appropriate cost effective analytical equipment to be brought in house or (ii) by identifying and managing of external analytical suppliers.
- to define patentable inventions and support the writing of the patents
- to assess coating failure mechanisms by conducting failure analysis and materials characterisation
- to develop/customize new analytical methods for the specific requirements of the research projects and provide training and specialist support on site

– to assist Sales & Support with customer requests regarding coating properties and failure analysis

PREVIOUS POSITIONS

10/ 2005-03/2012
Principal Researcher, Head of the Laboratory for Surface Characterization.
Institute of Chemical Engineering and High-Temperature Chemical Processes, FORTH/ICE-HT, Patras, Greece.

12/2008 and 9/ 2007
Visiting Scientist at Material Science Beam line, at Fermi Elettra Synchrotron, Trieste, Italy. "SRPES investigation of model Ziegler-Natta catalysts"

5/ 2002-10/ 2005
Associate Researcher FORTH/ICE-HT, Patras, Greece

1998-2002
Assistant Researcher FORTH/ICE-HT, Patras, Greece (**Marie Curie Return Fellow**)

3/1997-4/1999
Research Scientist Surface Science group Department of Chemistry, QMW college, University of London **(Marie Curie B30-fellowship**). Collaboration with Dr. R. M. Nix.

8/1996-2/1997
Postdoctoral Researcher at Surface Chemistry group, Technical University of Eindhoven, The Netherlands Collaboration with Dr. J. W. Niemantsverdriet and Prof. R. A. van Santen ,

5/1996-7/1996
Visiting researcher at Istituto di Elettronica dello Stato Solido (IESS), CNR, Roma Italy, collaboration with Dr. S. Lagomarsino

4/1995-4/1996
Postdoctoral researcher at FORTH/ICE-HT, Collaboration with Prof. C. Vayenas

8/1995
Visiting Researcher Deutsches Electronen-Synchrotron (DESY) HASYLAB, Hamburg

11-12/1992 and 4-5/1994
Visiting researcher Berliner Elektronenspeichring Gesellscaft fur Synchrotronstrahlung mbH (BESSY), Berlin

HONOURS

- Most cited article 2006-2010, for the paper "Chemical oxidation of multi-walled carbon nanotubes" by Published in Carbon, vol. 46(6), 2008)pp. 833-840.
- Marie Curie Return Fellow (Patras, 1999-2000)
- Marie Curie B30 fellow (London, 1997-1999),
- Postgraduate Fellow ICE/HT-FORTH (1990-1995),
- EU Fellow for the HERCULES program, France (1991),
- Greek State fellowship for distinguished performance during undergraduate studies (1984, 1985).

CARRER HIGHLIGHTS

Academic Achievements

During my employment as a Researcher (of different grades) and as a head of the Surface Analysis Laboratory at the Institute of Chemical Engineering Sciences (FORTH/ICEHT):

- I co-advised five (5) PhD thesis and four (4) master thesis in Surface Science
- I coordinated (scientific and administrative) of three (3) European projects, five (5) national projects and have been the Principal Scientific Investigator in more than ten (10) European or International projects.
- (Co)Authored 71 articles in peer reviewed international journals.(citation index 2225 (August 2015, source Scopus), h-index 20)
- Made more than 50 Scientific conference/workshop presentations (invited 10).
- Provided materials/surface characterization services and consultancy to research groups and industrial laboratories for the investigation of the structure and composition of surfaces of polymers, coatings, paper, ceramics, and various other materials

Achievements in Industry

As a professional (principal) Surface Scientist in the R&D department of P2i ltd., a company that specializes in the production of functional nano-coatings, my main achievements have been

- To identify and develop characterization methods for the evaluation of the company's newest products. My innovative approach lead to the filling of three new patents and the development of a new standard internal QC tools.
- Communicate and present to technical experts of high value (≈10M£) US-based stakeholders, achieving to prove the technical advantages of the company's new functional coatings.

PROFESSIONAL AFFILIATIONS

- Member, American Physical Society
- Member, Marie Curie Fellowship Association
- Member, American Chemical Society
- Member, Electrochemical Society

LIST OF PUBLICATIONS IN PEER REVIEWED JOURNALS

1. " An XPS study of carbon segregation on polycrystalline silver" **A.Siokou**, S. Kennou, S. Ladas, *Surface Science* 307-309 , (1994), 810

2. "The local adsorption geometry of oxygen on Pt(210): a SEXAFS study" S. Ladas, S. Kennou, **A. Siokou**, R. Imbihl, T. Fink, F. Mertens, J. Haase, *Surface Science*, 319, (1994), 337

3. "Semiconducting Rhenium Silicide Thin Films on Si(111)"T.A. Nguyen Tan, J.Y. Veuillen, P. Muret, S. Kennou, **A. Siokou**, S. Ladas, F. L. Razafindramisa, M. Brunel, *J. Appl. Physics* 77, (1995), 2514

4. "An XPS study of the Er/Si(100) interface formation" **A.Siokou**, S. Kennou, S. Ladas, *Surface Science*, 331-333, (1995)58

5. "The formation of NO/NH_3 co-adsorption complex on Pt(111) surface: A NEXAFS study." F. Esch, Th. Greber, S. Kennou, **A.Siokou**, S. Ladas, R. Imbihl, *Catalysis Letters*, 38, (1996), 165

6. "Identification of different surface species of NO adsorbed on Ru(0001) with NEXAFS." F. Esch, S. Ladas, S. Kennou, **A. Siokou**, R. Imbihl, *Surface Science*, 355, (1996), L253

7. "Growth and characterization of the Re/Si(111) interface" **A.Siokou**, S. Kennou, S. Ladas, T.A. Nguyen Tan, J.Y. Veuillen, *Surface Science*, 352-354, (1996), 628

8. "An interface study of vapor – deposited Rhenium with the two (0001) polar phases of single crystal 6H-SiC" S. Kennou, **A. Siokou**, I. Dontas, S. Ladas, *Diamond and Rrelated Materials*, 6, (1997), 1424

9. "Hydrotreatment of spent lube oil: Catalysts and Reactor Performance" C. Yiokari, O. Morphi, **A. Siokou**, F. Satra, S. Bebelis, C.G. Vayenas, D. Karavasilis, G. Deligiorgis. *Studies in Surface Science and Catalysis*,106, (1997),323

10. "Surface reactions of Nitrogen Oxide on Rhodium(100). Adsorption, Dissociation and Desorption. **A.Siokou**, R.M. van Hardeveld, J. W. Niemantsverdriet, *Surface Science*, 404, (1998), 110

11. "Interaction of methanol with well defined ceria surfaces. A RAIRS, XPS and TPD study." **A.Siokou**, R. M. Nix, *J. Phys. Chem*. B, 103, (1999), 6984-6997.

12. "Adsorpion of ammonia on the Rhodium (111) and (100) and stepped (100) surfaces, an ab-initio and experimental study" F. Frechard, R. A. van Santen, **A. Siokou**, J.W. Niemantsverdriet, J. Hafner *J. Chem. Phys*., 111 (1999) 8124-8130

13. "Photocatalytically deposited silver nanoparticles on mesoporous TiO_2 films." E. Stathatos, P. Lianos, P. Falaras, **A. Siokou**, *Langmuir* 16, (2000), 2398

14. "Interaction of Methanol with Lanthanum Oxide and LaOx/Cu(111) Interfaces. I. Adsorption and Thermal Decomposition"M. de Asha, J.T.S. Critchley, **A. Siokou** and R. M. Nix, *Journal of Physical Chemistry Chemical Physics* 2, (2000), 4758-4767.

15. "Effect of the tungsten and molybdenum oxidation states in the thermal coloration and bleaching of amorphous WO_3 films." **A.Siokou**, G. Lefteriotis, S. Papaefthimiou, P. Yianoulis, *Thin Solid Films* 384, (2001), 298-306.

16. "A study of the conjugated Ooct-OPV5 oligomer/gold interface using Photoelectron Spectroscopy" **A. Siokou**, V. Papaefthimiou and S. Kennou, *Surface Science* 482-485,

(2001), 1186-1191.

17. "Effect of the tungsten and molybdenum oxidation states on the thermal coloration of amorphous WO_3 and MoO_3 films». **A. Siokou** , G. Leftheriotis, S. Papaefthimiou and P. Yianoulis, *Surface Science* 482-485, (2001) 294-299.

18. OPV5 oligomer on different Si and SiO_2 substrates", V. Papaefthimiou, **A. Siokou** and S. Kennou, *Journal of Applied physics* 91, No7, 4213, (April 2002).

19. "Structure, morphology and electrochemical properties of WO_3 films, prepared by an aqueous sol_gel technique", G. Lefteriotis, S. Papaefthimiou, **A. Siokou**, and P. Yiannoulis, *Applied Surface Science, 218, (2003), 276-281*

20. "XPS study of hydrated $MgCl_2$ impregnation on flat SiO_2/Si(100), Mo and Au substrates", **A. Siokou**, D. Kefalas and S. Dais, *Surface Science,* 532-535 (2003), 472-477

21. "A study of the interface formation between gold and a thin conjugated oligomer film", V. Papaefthimiou, **A. Siokou** and S. Kennou, *Surface Science,* 532-535 (2003) 255-260.

22. "Molecular Composition and Orientation of Interstitial versus Surface Silicon Oxides for Si(111)/SiO_2 and Si(100)/SiO_2 Interfaces using FT-IR and X-ray Photoelectron Spectroscopies", G. Kandilioti, **A. Siokou**, V. Papaefthimiou, S. Kennou and V. G. Gregoriou, *Applied Spectroscopy*, 57 (2003) 628.

23. "Towards the preparation of realistic model Ziegler-Natta catalysts: XPS study of the $MgCl_2$ /$TiCl_4$ interaction with flat SiO_2/Si(100).", **A. Siokou** and S. Dais, Surface Science, 540 (2003)379-388.

24. "The electronic properties of the interface between a thin conjugated oligomer filmand SiO_2/Si(111), studied by photoemission spectroscopies", V. Papaefthimiou**,** **A. Siokou** and S. Kennou, Thin Solid Films 459 (1-2): 32-36 (2004)

25. "Influence of the substrate on the electrochromic characteristics of lithiated α-WO_3 layers", A. Siokou, S. Ntais, S. Papaefthimiou, G. Lefteriotis and P. Yiannoulis, Surf. Sci.566: 1168-1173 Part 2 (2004)

26. "A photoemission study of the Ooct-OPV5/SiO_2/Si(111) interface: the effect of the SiO_2 inter-layer thickness", V. Papaefthimiou, **A. Siokou** and S. Kennou, Surf. Sci. 569 (1-3): 207-218 (2004).

27. "$TiCl_4(THF)_2$ impregnation on a flat SiO_x/Si(100) and on polycrystalline Au foil: determination of surface species using XPS." S. Ntais, V. Dracopoulos and **A. Siokou** J.

Mol. Cat. A Chem.220 (2): 199-205 (2004)

28. "An XPS investigation of the interaction mechanism between $AlEt_3$ and $TiCl_4$ supported on sputtered native SiO_x layer." S. Ntais and **A. Siokou,** J Mol. Cat. A Chem.245: 87-92 (2006).

29. "Substrate related properties of evaporated CeO_x ion storage layers." **A. Siokou,** S. Ntais, V. Drakopoulos, S. Papaefthimiou, G.Lefteriotis and P. Yiannoulis, Thin Solid Films, 514: 87-96 (2006)

30. "Photoemission studies of As_xSe_{100-x} (x: 0, 50, 100) films prepared by pulsed-laser deposition on Si substrates. The effect of annealing." **A. Siokou,** M. Kalyva, S. N. Yannopoulos, M. Frumar, P. Němec, *J. Phys.: Condens. Matter 18 (23), (2006), 5525-5534*

34. "XPS investigation of the interaction between $TiCl_4(THF)_2$ and $AlEt_3$ modified SiO_x/Si(100) surface.", S. Ntais and **A. Siokou** Surface Science600 (18), (2006), pp. 4216-4220.

35. "Nano-scale annealing-induced structural changes in As-rich pulsed laser deposited As_xSe_{100-x} films studied by XPS" **A. Siokou** M. Kalyva S. N. Yannopoulos P. Nemec, M. Frumar, Journal of Non- Crystalline solids, 352:1520-1524 (2006).

36. "The electronic structure of the interface between thin conjugated oligomer films and inorganicsubstrates with different work function." V. Papaefthimiou, **A. Siokou** and S. Kennou Surface Science. 600 (18), (2006) pp. 3987-3991.

37. "Low Temperature Restructuring Processes in Polyhydrosilanes" Liviu Sacarescu, **A. Siokou**, Rodinel Ardeleanu, Gabriela Sacarescu, Mihaela Simionescu, *Macromolecular Rapid Communications, 27 : 1054-1059 (2006).*

38. "Electronic and structural changes induced by irradiation or annealing in pulsed laser deposited $As_{50}Se_{50}$ films. An XPS and UPS study." M. Kalyva, **A. Siokou**, S. N. Yannopoulos, P. Němec and M. Frumar." *Journal of Physics and Chemistry of Solids* 68 (5-6), (2007) pp. 906-910

39. "Chemical Oxidation of Multi Walled Carbon Nanotubes" V. Datsyuk, M. Kalyva, K. Papagelis, J. Parthenios, D. Tasis, **A. Siokou,** I. Kallitsis and C. Galiotis, *Carbon 46 (6) 833-840, (2007).*

40. **"**The electrokinetics of CO oxidation on Pt4 Mo (20 wt %) C interfaced with nafion membrane" George Papakonstantinou, Fotis Paloukis, **Angeliki Siokou**, and Stylianos G. Neophytides, *Journal of the Electrochemical Society* 154 (10), pp. 989-997.

41. "Covalently functionalized carbon nanotubes as macroinitiators for radical polymerization"K. Papagelis, M. Kalyva, D. Tasis, J. Parthenios, **A. Siokou**, and C. Galiotis, *Phys. Stat. Sol.* (b), 1–5 (2007)

42. "Methylhydrosilyl Chemo-structural Effects in Polyhydrosilanes" Liviu Sacarescu, **Angeliki Siokou**, Gabriela Sacarescu, Mihaela Simionescu, Ionel Mangalagiu, *Macromolecules* 2008; 41(3); 1019-1024

43. "The interfacial properties of $MgCl_2$ thin films grown on Si(111)7x7" Karakalos S., **Siokou A.** Dracopoulos B., Sutara F., Skala T. Skoda M., Ladas S., K. Prince, V. Matolin, V. Chab *J. Chem. Phys.* **128**, 104705 (2008)

41. "Soft x-ray induced Ag diffusion in amorphous PLD $As_{50}Se_{50}$ chalcogenide thin films: An XPS and SIMS study." M. Kalyva, **A. Siokou**, S. N. Yannopoulos, T. Wagner, M. Krbal, J. Orava and M. Frumar *Journal of Applied Physics* **104** (4), art. no. 043704 (*2008)*

42. "Ag diffusion in amorphous $As_{50}Se_{50}$.films studied by XPS." M. Kalyva , **A. Siokou**, S. N. Yannopoulos, T. Wagner, M. Krbal, J. Orava, M. Frumar, *Journal of Non-Crystalline Solids* 355 Issue: 37-42 1844-1848 *(2009)*

43. "The interfacial properties of $MgCl_2$ films grown on a flat SiO_2/Si substrate. An XPS and ISS study." S. Karakalos, **A.Siokou**, and S. Ladas, *Applied Surface Science* 255 (21), (2009) pp. 8941-8946

44."Surface modification of polyhedral oligomeric silsesquioxane block copolymer films by 157 nm laser light" Sarantopoulou E, Kollia Z, Cefalas AC, **Siokou A.E.**, Argitis P, Bellas V, Kobe S, *J. Appl. Phys*.105 (11) Art. No: 114305 (2009)

45."Structural and Optical Properties of Polyhydrosilanes, Liviu Sacarescu, Andreas Bockholt, **Angeliki Siokou**,Mihaela Simionescu*a*, Gabriela Sacarescu*a*,Livia Sima, *Macromolecular Chemistry and Physics* 210 (23), (2009) pp. 2015-2021

46. "γ-Al2O3 nanoparticle production by arc-discharge in water: in-situ discharge characterization and nanoparticle investigation" D. Delaportas, P. Svarnas, I. Alexandrou, **A. Siokou,** K. Black, and J.W. Bradley, *Journal of Physics D: Applied Physics* 42 (24), (2009) art. no. 245204

47. "Chemical Synthesis and Self-Assembly of Hollow Ni/Ni2P Hybrid Nanospheres Zafiropoulou I, Papagelis K, Boukos N,, **Siokou A.**, Niarchos D. Tzitzios V, *J. Phys. Chem. C* 114 (17) (2010), pp.7582-7585

48. "Potentiodynamic estimation of key parametric criterions and interrelating reversible spillover effects for electrochemical promotion" Jaksic, J.M., Labou, D., Lacnjevac, C.M., **Siokou, A**., Jaksic, M.M. *Appl. Cat. A (General)Sept. 2010 in press*

49. "$CoMo/Al_2O_3$-SiO_2 catalysts prepared by co-equilibrium deposition filtration: Characterization and catalytic behavior for the hydrodesulphurization of thiophene" Vakros, J., Lycourghiotis, A., Voyiatzis, G.A., **Siokou, A**., Kordulis, C. *Applied Catalysis B: Environmental* 96 (3-4),(2010) pp. 496-507

50. "Polymer and hybrid electron accepting materials based on a semiconducting Perfluorophenylquinoline" Stefopoulos, A.A., Kourkouli, S.N. , Economopoulos, S., Ravani, F., Andreopoulou, A. , Papagelis, K. , **Siokou, A**., Kallitsis, J.K. *Macromolecules* 43, (11), (2010), PP.4827-4828

51. **"**Adsorption of block copolymers in nanoporous alumina**"** Karagiovanaki, S., Koutsioubas, A., Spiliopoulos, N., Anastassopoulos, D.L., Vradis, A.A., Toprakcioglu, C., **Siokou, A.E**. *Journal of Polymer Science, Part B: Polymer Physics* 48 (14), (2010), pp. 1676-1682

52. **"**The interfacial properties of $MgCl_2$ thin films grown on Ti(0001)**"** Karakalos, S., **Siokou, A.**, Sutara, F., Skala, T., Vitaliy, F., Ladas, S., Prince, K., Chab, V. *Journal of Chemical Physics* 133 (7), (2010). ART. NO. 074701

53. "Novel Spillover Interrelating Reversible Electrocatalysts for Oxygen and Hydrogen Electrode Reactions" Jaksic, Jelena; Labou, Diamantoula; Papakonstantinou, Georgos; **Siokou, Angeliki;** Jaksic, Milan, *The Journal of Physical Chemistry 114 (43), (2010) p.p 18298-18312*

54. "Electrochemical oxidation of multiwall carbon nanotubes", Moraitis G., Spitalsky X., Ravani F., **Siokou A**. amd Galiotis C., *Carbon* 49 (8), (2011), pp.2702-2708

55. "CuO/Ta2O5 core/shell nanoparticles produced by arc-discharge in water" D. Delaportas1, P. Svarnas, I. Alexandrou, S.N. Georga, C.A. Krontiras, N.I. Xanthopoulos, **A. Siokou**, P.R. Chalker *Materials Letters* 65 (15-16) ,2011, pp. 2337-2340

56. "Spillover Phenomena and Its Striking Impacts in Electrocatalysis for Hydrogen and Oxygen Electrode Reactions," by Georgos D. Papakonstantinou, Jelena M. Jaksic, Diamantoula Labou, **Angeliki Siokou** and Milan M. Jaksic *Advances in Physical Chemistry, 2011 , art. no. 412165*

57. "Surface refinement and electronic properties of graphene layers grown on copper substrate. An XPS, UPS and EELS study" **A. SIokou** F. Ravani, S. Karakalos, O. Frank, M. Kalbac, C. Galiotis, *Applied Surface Science* 257 (23) ,(2011), pp. 9785-9790

58. CO 2-laser-induced growth of epitaxial graphene on 6H-SiC(0001). Yannopoulos, S.N., **Siokou, A.**, Nasikas, N.K., Dracopoulos, V., Ravani, F., Papatheodorou, G.N. *Advanced Functional Materials* 22 (1) , 2012, pp. 113-120

59. Preparation and characterization of Ir x Pt 1-x O 2 anode electrocatalysts for the oxygen evolution reaction◎ Papazisi, K.M., **Siokou, A**., Balomenou, S., Tsiplakides, D. *International Journal of Hydrogen Energy* , 2012, 37 (21) , pp. 16642-16648

60. Hydrogenation of CO 2 over Ru/YSZ electropromoted catalysts , ◎ Theleritis, D., Souentie, S., **Siokou, A**., Katsaounis, A., Vayenas, C.G. *ACS Catalysis* 2 (5) ,2012, pp. 770-780

61. Degradation mechanisms of Pt counter electrodes for dye sensitized solar cells◎ Syrrokostas, G., **Siokou, A**., Leftheriotis, G., Yianoulis, P. *Solar Energy Materials and Solar Cells* 103 , 2012, pp. 119-127

62. Investigation of the Ti/$MgCl_2$ interface on a Si(111) 7 × 7 substrate, Karakalos, S., Skala, T., Plekan, O., Ladas, S., Prince, K., Matolin, V., Chab, V., **Siokou, A**., *Journal of Chemical Physics* 136 (22) , 2012, art. no. 224703

63. Reversible Amorphous-to-Amorphous Transitions in Chalcogenide Films: Correlating Changes in Structure and Optical Properties, Maria Kalyva , Jiri Orava,

Angeliki Siokou , Martin Pavlista , Tomas Wagner ,and Spyros N. Yannopoulos, *Advanced Functional Materials, (2013), 23 (16), 20052-59.*

64. Graphene production by dissociation of camphor molecules on nickel substrate, Fotini Ravania,b, Konstantinos Papagelisa, Vassilios Drakopoulosa, John Partheniosa, Konstantinos G. Dassiosa, **Angeliki Siokou** and Costas Galiotis, *This Solid Films,527, (2013), 31-37*

65. 'Electronic properties of semiconducting-polymer functionalized Carbon nanotubes' Kourkouli, S.N., Siokou, A. , Stefopoulos, A.A., Ravani, F., Plocke, T., Müller, M., Maultzsch, J., Thomsen, C., Papagelis, K., Kallitsis, J.K. *Macromolecules 46, Issue 7, 9 April 2013, 2590-2598*

68. 'Self cleaning behavior of Ni/nano-TiO2 metal matrix composites' S. Spanou, I Kontos, A. Siokou, N. Vaenas, P. Falaras, E. Pavlatou, *Electrochimica Acta 105, (2013) pp. 324-332*

67. Pt-Ir Binary Electrodes for Direct Oxidation of Methanol in Low-Temperature Fuel Cells (DMFCs) Papaioannou, E.I. , Siokou, A., Comninellis, C., Katsaounis, A. Electrocatalysis Volume 4, Issue 4, 2013, Pages 375-381

69. 'Controlled release of 5-fluorouracil from microporous zeolites' Spanakis, M., Bouropoulos, N., Theodoropoulos, D., Sygellou, L., Ewart, S., Moschovi, A.M., Siokou, A., Niopas, I., Kachrimanis, K., Nikolakis, V., Cox, P.A., Vizirianakis, I.S., Fatouros, D.G. Nanomedicine: Nanotechnology, Biology, and Medicine Volume 10, Issue 1, January 2014, Pages 197-205

70. 'Evaluation of the electronic properties of hybrid semiconducting materials' Lambrini Sygellou, Sofia Kakogianni, Aikaterini K. Andreopoulou, Krystallia Theodosiou, George Leftheriotis, Joannis K.Kallitsis and **Angeliki Siokou** *submitted in ACS Nano (July 2015)*

71. Revealing the role of real graphene surface in titanium/graphene interface by photoelectron spectroscopy Fotini Ravani, Stavros Karakalos, Costas Galiotis and **Angeliki Siokou** *submitted JPC (June 2015)*

Book Chapter

Spillover Phenomena in Electrocatalysis for Oxygen and Hydrogen Electrode Reactions
Jaksic, J.M., Papakonstantinou, G.D., Labou, D., Siokou, A., Jaksic, M.M.
New and Future Developments in Catalysis: Hybrid Materials, Composites, and Organocatalysts

(2013) pages 175-212

Patents (x4)

Other publications (3)

1) **A. Siokou**, " Elementary reactions of nitrogen oxide and ethylene on single crystal surfaces", *NIOK Onderzoek, The Netherlands,1996.*

2) D. Kefalas and **A. Siokou** "Preparation and of realistic model polymerisation catalysts and characterisation with XPS and AFM" *Chimica Chronica,* Vol. 7-8, pp.223-225 July-August 2001

3) Educational material for the distance education of graduate students (Hellenic Open University) Preparation of a multimedia course with title *"Introduction to X-ray and UV-photoelectron spectroscopies" (June 2005).*