Materials Synthesis & Physical Chemistry Publications 2008 - 1996

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3. "Optical basicity and refractivity in mixed oxyfluoride glasses",
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4. Publications in Technical Journals

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5. Patents

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6. Dissertations

a. PhD theses

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3. "On the study of the internal micromorphology and fossilization of cenozoic vertebrates by radioanalytical techniques",
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5. "Structure and properties of alkali germanate glasses",
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7. "Unconventional low-dimensional semiconducting systems",
I.B. Koutselas, supervisor G.C. Papavassiliou, University of Athens (1998).

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b. MSc theses

1. "Nanovessels and nanoreactors from block copolymers",
O. Chorianopoulou, supervisor Dr. S. Pispas, University of Athens, Chemistry Dept. (2008).

2. "Amphiphilic block copolymers: Synthesis and self-assembly in aqueous solutions",
E. Kaditi, supervisor Dr. S. Pispas, University of Athens, Chemistry Department (2008).

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4. "Study of adsorption of amphilic diblock copolymers by FT-ATR spectroscopy", M. Karayianni, supervisors V. Gionis, S. Pispas and G.D. Chryssikos, University of Athens, Chemistry Dept. (2006).

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6. "Vibrational study of glazes and ceramic materials for the reproduction of ceramic artefacts of archaeological value",
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7. "Polymer adsorption of the water-germanium interface: Monitoring by ATR spectroscopy in the mid infrared",
I. Keskini, supervisor G.D. Chryssikos, University of Athens, Chemistry Department (2003).

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10. "Optical properties determination and thickness of NiO thin films grown by Pulsed Laser Deposition (PLD)",
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D. Vassou, supervisors V. Gionis and G.D. Chryssikos, University of Athens, Chemistry Department (2002).

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L. Athanasekos, supervisors M. Kompitsas and N. Vainos, Universities of Heriot-Watt / St. Andrews (2002).

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c. Honors theses

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E. Farfarelos, supervisor Dr. S. Pispas, National Technical University of Athens, Department of Chemical Engineering (2008).

3. “On the problem of laser light diffraction in polymeric materials and proteins”,
Th. Theodorikakos, supervisors E. Sarantopoulou, A.A. Serafetinides and M. Makropoulou, National Technical University of Athens, School of Applied Mathematics and Physical Sciences (2008).

4. “Synthesis and study of phthalocyanines”,
D. Antonopoulos, A. Dalmara, supervisors G.A. Mousdis and N. Psaroudakis, University of Athens**,** Chemistry Department (2007).

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A. Vogiantzi, supervisors G.A. Mousdis and N. Psaroudakis, University of Athens**,** Chemistry Department (2006).

6. “Theoretical and experimental determination of the thickness of NiO thin films grown by Pulsed Laser Deposition (PLD)”,
D. Kontis, supervisors M. Kompitsas and F. Roubani-Kalantzopoulou, National Technical University of Athens, Chem. Eng. Dept. (2006).

7. “Growth of NiO and ZnO thin films by Pulsed Laser Deposition (PLD) and their optical and structural characterization”,
I. Fasaki, supervisors M. Kompitsas and F. Roubani-Kalantzopoulou, National Technical University of Athens, Chem. Eng. Dept. (2005).

8. “Elemental determination in ceramic matrices by laser-induced plasma spectroscopy”,
A. Diamantopoulou, supervisors M. Kompitsas and F. Roubani-Kalantzopoulou, National Technical University of Athens, Chem. Eng. Dept. (2000).

9. "Qualitative and quantitative determination of Cr and Ni on steel samples by Laser-induced Plasma spectroscopy",
A. Giannoudakos, supervisors M. Kompitsas and F. Roubani-Kalantzopoulou, National Technical University of Athens, Chem. Eng. Dept. (1999).

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I. Dalmaris and I. Koniaris, supervisors E.I. Kamitsos and A.T. Tsatsas, University of Athens**,** Chemistry Department (1998).

12. "Structural and diffusion studies of oriented low-density polyethylene films",
I. Christofides, supervisors E.I. Kamitsos and C.D. Papaspyrides, National Technical University of Athens, School of Chemical Engineering (1996).

7. Publications in Technical Journals / Miscellaneous Publications

1. "Impressions and conclusions from the 4th Chemistry Olympiad",
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Chimica Chronica 10, 14 (2008).

2. "New laser technique for controlled doping of external impurities in thin films",
M. Kompitsas,
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E. Aloupi, V. Paschalis, S. Stassinopoulos, V. Tornari, D. Anglos, V. Gionis and G.D. Chryssikos,
The Annual Journal of the Benaki Museum 5, 87-114 (2005).

8. Conference Presentations

2008

1. "Nonlinear optical properties and structural changes of thermally poled borosilicate glasses",
D. Möncke*, M. Dussauze and E.I. Kamitsos,
82nd German Glass Technical Conference and International Glass Trend Sessions on Glass Melting (DGG-HVG 2008), Hamelin, Germany, May 19-21, 2008 (oral).

2. "Structure of lithium-borosulphate oxynitride thin film amorphous electrolytes",
E.I. Kamitsos*, M. Dussauze, C.P.E. Varsamis, Y. Hamon and P. Vinatier,
The 6th International Conference on Borate Glasses, Crystals and Melts – Borate2008, Himeji, Japan, August 18-22, 2008 (oral).

3. "Thermal poling of sodium borosilicate glasses",
D. Moencke*, M. Dussauze, E.I. Kamitsos and D. Ehrt,
The 6th International Conference on Borate Glasses, Crystals and Melts – Borate2008, Himeji, Japan, August 18-22, 2008 (oral).

4. "Thin amorphous electrolytes by infrared spectroscopy",
E.I. Kamitsos,
W.M. Risen Symposium, Chemistry Dept., Brown University, USA, Sept. 20, 2008 (invited lecture).

5. "Structural investigation of lead borate glasses by vibrational spectroscopy",
N. Makris*, C.P.E. Varsamis and E.I. Kamitsos,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (oral).

6. "Direct compositional evaluation of palygorskite by near-infrared spectroscopy",
G.D. Chryssikos*, V. Gionis, G.H. Kacandes, M. Suárez, E. García-Romero and M. Sanchez del Rio,
ALUSIV Conference – Aluminium and Silicon in Soils and the Environment, The Macaulay Institute, Aberdeen, Scotland U.K., September 3-5, 2008 (oral).
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7. "Synchronous fluorescence spectroscopy and classical assays: tools for monitoring olive oil stability",
K.I. Poulli*, G.A. Mousdis and C.A. Georgiou,
6th Euro Fed Lipid Congress: Oils, Fats and Lipids in the 3rd Millennium: challenges, achievements and perspectives, Athens, Greece, September 7-10, 2008 (oral).

8. "Chemical and optical properties of chromophoric dissolved organic matter (CDOM) in coastal and open waters of the eastern Mediterranean sea",
D. Tsoliakos*, C. Zeri, M. Tzortziou, G.A. Mousdis and I. Hatzianestis,
SESAME 1st Scientific Workshop, Palma de Mallorca, Spain, November 18–20, 2008 (poster).

9. "pH-responsive self-assemblies of the amphiphilic block polyelectrolyte polystyrene-block-poly((sulfamate-carboxylate)isoprene)",
M. Stepanek*, M. Uchman, K. Prochazka, G. Mountrichas and S. Pispas,
7th International Symposium on Polyelectrolytes (Polyelectrolytes 2008), Coibra, Portugal, June 16-19, 2008 (poster).

10. "Diffractive optic nanocomposite sensors",
L. Athanasekos*, M. Vasileiadis, A. Meristoudi, S. Pispas, G. Mousdis, A. Tsigara, V. Karoutsos and N.A. Vainos,
5th International Conference on Nanosciences and Nanotechnologies (NN08), Thessaloniki, Greece, July 14-16, 2008 (poster).

11. "Self-assembled colloids formed by block copolymers and DNA",
M. Talelli, G. Mountrichas and S. Pispas*,
48th Microsymposium on Macromolecules "Polymer Colloids: From design to biomedical and industrial applications", Prague, Czech Republic, July 20-24, 2008 (poster).

12. "Self-assembled colloids from block copolymers and vesicle-forming surfactant",
S. Pispas,
48th Microsymposium on Macromolecules "Polymer Colloids: From design to biomedical and industrial applications", Prague, Czech Republic, July 20-24, 2008 (poster).

13. “Induced micellization by interaction of double hydrophilic block copolymers with metal compounds”,
M. Uchman*, K. Prochazka, K. Gatsouli and S. Pispas,
48th Microsymposium on Macromolecules “Polymer Colloids: From design to biomedical and industrial applications”, Prague, Czech Republic, July 20-24, 2008 (poster).

14. “Assembly of functionalized monodispersed CdSe nanoparticles in an orientationally anisotropic liquid-crystalline environment”,
E. Karatairi*, G. Basina, G. Nounesis, D. Niarchos, S. Pispas, J. Arvanitidis, D. Christofilos, N. Boukos and V. Tzitzios,
MNE 2008, Athens, Greece, September 15-18, 2008 (poster).

15. “Hybrid materials photonic sensors”,
M. Vasileiadis, L. Athanasekos, A. Meristoudi*, S. Pispas, G.A. Mousdis, A. Tsigara, V. Karoutsos and N.A. Vainos,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (oral).

16. “Block and random copolymers encapsulating metal nanoparticles: Development and non linear optical properties”,
A. Meristoudi*, K. Iliopoulos, S. Pispas, N.A. Vainos and S. Couris,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

17. “Light induced filament formation in transparent polymer solutions”,
E. Anyfantakis*, B. Loppinet, C. Mantzaridis, S. Pispas and G. Fytas,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

18. “Hybrid materials photonic structures microething and applications”,
L. Athanasekos*, D. Alexandropoulos, M. Vasileiadis, E. Karoutsos, S. Pispas, G.A. Mousdis, A. Meristoudi, A. Botsialas and N.A. Vainos.
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

19. “Self-assembled nanostructures from block copolymers and vesicle-forming surfactant in aqueous solutions”,
S. Pispas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (oral).

20. “Dynamics of zwitterion terminated polystyrene at a glass-solution interface studied by evanescent wave dynamic light scattering”,
A. Tsigkri, B. Loppinet* and S. Pispas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (oral).

21. “Effect of lithium salt concentration on the self-assembly of PEO-based block copolymer electrolytes”,
E.F. Ioannou*, K.D. Gatsouli, S. Pispas, E.I. Kamitsos and G. Floudas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (oral).

22. “β-Lactam functionalized amphiphilic block copolymers from poly(isoprene-b-ethylene oxide) copolymers”,
E. Kaditi* and S. Pispas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

23. “Light induced micro-fiber formation in transparent polymer solutions”,
A. Anyfantakis*, B. Loppinet, C. Mantzaridis, S. Pispas and G. Fytas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

24. “Complexation of hen egg white lysozyme with sodium [(sulfamate-carboxylate) isoprene] polyelectrolytes”,
M. Karayianni*, G. Mountrichas, S. Pispas, G.D. Chryssikos and V. Gionis,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

25. “Lithium ion induced nanophase ordering and ion mobility in ionic block copolymers”,
E.F. Ioannou*, G. Mountrichas, S. Pispas, E.I. Kamitsos and G. Floudas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

26. “Reversible self-assembled nanostructures from block polyampholytes”,
C. Mantzaridis* and S. Pispas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

27. “Self-assembly in mixed amphiphilic diblock copolymers-zwitterionic surfactants aqueous solutions”,
K. Dimitroulopoulos* and S. Pispas,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

28. “Formation of gold nanoparticles in the corona of di- and triblock copolymer micelles”,
A. Meristoudi*, S. Pispas and N.A. Vainos,
7th Hellenic Polymer Conference, Ioannina, Greece, September 28-October 1, 2008 (poster).

29. “Structure of amphiphilic polyisoprene-poly(ethylene oxide) block copolymers in very dilute aqueous solution”,
G. Mountrichas, A. Stocco, S. Pispas, K. Tauer and R. Sigel*,
Julich Soft Matter Days 2008, Julich, Germany, November 11-14, 2008 (poster).

30. “High resolution ellipsometric studies on bare fluid interfaces”,
A. Stocco, K. Tauer, S. Pispas and R. Sigel*,
Julich Soft Matter Days 2008, Julich, Germany, November 11-14, 2008 (poster).

31. “Chemical modifications of carbon nanohorns”,
N. Tagmatarchis,
24th General Fullerenes and Nanotubes Symposium, Nagoya, Japan, April 2-4, 2008 (invited lecture).

32. “Decoration of carbon nanohorns with palladium and platinum nanoparticles”,
N. Karousis*, M. Yudasaka, S. Iijima and N. Tagmatarchis,
ChemOnTubes2008, Zaragoza, Spain, April 6-9, 2008 (poster).

33. “Chemical functionalization of carbon nanohorns”,
N. Tagmatarchis,
213th Electrochemical Society (ECS) Meeting, Phoenix, Arizona, USA, May 18-23, 2008 (invited lecture).

34. “Porphyrin-pyrene-single walled carbon nanotube and porphyrin-ferrocene-single walled carbon nanotubes triads as efficient intrahybrid electron transfer systems”,
S. Economopoulos*, N. Karousis, A. Skondra, A. G. Coutsolelos and N. Tagmatarchis,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

35. “Alignment of functionalized carbon nanotubes in weak magnetic fields”,
N. Karousis*, J. Tumpane, B. Norden and N. Tagmatarchis,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

36. “Photoelectrochemical solar cells of nanostructured thin films composed of carbon nanohorn−porphyrin (CNH-H_2P)”,
G. Pagona*, T. Hasobe, G. Charalambidis, A. G. Coutsolelos and N. Tagmatarchis,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (poster).

37. “Carbon nanohorn-(terpyridine) copper(II) metallo-nanocomplexes: Photoinduced electron transfer proccesses for solar energy conversion”,
G. Rotas* and N. Tagmatarchis,
XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, Greece, September 21-24, 2008 (oral).

38. “Self-assembled ferromagnetic and superparamagnetic structures of Fe block copolymers hybrids”,
E. Sarantopoulou*, A.C. Cefalas, Z. Kollia, S. Pispas and S. Kobe,
Women in Nano Winter School, Kranjska Gora, Slovenia, February 7-9, 2008 (invited talk).

39. “Photonic methods and materials for remote point sensing”,
M. Vasileiadis*, L. Athanasekos, A. Meristoudi, S. Pispas, G. Mousdis, A. Tsigara, V. Karoutsos and N.A. Vainos, COST Training School (COST ACTION MP0604), Ischia (Naples), Italy, 2008 (oral).

40. “Diffractive optical elements and novel microstructures for photonic applications”,
L. Athanasekos*, M. Vasileiadis, A. Meristoudi, S. Pispas, G. Mousdis, D. Alexandropoulos, V. Karoutsos and N.A. Vainos, COST Training School (COST ACTION MP0604), Ischia (Naples), Italy, 2008 (oral).

41. “The effect of Au nanoclusters in tin oxide film gas sensors”,
G.A. Mousdis*, M. Kompitsas, I. Fasaki, M. Suchea and G. Kiriakidis,
NATO-ASI on “Nanostructured Materials for Advanced Technological Applications”, Sozopol, Bulgaria, June 1-13, 2008 (poster).

42. “Gas sensing properties of ZnO field-effect transistor enhanced by Au nanoparticles”,
F.V. Farmakis, K. Alexandrou, C. Tsamis, Th. Speliotis, I. Fasaki, M. Kompitsas*, S. Kennou, S. Ladas and P. Jedrasik,
Conf. Proc. Eurosensors XXII, Dresden, Germany, September 7-10, 2008 (poster).

43. “Hydrogen gas sensing application of Al/NiO Schottky diode”,
M. Stamataki, I. Fasaki, Ch. Sargentis, D. Tsamakis* and M. Kompitsas,
IEEE Sensors 2008, Lecce, Italy, October 26-29, 2008 (poster).

44. "Optical properties of NiO and TiO_2 thin films and application on hydrogen sensing",
I. Fasaki*, A. Rehakova, I. Hotovy, V. Rehacek, M. Kompitsas, F. Roubani-Kalantzopoulou,
2nd Int'l. Symposium on Transparent Conducting Oxides, Hersonissos, Crete, October 22-26, 2008 (poster).

45. "ZnO transparent thin films grown by PLD for hydrogen sensing applications",
M. Stamataki*, G. Tsonos, D. Tsamakis, I. Fasaki and M. Kompitsas,
2nd Int'l. Symposium on Transparent Conducting Oxides, Hersonissos, Crete, October 22-26, 2008 (oral).

46. "The effect of Au and Pt nanoclusters on the structural and hydrogen sensing properties of SnO_2 thin films",
I. Fasaki*, M. Suchea, G. Mousdis, G. Kiriakidis and M. Kompitsas,
2nd Int'l. Symposium on Transparent Conducting Oxides, Hersonissos, Crete, October 22-26, 2008 (poster).

47. "Laser-induced breakdown spectroscopy for on-line sulfur minerals analyses in ambient conditions".
M. Gaft, L. Nagli, I. Fasaki, M. Kompitsas and G. Wilsch*,
5th International Conference on LIBS, Berlin, Germany, September 22-26, 2008 (poster).

2007

48. "Functional nanostructured materials and applications",
E.I. Kamitsos,
Swedish-Hellenic Life Science Research Conference, Örebro, Sweden, 24–26 May 2007 (Invited Talk).

49. "Glass structure by vibrational spectroscopy: Structure of glass thin films by infrared techniques",
E.I. Kamitsos*, M. Dussauze and C.P.E. Varsamis,
XXIst International Congress on Glass, ICG 2007, Strasbourg, France, July 1-6, 2007 (Topical Invited Talk).

50. "Non linear properties of mixed cation glasses",
C.P.E. Varsamis,
20th Summer School in non-linear science and complexity, Patras, Greece, July 19-29, 2007 (oral).

51. "Quantitation of virgin olive oil adulteration through synchronous fluorescence spectroscopy",
K. I. Poulli*, G.A. Mousdis and C.A. Georgiou,
2nd Greek Conference, "Fats, oils and lipids: present and future", Greek Lipid Forum, Athens 7-8 June 2007 (oral).

52. "Synchronous fluorescence: tool for virgin olive oil adulteration assessment",
K.I. Poulli*, G.A. Mousdis and C.A. Georgiou,
2nd Greek Conference of Biotechnology and Food Technology, Athens, 29-31 March 2007 (oral).

53. "Study of the intercalation of methylamine pyrene in layered materials",
A. Enotiadis*, Th. Tsoufis, D. Gournis and G.A. Mousdis,
3rd Greek symposium of porous materials, Thessaloniki, 1-2 November 2007 (oral).

54. “How to modify properties of low dimensional organic conductors? Spectral Investigations”,
A. Barszcz*, A. Graja, G.A. Mousdis and G. Soras,
IXth International Conference on Molecular Spectroscopy, Wrocław-Lądek Zdrój (Poland), 12-16 September 2007 (oral).

55. “Spectral studies of new organic conductor (ETOEDT-PDT-TTF)$_2$I$_3$: Normal mode vibrations of the non symmetrical π-electron donor”,
A. Barszcz*, A. Graja, G. Soras and G.A. Mousdis,
IXth International Conference on Molecular Spectroscopy, Wrocław-Lądek Zdrój (Poland), 12-16 September 2007 (poster).

56. “Common structural aspects of trioctahedral palygorskite and sepiolite by vibrational spectroscopy”,
E.T. Stathopoulou, G.H. Kacandes, I.D. Kastritis, V. Gionis and G.D. Chryssikos*,
EUROCLAY 2007, Aveiro, Portugal, 22-27 July 2007 (oral).

57. “Photoinduced charge separation of chemically modified carbon nanohorns”,
O. Ito*, A. Sandanayaka, Y. Araki, M. Yudasaka, S. Iijima and N. Tagmatarchis,
32nd Fullerene & Nanotubes General Symposium, Nagoya, Japan, February 13-15, 2007 (poster).

58. “Non-adiabatic lattice dynamics and Raman spectra of metallic nanotubes”,
W. Plank*, H. Kuzmany and N. Tagmatarchis,
21st International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Austria, March 10-17, 2007 (poster).

59. “Chemical functionalization of carbon nanohorns”,
G. Pagona* and N. Tagmatarchis,
2nd Greek Organic Chemistry Workshop, Athens, Greece, April 19-21, 2007 (poster).

60. “Regioselective triphenylamine-directed synthesis of C_{60} bis-adducts”,
G. Rotas* and N. Tagmatarchis,
2nd Greek Organic Chemistry Workshop, Athens, Greece, April 19-21, 2007 (poster).

61. “Hybrid materials based on polymers and carbon nanostructures”,
G. Mountrichas*, S. Pispas and N. Tagmatarchis,
2nd Greek Organic Chemistry Workshop, Athens, Greece, April 19-21, 2007 (poster).

62. “Self-assembly of palladium nanoparticles onto carbon nanotubes and their catalytic activity in hydrogenation reactions”,
N. Karousis*, G.-E. Tsotsou, N. Ragoussis and N. Tagmatarchis,
2nd Greek Organic Chemistry Workshop, Athens, Greece, April 19-21, 2007 (poster).

63. “Methodologies for the functionalization of carbon nanohorns”,
G. Pagona* and N. Tagmatarchis,
9th Greece-Cyprus Chemistry Conference, Larnaka, Cyprous, April 27-30, 2007 (poster).

64. “Triphenylamine-based fullerene derivatives”,
G. Rotas* and N. Tagmatarchis,
9th Greece-Cyprus Chemistry Conference, Larnaka, Cyprus, April 27-30, 2007 (oral).

65. “Polymers and carbon-based nanostructures: Advanced hybrid materials for nanotechnological applications”,

G. Mountrichas*, S. Pispas and N. Tagmatarchis,
9th Greece-Cyprus Chemistry Conference, Larnaka, Cyprus, April 27-30, 2007 (oral).

66. "Palladium nanoparticles onto carbon nanotubes: Synthesis, characterization and catalytic activity",
N. Karousis*, G.-E. Tsotsou, N. Ragoussis and N. Tagmatarchis,
9th Greece-Cyprus Chemistry Conference, Larnaka, Cyprus, April 27-30, 2007 (oral).

67. "Diverse strategies for the chemical functionalization of carbon nanohorns",
N. Tagmatarchis,
3rd International Symposium on Nanostructured and Functional Polymer-based Materials and Nanocomposites, Corfu, Greece, May 13-15, 2007 (oral).

68. "Functionalization of carbon nanohorns with polyethylene oxide",
G. Mountrichas*, N. Tagmatarchis and S. Pispas,
International Conference on Surface, Coatings and Nanostructured Materials (NanoSmat2007), Algarve, Portugal, July 9-11, 2007 (oral).

69. "Electronically interplaying carbon nanohorns-porphyrin nanoensembles",
G. Pagona*, G. Charalambidis, A. G. Coutsolelos and N. Tagmatarchis,
7th International Conference on Optical Probes of π-Conjugated Polymers and Functional Self-Assemblies, Turku, Finland, June 10-15, 2007 (poster).

70. "Tether-directed bis-adducts vs dimers of [60]fullerene with triphenylamine",
G. Rotas* and N. Tagmatarchis,
8th Biannial Workshop on Fullerenes and Atomic Clusters (IWFAC'2007), St. Petersburg, Rusia, July 2-6, 2007 (poster).

71. "Resonant processes and Coulomb interactions in $(C_{59}N)_2$",
K. Schulte*, L. Wang, P. Moriarty, K. Prassides and N. Tagmatarchis,
17th International Vacuum Congress (IVC-17), Stockholm, Sweden, July 2-6, 2007 (oral).

72. "Carbon nanohorns-terpyridineCu^{II} nanocomplexes",
G. Rotas* and N. Tagmatarchis,
4th Workshop on Nanosciences and Nanotechnologies (NN07), Thessaloniki, Greece, July 16-18, 2007 (poster).

73. "Water soluble functionalized carbon nanotubes as drug delivery systems",
N. Karousis*, K. Kostarelos and N. Tagmatarchis,
4th Workshop on Nanosciences and Nanotechnologies (NN07), Thessaloniki, Greece, July 16-18, 2007 (oral).

74. "Carbon nanohorns-porphyrins charge transfer systems for photovoltaic applications",
G. Pagona*, G. Charalambidis, A.G. Coutsolelos and N. Tagmatarchis,
4th Workshop on Nanosciences and Nanotechnologies (NN07), Thessaloniki, Greece, July 16-18, 2007 (poster).

75. "Synthesis and applications of polymer functionalized carbon nanostructures",
G. Mountrichas*, S. Pispas and N. Tagmatarchis,
4th Workshop on Nanosciences and Nanotechnologies (NN07), Thessaloniki, Greece, July 16-18, 2007 (poster).

76. "Functionalization of nanohorns",
N. Tagmatarchis,
NanoteC'07 – Nanotechnology in Carbon and Related Materials, Brighton, England, August 29-September 1, 2007 (oral).

77. "Oxidation and reactivity of heterofullerenes",
C. Ewels*, H. El Cheikh, I. Suarez-Martinez, D. Arcon, N. Tagmatarchis, G. van Lier, M. Pregelj, P. Cevc, G. Rotas, G. Pagona and P. Geerlings,
NanoteC'07 – Nanotechnology in Carbon and Related Materials, Brighton, England, August 29-September 1, 2007 (poster).

78. "Catalytic activity of surfactant-solubilized carbon nanotubes decorated with palladium nanoparticles",
N. Karousis*, G.-E. Tsotsou, N. Ragoussis and N. Tagmatarchis,
18th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Berlin, Germany, September 9-14, 2007 (poster).

79. "Advanced hybrid materials of carbon nanostructures and polymers",
G. Mountrichas*, N. Tagmatarchis and S. Pispas,
International Conference on Structural Analysis of Advanced Materials (ICSAM-2007), Patras, Greece, September 2-6, 2007 (oral).

80. "Polymer based hybrid materials: Synthesis and applications of materials containing carbon nanostructures",
G. Mountrichas*, S. Pispas and N. Tagmatarchis,
XXIII Panhellenic Conference on Solid State Physics and Materials Science, Athens, Greece, September 22-29, 2007 (poster).

81. "Solubilization of carbon nanostructures in organic and aqueous media by decoration with polymers",
G. Mountrichas*, S. Pispas and N. Tagmatarchis,
20th International Symposium on Polymer Analysis and Characterization – ISPAC-07, Crete, Greece, October 1-3, 2007 (poster).

82. "Covalent and non-covalent functionalization of carbon nanotubes and carbon nanohorns with polymers",
G. Mountrichas*, N. Tagmatarchis and S. Pispas,
3rd International Conference on Microelectronics, Microsystems and Nanotechnology – Micro & Nano 2007, Athens, Greece, November 18-21, 2007 (poster).

83. "Carbon nanotubes for biotechnological applications",
N. Tagmatarchis,
2nd Swedish-Hellenic Life Science Research Conference, Athens, Greece, October 17-21, 2007 (oral).

84. "Carbon nanohorn-ferrocene hybrids: Synthesis, characterization and photoelectron properties for applications in energy conversion schemes",
G. Pagona*, S. Sotiropoulou, C.A. Batt, A. Maigne, M. Yudasaka, S. Iijima and N. Tagmatarchis,
Materials Research Society (MRS), Boston, USA, November 26-30, 2007 (poster).

85. "Thermogravimetric analysis for the characterization of hybrid materials based on polymers and carbon nanostructures",
G. Mountrichas, N. Tagmatarchis and S. Pispas*,
3rd Panhellenic Conference on Thermogravimetric Analysis, Athens, Greece, December 7-9, 2007 (poster).

86. "Polymer based hybrid materials for photonic sensors",
K. Gatsouli, A. Meristoudi, A. Tsigara, G. Manasis, N. Vainos and S. Pispas*,
47th Microsymposium: Advanced Polymer Materials for Photonics and Electronics, Prague, Czech Republic; July 15-19, 2007 (oral).

87. "Poly(isoprene-b-ethylene oxide) block copolymer micelles as nanocarriers for poorly water soluble drugs",
T. S. Levchenko, G. Mountrichas, V.P. Torchilin and S. Pispas*,
International Symposium on Nanomedicine, Chalkidiki, Greece; September 9-11, 2007 (poster).

88. "Giant compound block copolymer micelles encapsulating Au nanoparticles",
C. Mantzaridis* and S. Pispas,
20th International Symposium on Polymer Analysis and Characterization (ISPAC 2007), Agios Nikolaos, Crete, Greece; September 30-October 3, 2007 (poster).

89. "Solution properties of novel double hydrophilic block copolymers based on poly(p-hydroxystyrene) derivatives and poly(ethylene oxide)",
G. Mountrichas* and S. Pispas,
20th International Symposium on Polymer Analysis and Characterization (ISPAC 2007), Agios Nikolaos, Crete, Greece; September 30-October 3, 2007 (poster).

90. "Self-assembly in amphiphilic, double hydrophilic block copolymer/surfactant aqueous systems",
S. Pispas,
20th International Symposium on Polymer Analysis and Characterization (ISPAC 2007), Agios Nikolaos, Crete, Greece; September 30-October 3, 2007 (poster).

91. "Nonlinear optical properties of Au nanoclusters encapsulated into hybrid block copolymer micelles",
K. Iliopoulos*, D. Athanasiou, S. Couris, A. Meristoudi, N. Vainos and S. Pispas,
3rd International Conference on Micro-Nanoelectronics, Nanotechnology & MEMS (Micro&Nano 2007), Athens, Greece; November 18-21, 2007 (oral).

92. "The influence of the macromolecular architecture on the micellization in block copolymer/homopolymer blends",
E. Pavlopoulou*, K. Chrissopoulou, S. H. Anastasiadis, G. Portale, H. Iatrou, S. Pispas and N. Hadjichristidis,
XXIII Hellenic Conference on Solid State Physics and Materials Science, Athens, Greece; September 23-26, 2007 (oral).

93. "Viscoelastic response of micelles with chemically cross-linked cores",
A. Pamvouxoglou*, E. Van Ruymbeke, G. Petekidis, D. Vlassopoulos, G. Mountrichas and S. Pispas,
XXIII Hellenic Conference on Solid State Physics and Materials Science, Athens, Greece; September 23-26, 2007 (oral).

94. “Hybrid materials from giant block copolymer micelles encapsulating gold nanoparticles”,
C. Mantzaridis* and S. Pispas,
XXIII Hellenic Conference on Solid State Physics and Materials Science, Athens, Greece; September 23-26, 2007 (poster).

95. “Nonlinear optical response of hybrid block copolymer micelles encapsulating metal nanoparticles”,
A. Meristoudi*, S. Pispas, N. Vainos, K. Iliopoulos and S. Couris,
XXIII Hellenic Conference on Solid State Physics and Materials Science, Athens, Greece; September 23-26, 2007 (poster).

96. “Qualitative and quantitative analysis of aramide fibers using thermal analysis and vibrational spectroscopy”,
G. Mountrichas, M. Talelli, G. D. Chryssikos, V. Gionis, C. Eforakopoulou and S. Pispas*,
3rd Hellenic Conference on Thermal Analysis, Athens, Greece; December 7-9, 2007 (poster).

97. **“**Nonlinear optical response of hybrid block copolymer micelles encapsulating metal nanoparticles”,
K. Iliopoulos*, D. Athanasiou, S. Couris,.A. Meristoudi, N. Vainos and S. Pispas,
4th International Workshop on Nanosciences and Nanotechnology (NN07), Thessaloniki, Greece; July 16-18, 2007 (poster).

98. “Induced micellization by interaction of double hydrophilic block copolymers with metal compound. Micelle and CdS nanoparticle characteristics”,
M. Uchman*, K. Prochazka, K. Gatsouli and S. Pispas ,
Europolymer Conference, EUPOC 2007, Gargnano, Italy; May 27-June 1, 2007 (oral).

99. “Induced micellization by interaction of double hydrophilic block copolymers with metal compound”,
M. Uchman*, M. Stepanek, K. Prochazka, K. Gatsouli and S. Pispas,
SONS Polymers, Amphiphilic and Nanostructured Materials Workshop, Bristol/Bath, UK; June 12-15, 2007 (poster).

100. "Self-assembly of multifunctional block polyelectrolytes in aqueous solutions”,
M. Uchman*, M. Stepanek, K. Prochazka, M. Spirkova, M. Urbanova, G. Mountrichas and S. Pispas,
European Polymer Congress, EPF 2007, Portoroz, Slovenia; July 1-6, 2007 (poster).

101. “Novel multifunction block polyelectrolytes in aqueous solutions and on surface”,
M. Uchman*, M. Stepanek, K. Prochazka, M. Spirkova, M. Urbanova, G. Mountrichas and S. Pispas,
21st Conference of the European Colloid and Interface Society, ECIS 2007, Geneva, Switzerland; September 10-14, 2007 (poster).

102. “Multifunctional polyelectrolyte triblock copolymers in aqueous solution and CdS quantum dots templated on copolymer nanoparticles”,
M. Uchman*, K. Prochazka, G. Mountrichas and S. Pispas,
Pacific Polymer Conference, PPC10, Kobe, Japan; December 3-7, 2007 (poster).
(2007 Pacific Polymer Federation Young Scientist Poster Award).

103. “Rheological properties of stable responsive block copolymer micelles”,
E. Van Ruymbeke*, A. Pamvouksoglou, D. Vlassopoulos, G. Petekidis, G. Mountrichas and S. Pispas,
The Society of Rheology 79th Annual Meeting, Salt Lake City, USA; Oct. 7-11, 2007 (oral).

104. "Polymeric micelles made of poly(isoprene-block-ethylene oxide) block copolymer for solubilization of poorly soluble drugs",
T. S. Levchenko*, S. Pispas and V. P. Torchilin,
34th Annual Meeting of the Controlled Release Society, Long Beach, California, USA; July 7-11, 2007 (poster).

105. "Amphiphilic block copolymers at the liquid-fluid interface: Dynamics in different regimes",
A. Stocco*, S. Pispas and R. Sigel,
Spring Meeting of the German Physical Society, Regensburg, Germany; March 26-30, 2007 (oral).

106. "Micro/Nano self-assembled structures of block copolymer / samarium iron hybrid materials induced by VUV light."
E. Sarantopoulou, K. Gatsouli, Z. Kollia, S. Pispas, S. Kobe, A.C. Cefalas*,
8th International Symposium on Laser Precision Microfabrication, Vienna Austria, 24-28 April 2007 (poster).

107. "Surface relief nano-micro structures from Rayleight's instabilities in block copolymers."
E. Sarantopoulou*, J. Kovač, S. Kobe, S. Pispas, Z. Kollia, A.C. Cefalas,
Tends in Nanotechnology TNT2007, San Sebastian-Spain, 03-07 September 2007 (poster).

108. "Hydrogen microsensor based on NiO thin films",
I. Fasaki*, M. Andoniadou, A. Giannoudakos, M. Stamataki, M. Kompitsas and F. Roubani-Kalantzopoulou,
NATO-ASI on "Functionalized Nanoscale Materials Devices and Systems for chem-bio Sensors, Photonics and Energy Generation and Storage, June 4-15 2007, Sinaia, Romania (poster).

109. "Field effect transistor with a ZnO thin film as active medium for gas sensing applications",
F. Farmakis*, A. Speliotis, K.P. Alexandrou, Ch. Tsamis, M. Kompitsas and I. Fasaki,
23th Solid State Physics and Materials Science Conference, 23-26 Sept. 2007, "Demokritos", Athens (oral).

110. "Time-resolved measurements on ionic Stark broadening and shifting of a NIR bromine line in a laser-induced plasma",
G. Asimellis*, I. Fasaki, A. Giannoudakos and M. Kompitsas,
Euro Mediterranean Symposium on LIBS, 11-13 Sept. 2007, Paris, France (oral).

111. "Field-effect transistors with thin ZnO as active layer for gas sensor applications",
F. Farmakis, T. Speliotis, K.P. Alexandrou, C. Tsamis, M. Kompitsas, I. Fasaki, P. Jedrasic, G. Petersson and B. Nilsson,
33rd Int. Conference on Micro- and Nano-Engineering, 23-26 Sept. 2007, Copenhagen, Denmark (poster).

2006

112. "Structure and dynamics of ionic borate glasses",
C.P.E. Varsamis, A. Vegiri*, and E.I. Kamitsos,
10th Int. Conf. on the Structure of Non-Crystalline Materials, Prague, Czech Republic, September 18-22, 2006 (poster).

113. "Dynamics and structure of amorphous materials using methods of molecular dynamics",
C.P.E. Varsamis,
19th Summer School in Non-linear Science and Complexity, Thessaloniki, Greece, July 10-22, 2006 (invited).

114. "Comparative spectroscopic investigation of fluoride-phosphate glasses",
D. Möncke*, D. Ehrt, L.L. Velli, C.P.E. Varsamis, E.I. Kamitsos, S. Elbers, C.C. de Araujo and H. Eckert,
8th Int. Otto Schott Colloquium, Jena, Germany, July 23-27, 2006 (poster).

115. "Optical basicity and refractivity in mixed oxyfluoride glasses",
L.L. Velli*, C.P.E. Varsamis, E.I. Kamitsos, D. Möncke and D. Ehrt,
8th Int. Otto Schott Colloquium, Jena, Germany, July 23-27, 2006 (oral).

116. "Infrared spectroscopy of Li-diborate glassy thin films",
E.I. Kamitsos*, M. Dussauze, C.P. Varsamis P. Vinatier and Y. Hamon,
10th Int. Conf. on the Structure of Non-Crystalline Materials, Prague, Czech Republic, September 18-22, 2006 (oral).

117. "Structural investigation of bismuth borate glasses",
C.P.E. Varsamis, N. Makris* and E.I. Kamitsos,
XXII Greek Conf. on Solid State Physics and Materials Science, Patras, Greece, September 24-27, 2006 (oral).

118. "Mixed alkali aspects in ion-exchange glasses",
E.I. Kamitsos*, R. Todorov and C.P.E. Varsamis,
XI Int. Conf. on the Physics of Non-Crystalline Solids, Rhodes, Greece, Oct. 29–Nov. 2, 2006 (oral).

119. "Leaching studies of lead-containing glazes",
E. Ioannou*, E.I. Kamitsos, F. Okyar and H. G. Zeybekoglou,
XI Int. Conf. on the Physics of Non-Crystalline Solids, Rhodes, Greece, Oct. 29–Nov. 2, 2006 (oral).

120. "Infrared investigation of bismuth borate glasses",
C.P.E Varsamis, N. Makris* and E.I. Kamitsos,
XI Int. Conf. on the Physics of Non-Crystalline Solids, Rhodes, Greece, Oct. 29–Nov. 2, 2006 (oral).

121. "Combined XRD and near-infrared characterization of palygorskite-rich deposits from western Macedonia, Greece",
V. Gionis, G. Kacandes, I.D. Kastritis and G.D. Chryssikos*,
Joint Meeting of The Clay Minerals Society and the French Clay Group, 43rd Annual Meeting of the Clay Minerals Society - 4eme Colloque du GFA, Ile d' Oleron, France, June 2006 (oral).

122. "Non-invasive detection of antibiotics in a model anterior chamber using Raman spectroscopy",
Th. Sideroudi*, A. Tyrovolas, N. Pharmakakis, G. Papatheodorou, G.D. Chryssikos and G. Voyatzis,
Proc. 5th European Symposium on BioMedical Engineering, Patras, June 2006 (oral).

123. "PAMAM dendrimer as carrier for a bioactive curcumin derivative: Studies on the nature of the PAMAM-curcumin derivative complexation",
E. Markatou, V. Gionis, G. D. Chryssikos, S. Hatziantoniou, A. Georgopoulos and C. Demetzos*,
33rd Annual Meeting of the Controlled Release Society, Vienna, Austria, July 2006 (oral).

124. "Diagenesis of skeletal material: New data from X-ray diffraction and Infrared Spectroscopy",
E. T. Stathopoulou*, V. Psycharis, V. Gionis, G. D. Chryssikos and G. Theodorou,
3rd Conference of the Hellenic Crystallographic Association, Patras, September 2006 (oral).

125. "Structural studies of the dogfish G. Melastomus egg case by ATR FT-IR and FT-Raman spectroscopy",
V.A. Iconomidou*, M.E. Georgaka, G.D. Chryssikos, V. Gionis, P. Megalofonou and S.J. Hamodrakas,
58th Intl. Conf. Hellenic Soc. Biochem. Molec. Biol, Patras, November 2006 (oral).

126. "FTIR-ATR real-time monitoring of the adsorption of PS-b-PEO copolymers on Ge, from micellar solutions",
M. Karayianni*, K. Gatsouli, G. D. Chryssikos, V. Gionis and S. Pispas,
6th Annual Hellenic Conf Polymers, Patras, November 2006 (oral).

127. "Biomineralization studies onto carbon nanotube thin films",
D. Tasis*, D. Katsanis, C. Galiotis, N. Bouropoulos and S. Pispas,
XXth International Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures (IWEPNM2006), Kirchberg, Austria; March 4-11, 2006 (poster).

128. "Design and development of sterically stabilized liposomes based on polymer interactions with DPPC membrane bilayers. A DSC study".
C. Vasilaki*, G. Mountrichas, C. Matsingou, S. Pispas and C. Demetzos,
9th European Symposium on Thermal Analysis and Calorimetry, Poland; August 27-31, 2006 (poster).

129. "Novel double hydrophilic block copolymers via anionic polymerization: self-assembly and complexes with biomacromolecules",
G. Mountrichas and S. Pispas*,
45th Microsymposium "Structure and Dynamics of Self-organized Macromolecular Systems", Prague, Czech Republic; July 9-13, 2006 (oral).

130. "Complexes of polyelectrolyte-neutral double hydrophilic block copolymers with surfactants, polyelectrolytes and proteins",
S. Pispas,
Polyelectrolytes 2006, Dresden, Germany; September 4-8, 2006 (oral).

131. "Solubilization of carbon nanotubes in water using amphiphilic block polyelectrolytes",
G. Mountrichas*, S. Pispas and N. Tagmatarchis,
Polyelectrolytes 2006, Dresden, Germany; September 4-8, 2006 (poster).

132. "Novel double hydrophilic block copolymers as building blocks for aqueous functional nanostructures",
S. Pispas,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (oral).

133. "Forces between adsorbed polyelectrolyte layers. Dependence on pH and salt concentration",
Y. Hiotelis*, S. Pispas, C. Toprakcioglou and A. Vradis,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (oral).

134. "Dynamics of block copolymers at the liquid-liquid interface investigated by evanescent light scattering and ellipsometry",

A. Stocco*, S. Pispas and R. Sigel,
Julich Soft Matter Days 2006, Julich, Germany; November 14-17, 2006 (poster).

135. "Hierarchical self-assembled structures from block copolymer/metal nanoparticles hybrid materials induced by VUV light",
E. Sarantopoulou*, K. Gatsouli, Z. Kollia and S. Pispas,
TNT2006 "Trends in Nanotechnology", Grenoble, France; September 4-8, 2006 (poster).

136. "Thin films of metal nanoparticles in polymeric, SiO_2 or TiO_2 matrices",
A. Meristoudi*, G. Mousdis, A. Pispas, N. Vainos, K. Iliopoulos and S. Couris,
XXII Hellenic Conference on Solid State Physics and Materials Science, Patras, Greece; September 24-27, 2006 (poster).

137. "Forces between adsorbed polyelectrolyte layers. Dependence on pH and salt concentration",
Y. Hiotelis*, S. Pispas, C. Toprakcioglou and A. Vradis,
XXII Hellenic Conference on Solid State Physics and Materials Science, Patras, Greece; September 24-27, 2006 (poster).

138. "Growth of $CaCO_3$ nanocrystals on carbon nanotubes",
D. Tasis*, S. Pispas, C. Galiotis and N. Bouropoulos,
XXII Hellenic Conference on Solid State Physics and Materials Science, Patras, Greece; September 24-27, 2006 (poster).

139. "Synthesis of pH responsive double hydrophilic block copolymer",
G. Mountrichas* and S. Pispas,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (poster).

140. "Novel highly charged cationic polyelectrolytes and their complexes with oppositely charged surfactants",
C. Mantzaridis*, G. Mountrichas and S. Pispas,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (poster).

141. "Hybrid materials for photonic applications",
A. Meristoudi*, G. Mousdis, S. Pispas and N. Vainos,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (poster).

142. "Organic-inorganic hybrid materials: Semiconductor nanoparticles in amphiphilic block copolymers",
K.D. Gatsouli*, S. Pispas and E.I. Kamitsos,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (poster).

143. "Structure and dynamics of lithium neutralized ionic block copolymers",
E. Ioannou*, G. Mountrichas, S. Pispas, E.I. Kamitsos, P. Papadopoulos and G. Floudas,
6th Hellenic Conference on Polymers, Patras, Greece; November 3-5, 2006 (poster).

144. "Intramolecular electronic interactions on soluble carbon nanotubes/semiconductor nanoparticles ensembles"
G. Mountrichas*, N. Tagmatarchis and S. Pispas,
International Conference on Synthetic Metals, Doublin, Ireland; July 2-7, 2006 (poster).

145. “Polymer decorated carbon nanotubes templating the growth of CdS nanoparticles: towards intramolecular charge transfer processes”,
G. Mountrichas*, N. Tagmatarchis and S. Pispas,
3rd Workshop on Nanoscience and Nanotechnologies, Thessaloniki, Greece; July 10-12, 2006 (poster, award winner).

146. “Inorganic and hybrid polymer-inorganic nanostructured materials, for optical physicochemical sensing applications”,
A. Tsigara, L. Athanasekos, G. Manasis, G. Mousdis, S. Pispas and N.A. Vainos*, Romopto 2006, Sibiu, Romania; August 28-31, 2006 (invited talk).

147. “Inorganic and hybrid nanostructured materials, for optical-photonic chemical sensing applications”,
G. Mousdis*, A. Tsigara, A. Meristoudi, S. Pispas, M. Hands, N. Madamopoulos and N. Vainos,
NATO ASI on Optical Waveguide Sensing and Imaging, Gatineau, Québec, Canada; October 12-21, 2006 (poster).

148. “Functionalization of carbon nanohorns”,
G. Pagona*, N. Tagmatarchis, M. Yudasaka and S. Iijima,
ChemOnTubes, Arcachon, France, April 2-5, 2006 (poster).

149. “Carbon nanohorn-based donor-acceptor nanoensembles for managing charge-transfer interactions”,
G. Pagona*, N. Tagmatarchis, M. Yudasaka and S. Iijima,
ICSM-2006 (International Conference on Science and Technology of Synthetic Metals), Dublin, Ireland, July 2-7, 2006 (poster).

150. “Photo-induced electron-transfer reactions on water-soluble carbon nanohorn─pyrene─tetrathiafulvalene nanoensembles”,
G. Pagona* and N. Tagmatarchis,
3rd Workshop on Nanosciences and Nanotechnologies (NN06), Thessaloniki, Greece, July 10-12, 2006 (poster).

151. “Multifunctional carbon-based nanostructured materials”,
N. Tagmatarchis,
3rd Workshop on Nanosciences and Nanotechnologies (NN06), Thessaloniki, Greece, July 10-12, 2006 (oral).

152. “Single-wall carbon nanohorns for various applications”,
M. Yudasaka*, K. Ajima, T. Murakami, J. Miyawaki, K. Murata, N. Tagmatarchis, K. Shiba, Y. Kubo and S. Iijima,
NT06: International Conference on the Science and Applications of Nanotubes, Nagano, Japan, June 18-23, 2006 (oral).

153. “Soluble carbon nanohorns in donor-acceptor nanoensembles for managing efficient charge-transfer processes”,
G. Pagona*, N. Tagmatarchis, M. Yudasaka and S. Iijima,
17th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Estoril, Portugal, September 3-8, 2006 (poster).

154. “Multifunctional carbon-based nanostructured materials: Azafullerenes, nanotubes and nanohorns”,
N. Tagmatarchis,
SloNano06, Ljubljana, Slovenia, September 20-21, 2006 (invited oral).

155. “Multifunctional carbon-based nanostructured materials”,
N. Tagmatarchis,
Complexity and Diversity in Matter, Molecules, Life and Society, Strasbourg, France, November 29 – December 2, 2006 (oral).

156. “Single-component metal-1,2-dithiolene complexes as candidate semiconductors for field-effect transistors”,
G.C. Papavassiliou*, G.C. Anyfantis, B.R. Steele, A. Terzis, C.P. Raptopoulou, G. Tatakis, G. Chaidogianos, N. Glezos, Y. F. Wang, H. Yashino and K. Murata,
ICSM-2006, International Conference on Science and Technology of Synthetic Metals, Dublin, Ireland, July 2-7, 2006 (poster).

157. “New donor molecules, precursors of conducting salts”,
G.A. Mousdis* and G.C. Papavassiliou
Cost D35 - “From Molecules to Molecular Devices”, Kick off Meeting, Pragha, Czech Republic, 6-7 January 2006 (oral).

158. “Synthesis of some new electron π-donors containing a thioxy ring, precursors of organic metals”,
G. Soras, N. Psaroudakis, A.J. Tasiopoulos, A.D. Keramidas and G.A. Mousdis*,
XXII Hellenic Conf. on Solid State Physics and Materials Science, Patras, Greece, 24-27/9/2006, (poster).

159. “Spectroscopic study of a CHO substituted terthiophene”,
D. Anestopoulos, M. Fakis*, G. Mousdis, V. Giannetas and P. Persephonis,
XXII Hellenic Conf. on Solid State Physics and Materials Science, Patras, Greece, 24-27/9/2006 (poster).

160. Study of the inlaying of pyrene methylamine in layered materials”,
M. Enotiadis*, U. Tsoufis, D. Gournis and G.A. Mousdis,
XXII Hellenic Conf. on Solid State Physics and Materials Science, Patras, Greece, 24-27/9/2006 (poster).

161. “Hieharchical self assempled structures from block copolymer/metal nanoparticles hybrid materials induced by VUV”,
Z. Kollia*, K. Gatsouli, E. Sarantopoulou and S. Pispas,
3rd Workshop on NanoSciences and NanoTechnologies, Thessaloniki, Greece, July 10-12, 2006 (poster).

162. “Hieharchical self assempled structures from block copolymer/metal nanoparticles hybrid materials induced by VUV light”,
E. Sarantopoulou*, K. Gatsouli, Z. Kollia, S. Pispas and S. Kobe,
Trends in Nanotechnology 2006, Grenoble, France, 4-8 September 2006 (poster).

163. “Reversible pattern formation and hologram recording in polymers and hybrid materials”,
N.A. Vainos*, A Tsigara, S. Pispas, B. Loppinet and G. Fytas,
International Workshop on “Materials and Systems for Optical Data Storage and Processing”-COST P8 Action, Loutraki, Greece, May 26-27, 2006 (poster).

164. “Polymer/Ag, Au and sol-gel /Ag, Au, $NiCl_2$ derived thin film photonic structures for sensing applications”,
A. Meristoudi*, A. Tsigara, L. Athanasekos, M. Hands, S. Pispas, N. Vainos and H.L. Du,
8th ESG Conference on Glass Science and Technology, Sunderland, UK, September 10-14, 2006 (poster).

165. “$NiCl_2/SiO_2$ sol-material for ammonia sensing”,
A. Tsigara, N. Madamopoulos*, M. Hands, L. Athanasekos, A. Meristoudi, G. Mousdis, G. Manasis, I. Koutselas and N. Vainos,
SPIE Optics East, Boston, USA, October 1-4, 2006 (oral).

166. “Inorganic and hybrid nanostructured materials for optical physicochemical sensing applications”,
A. Tsigara*, A. Meristoudi, S. Pispas, G. Mousdis, M. Hands, N. Madamopoulos, N.A. Vainos and F. Roubani-Kalantzopoulou,
3rd Workshop on NanoSciences and NanoTechnologies, Thessaloniki, Greece, July 10-12, 2006 (poster).

167. “Nanocomposite inorganic and hybrid thin film structures containing Ag, Au and $NiCl_2$ nanoparticles for photonic applications”,
A. Tsigara, G. Mousdis, S. Pispas*, A. Meristoudi, M. Hands, I. Koutselas and N. Vainos,
XXII Greek Conf. on Solid State Physics and Materials Science, Patras, Greece, September 24-27, 2006 (poster).

168. “Growth and characterization of nickel oxide thin films by pulsed laser deposition”, E. György*, A. Figueras, A. Giannoudakos, I. Fasaki, M. Kompitsas, I.N. Mihailescu, C. Ducu, and F. Roubani-Kalantzopoulou,
E-MRS IUMRS 2006, May 29 - June 2, 2006, Nice, France (poster).

169. “Pulsed laser deposited ZnO thin films with metal clusters on top and study of their surface catalytic behavior with reversed-flow gas chromatography”,
A. Giannoudakos*, F. Agelakopoulou, M. Kompitsas and F. Roubani-Kalantzopoulou,
E-MRS IUMRS 2006, May 29- June 2, 2006, Nice, France (poster).

170. “Wavelength calibration in the near-infrared for multielement analysis without the need for reference spectra”,
G. Asimellis*, A. Giannoudakos and M. Kompitsas,
22th National Conference for Solid State Physics and Materials Science, 24-27 Sept. 2006, Patras, Greece (poster).

171. “Sulfur and bromine detection in a laser-produced plasma spectroscopy”,
G. Asimellis*, A. Giannoudakos and M. Kompitsas,
22th National Conference for Solid State Physics and Materials Science, 24-27 Sept. 2006, Patras, Greece (oral).

172. “Electrical and optical properties of NiO thin films grown by pulsed-laser deposition”,
I. Fasaki, M. Stamataki*, A. Giannoudakos, N. Brilis, F. Roubani-Kalantzopoulou, D. Tsamakis and M. Kompitsas,
22th National Conference for Solid State Physics and Materials Science, 24-27 Sept. 2006, Patras, Greece (poster).

173. “Controlled doping of metal-oxide semiconductors by a dual-laser, dual target PLD arrangement”,
M. Kompitsas*, A. Giannoudakos, E. György, I. Mihailescu, J. Santiso and D. Pantelica,
1st Int’l Conference on Transparent Conductive Oxides (TCO2006), 24-27 October 2006, Chersonissos, Crete (oral).

2005

174. “Structure and dynamics of ion-exchanged glasses”,
E.I. Kamitsos,
17th University Conference of Glass Science and 1st International Materials Workshop on New Functionality of Glasses, State College, Pennsylvania, USA, June 26-30, 2005 (invited).

175. “Spectroscopic study of the leaching behaviour of lead glazes”,
E. Ioannou, E.I. Kamitsos*, C.P. Varsamis, F. Okyar, B. Kavakli and H.G. Zeybekoglu,
4th International Conference on Science & Technology in Archaeology and Conservation, Amman, Jordan, December 7-11, 2005 (oral).

176. “Spectroscopic evaluation of shrerds of ancient Nabataean pottery ware and of raw clay materials suitable for ceramic reproductions”,
E. Ioannou*, E.I. Kamitsos, G.D. Chryssikos, V. Gionis, M.N. Naes and T. Akasheh,
4th International Conference on Science & Technology in Archaeology and Conservation, Amman, Jordan, December 7-11, 2005 (oral).

177. “Structure and dynamics of ionic borate glasses”,
C.P.E. Varsamis*, A. Vegiri and E.I. Kamitsos,
5th International Conference on Borate Glasses, Crystals and Melts, Trento, Italy, 11-15 July 2005 (invited).

178. “Soluble functionalized carbon nanotubes”,
N. Tagmatarchis,
International Symposium on Nanometer-scale Quantum Physics, Tokyo, Japan, 2005 (poster).

179. “Flow field-flow fractionation for length separation and purification of water-soluble functionalized MWNTs”,
Th. Felekis*, N. Tagmatarchis, A. Zattoni, P. Reschiglian and M. Prato,
19th International Winterschool on Electronic Properties of Novel Materials, Euroconference, Kirchberg, Austria, 2005 (poster).

180. “Soluble functionalized carbon nanotubes”,
N. Tagmatarchis,
2nd International Conference on Nanomaterials and Nanotechnologies (NN2005), Crete, Greece, 2005 (oral).

181. “Carbon nanotube nanoensembles for electron transfer processes”,
N. Tagmatarchis,
NanoteC’05-Nanotechnology in Carbon & Related Materials, Brighton, UK, 2005 (oral).

182. “1,3-Dipolar cycloaddition of azomethine ylides to carbon Nanotubes”,
N. Tagmatarchis,
20th Panhellenic Chemistry Conference, Ioannina, Greece, 2005 (oral).

183. “Carbon nanotube-based nanohybrids for light-induced electron transfer interactions”,
N. Tagmatarchis,
Pacifichem2005, Hawaii, USA, 2005 (oral).

184. “Water-soluble multi-walled carbon nanotubes: synthesis, purification and length separation by flow field-flow fractionation”,
N. Tagmatarchis,
Pacifichem2005, Hawaii,USA, 2005 (oral).

185. “Synthesis of new metal dithiolenes complexes precursors of organic conducting materials”,
G.A. Soras, N. Psaroudakis and G.A. Mousdis*,
Figipas, Athens, Greece, 6-9 July 2005 (poster).

186. “2nd derivative NIR spectroscopic investigation of hormites”,
V. Gionis, G. Kacandes, I. Kastritis and G.D. Chryssikos*,
42nd Annual Meeting of the Clay Minerals Society, Burlington, VT USA, June 2005 (oral).

187. “The genesis and geochemistry of palygorskite clays from western Macedonia, Greece”,
I. Kastritis, G.D. Chryssikos, E. Mposkos, V. Gionis and G. Kacandes*,
42nd Annual Meeting of the Clay Minerals Society, Burlington, VT USA, June 2005 (oral).

188. “Bone diagenesis: New data from infrared spectroscopy and X-ray diffraction”,
E. Stathopoulou*, V. Psycharis, G.D. Chryssikos and V. Gionis
5th International Bone Diagenesis Meeting, Cape Town, RSA, August 2005 (oral).

189. “NIR control of aminoplastic resin production processes”,
E. Minopoulou*, G. Prinos, E. Dessipri, G. D. Chryssikos and V. Gionis,
Int’l Conference on Wood Adhesives 2005, San Diego, CA, USA, Nov. 2005 (oral).

190. “Nanostructured hybrid solid electrolytes based on block copolymers”,
K.D. Gatsouli*, S. Pispas, C.P. Varsamis and E.I. Kamitsos,
5th Greek Scientific Conference on Chemical Engineering, Thessaloniki, Greece; May 26-28, 2005 (oral).

191. “Nanoscale pH responsive block copolymer micelles with potential use in water purification methodologies”,
G. Mountrichas, S. Pispas* and E.I. Kamitsos,
2nd International Conference on Nanomaterials and Nanotechnologies, Crete, Greece; June 14-18, 2005 (poster).

192. “Optical fiber long-period grating humidity sensor utilizing PEO/$CoCl_2$ outcladding overlayers”,
M. Konstantaki*, G. Papaioannou, S. Pissadakis, S. Pispas, N. Madamopoulos, N. Vainos,
SPIE International Congress on Optics and Optoelectronics, Warsaw Univ. of Technology, Warsaw, Poland; August 28-September 2, 2005 (oral).

193. “Photonic humidity integrated sensor based on hybrid polymer/cobalt chloride systems”,
A. Tsigara*, G. Mountrichas, G. Mousdis, S. Pispas, N. Madamopoulos and N. Vainos,
Conf. on Lasers and Electro-optics, CLEO/Europe, Munich, Germany; June 2005 (poster).

194. “Polymer based photonic sensors for physicochemical monitoring”,
N. Madamopoulos*, S. Pispas, L. Athanasekos, A. Tsigara, G. Mountrichas, K. Gatsouli, N. Vainos and K. Kibasi,
SPIE Optics East, Boston, Massachusetts, USA; October 23-26, 2005 (oral).

195. “Diffractive optical elements for photonic gas sensors”,
N. Madamopoulos*, G. Siganakis, A. Tsigara, L. Athanasekos, S. Pispas, N. Vainos, E. Kaminska, A. Piotrowska, A. Perrone, C. Pristoscu and K. Kibasi,
SPIE Optics East, Boston, Massachusetts, USA; October 23-26, 2005 (oral).

196. “Gas sensors based on transmission surface plasmon resonance spectroscopy”,
T. Karakouz*, A. Vaskevich, I. Rubinstein, S. Pispas, G. Mousdis and N. Vainos,
Annual Meeting of Israel Chemical Society, Tel-Aviv, Israel; February 15-16, 2005 (oral)

197. “Properties of ZnO thin films developed by pulsed laser deposition (PLD)”,
A. Giannoudakos*, E. Tylipaki, M. Kompitsas and F. Roubani-Kalanzopoulou,
5th National Conf. on Chem. Engineering, Thessaloniki, Greece, May 26-29, 2005 (oral).

198. “Halogen detection in solid matrices by laser induced plasma spectroscopy”,
A. Giannoudakos, G. Assimellis*, S. Hamilton and M. Kompitsas,
5th National Conf. on Chem. Engineering, Thessaloniki, Greece, May 26-29, 2005 (oral).

199. “Effect of the deposition parameters of ZnO thin films grown by PLD as hydrogen sensors”,
N. Brilis*, D. Tsamakis, M. Kompitsas and E. Velamondes,
5th National Conf. on Chem. Engineering, Thessaloniki, Greece, May 26-29, 2005 (oral).

200. “Development of a multi-layered Ta/TaOx/Ta structure by pulsed laser deposition”,
N. Vakakis, I. Bassiotis*, M. Kompitsas and F. Roubani-Kalontzopoulou,
5th National Conf. on Chem. Engineering, Thessaloniki, Greece, May 26-29, 2005 (oral).

201. “Parameter optimization for efficient Bromine and Sulfur detection in the near-infrared spectral range”,
G. Asimellis*, A. Giannoudakos and M. Kompitsas,
E-MRS LIPS 2005, Aachen, Germany, 6-8 Sept. 2005 (oral).