

A. Publications in International peer-review Journals.

1. ***“Synthesis, characterization and thermal properties of polymer/magnetite nanocomposites”***
P. Dallas, V.Georgakilas, D. Niarchos, Ph. Komninou, Th. Kehagias and D. Petridis
Nanotechnology **17** (2006) 2046–2053.
2. ***“Modification of the Fe-environment in Fe₂O₃ glass/glass ceramic systems containing Pb, Na and Si”***
F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, O. Kalogirou, Ph. Komninou, and Th. Karakostas
Nuclear Instruments and Methods in Physics Research B **246** (2006) 170-175.
3. ***“Application of μ -XAFS for the determination of the crystallization ratio in a series of vitro-ceramic materials containing industrial waste”***
F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Ph. Komninou and Th. Karakostas, A. Erko,
Nuclear Instruments and Methods in Physics Research B **246** (2006) 238-243.
4. ***“Crystal phase separation and microstructure of a thermally treated vitrified solid waste”***
Th. Kehagias, Ph. Komninou, P. Kavouras, K. Chrissafis, G. Nouet and Th. Karakostas
Journal of the European Ceramic Society **26** (2006) 1141-1148.
5. ***“Raman and transmission electron microscopy characterization of InN samples grown on GaN/Al₂O₃ by molecular beam epitaxy”***
J. Arvanitidis, M. Katsikini, S. Ves, A. Delimitis, Th. Kehagias, Ph. Komninou, E. Dimakis, E. Iliopoulos, A. Georgakilas
Phys. Stat. Sol. (b) **243** (2006) 1588–1593.
6. ***“Structural and optical characterisation of thick InN epilayers grown with a single or two step growth process on GaN (0001)”***
A. Delimitis, P. Gladkov, Ph. Komninou, Th. Kehagias, J. Arvanitidis, S. Ves, M. Katsikini, E. Dimakis and A. Georgakilas
Phys. Stat. Sol. (a) **203** (2006) 162–166.
7. ***“Structural properties of quaternary InAlGaIn MQWs grown by plasma-assisted MBE”***
G. P. Dimitrakopoulos, J. Kioseoglou, E. Dimakis, A. Georgakilas, G. Nouet, and Ph. Komninou
Phys. Stat. Sol. (a) **203** (2006) 2151-2155.
8. ***“Mixed partial dislocation core structure in GaN by high resolution electron microscopy”***
J. Kioseoglou, G. P. Dimitrakopoulos, Ph. Komninou, Th. Kehagias, and Th. Karakostas
Phys. Stat. Sol. (a) **203** (2006) 2156-2160.

9. **“Analysis of partial dislocations in wurtzite GaN using gradient elasticity”**
J. Kioseoglou, G. P. Dimitrakopoulos, Ph. Komninou, Th. Karakostas, and I. Konstantopoulos, M. Avlonitis, E.C. Aifantis
Phys. Stat. Sol. (a), **203** (2006) 2161-2166.
10. **“The role of alkali content in the devitrification mechanisms of SiO₂-Fe₂O₃-Na₂O-PbO system”**
P. Kavouras, Th. Kehagias, K. Chrissafis, Ph. Komninou, Th. Karakostas
Journal of Thermal Analysis and Calorimetry **86** (2006) 715-719 .
11. **“Controlled Growth of Porous Networks in Phosphide Semiconductor”**
A. Delimitis, Ph. Komninou, Th. Kehagias, E. Pavlidou, Th. Karakostas, P. Gladkov, D. Nohavica
J. Porous Materials, in press (2006).
12. **“On the coordination environment of Fe- and Pb-rich solidified industrial waste: an X-Ray absorption and Mössbauer study”**
F. Pinakidou, M. Katsikini, E. C. Paloura , P. Kavouras, O. Kalogirou, Ph. Komninou, Th. Karakostas, A. Erko
J. Non Crystalline solids **352** (2006) 2933-2942.
13. **“Oxidation of very low energy nitrogen–implanted strained-silicon”**
N. Kelaidis, D. Skarlatos, V. Ioannou-Souglideridis, C. Tsamis, Ph. Komninou, B. Kellerman and M. Seacrist
Materials Science and Engineering B **135** (2006) 199-2026.
14. **“Energetic of the 30° Shockley partial dislocation in wurtzite GaN”**
I. Belabbas, G. Dimitrakopoulos, J. Kioseoglou, A. Béré, J.Chen, Ph. Komninou, P. Ruterana and G. Nouet
Superlattices and Microstructures **40** (2006) 458-463 .
15. **“Structural properties of 10µm thick InN grown on sapphire (0001)”**
E. Dimakis, J. Domagała, A. Delimitis, Ph. Komninou, A. Adikimenakis, E. Iliopoulos and A. Georgakilas
Superlattices and Microstructures **40** (2006) 246-252 .
16. **“InN quantum dots grown on GaN (0001) by molecular beam epitaxy”**
E. Dimakis, A. Georgakilas, E. Iliopoulos, K. Tsagaraki, A. Delimitis, Ph. Komninou, H. Kirmse, W. Neumann, M. Androulidaki and N. T. Pelekanos
Phys. Stat. sol (c) 3, No. 11, (2006) 3983–3987 .
17. **“Depth profile of the biaxial strain in a 10 µm thick InN (0001) film”**
J. Arvanitidis, D. Christofilos, G.A. Kourouklis, A. Delimitis, M. Katsikini, Ph. Komninou, S. Ves, E. Dimakis and A. Georgakilas
J. Appl. Phys. **100** (2006) 113516: 1-5 .
18. **“Structure effects on the magnetism of AgCo nanoparticles”**
O. Crisan, M. Angelakeris, K. Simeonidis, Th. Kehagias, Ph. Komninou, M. Giersig and N.K. Flevaris

Acta Materialia **54** (2006) 5251-5260.

19. **“High power ultraviolet light emitting diodes based on GaN/AlGaIn quantum wells produced by molecular beam epitaxy”**
JS. Cabalu, A. Bhattacharyya, C. Thomidis, I. Friel, TD. Moustakas, CJ. Collins and Ph. Komninou
J. Appl. Phys. **100** (2006) 104506: 1-5.
20. **“Raman study of metallic carbon nanotubes at elevated pressure”**
Christofilos, J. Arvanitidis, C. Tzampazis, K. Papagelis, T. Takenobu, Y. Iwasa, H. Kataura, C. Lioutas, S. Ves and G.A. Kourouklis.
Diamond and Related Materials, **15**, 1075-1079, (2006).
21. **“Raman study of polycrystalline PbWO₄ under high pressure”**
D. Christofilos, E. Efthimiopoulos, J. Arvanitidis, K. Papagelis, S. Ves and G.A. Kourouklis.
High Pressure Research, **26**, 421 - 425, (2006).
22. **“New near infrared LIBS detection technique for sulfur”**
G. Asimellis, A. Giannoudakos, and M. Kompitsas,
Analytical and Bioanalytical Chemistry, **385** (2), 333-337 (2006).
23. **“Near-IR bromine LIBS detection and ambient gas effects on emission line asymmetric Stark broadening and shift”**
G. Asimellis, A. Giannoudakos, and M. Kompitsas
Spectrochimica Acta Part B **61** (12), 1270–1278 (2006).
24. **“Accurate wavelength calibration in the Near-InfraRed for multielement analysis without the need of reference spectra”**
G. Asimellis, A. Giannoudakos, and M. Kompitsas
Applied Optics **45** (35), 8855-8862 (2006)
25. **“Phosphate ore beneficiation via determination of Phosphorus-to-Silica ratios by LIBS”**
G. Asimellis, A. Giannoudakos, and M. Kompitsas
Spectrochimica Acta Part B **61** (12), 1253–1259 (2006).
26. **«Thermal degradation kinetics of a new biodegradable aliphatic polyester, poly(propylene succinate)»**
K. Chrissafis, K.M. Paraskevopoulos and D. N. Bikiaris
Polymer Degradation and Stability, **91** (2006) 60.
27. **“On the mechanism of formation of zinc pack coatings”**
N. Pistofidis, G. Vourlias, D. Chaliampalias, K. Chrysafis, G. Stergioudis and E.K. Polychroniadis
J. of Alloys and Compounds, **407** (2006) 221.
28. **“A combined characterization of zinc hot-dip galvanized wires with DSC, XRD and SEM”**

- N. Pistofidis, G. Vourlias, E. Paulidou, K. Chrissafis, G. Stergioudis, E.K. Polychroniadis and D. Tsipas
J. Therm. Anal. Cal., **86** (2006) 417.
29. **“Characterization and phase transformation study in $TlSbSe_2$ crystals”**
K. Chrissafis, M. Ozer, E. Vinga, E. Polychroniadis, X. Chatzistavrou and K.M. Paraskevopoulos
J. Therm. Anal. Cal., **86** (2006).
30. **“Inducing bioactivity in dental porcelain through Bioglass: Changes in thermal behaviour”**
X. Chatzistavrou, K. Chrissafis, E. Polychroniadis, E. Kontonasaki, P. Koidis and K.M. Paraskevopoulos
J. Therm. Anal. Cal., **86** (2006) 255.
31. **“Effect of molecular weight on thermal degradation mechanism of the biodegradable polyester, poly(ethylene succinate)”**
K. Chrissafis, K.M. Paraskevopoulos and D. N. Bikiaris
Thermochim. Acta, **440** (2006) 166.
32. **“TG-DTA and FTIR analyses of plasters from Byzantine Monuments in Balkan region: Comparative study”**
M. Anastasiou, Th. Hasapis, T. Zorba, E. Pavlidou, K. Chrissafis and K.M. Paraskevopoulos
J. Therm. Anal. Cal., **84** (2006) 27.
33. **“Effect of heat sterilization on surface and microstructure of Mani NRT rotary Nickel- Titanium files”**
G. Alexandrou, K. Chrissafis, L. Vasiliadis¹ E. Pavlidou and E.K. Polychroniadis
Int. J. Endon., **39** (2006) 770.
34. **“Studying $Cu_{2-x}Se$ Phase Transformation through DSC Examination”**
K. Chrissafis, K.M. Paraskevopoulos and C. Manolikas
J. Therm. Anal. Cal., **84** (2006) 195.
35. **“Iron oxide pigmenting powders produced by thermal treatment of iron solid wastes from steel mill pickling lines”**
C. Sikalidis, T. Zorba, K. Chrissafis and K.M. Paraskevopoulos
J. Therm. Anal. Cal., **86** (2006) 411.
36. **“Surface and bulk contributions in the crystallization process of a bioactive glass**
X. Chatzistavrou, E. Kontonasaki, K. Chrissafis, T. Zorba, P. Koidis and K.M. Paraskevopoulos
Key Engin. Mat., **309-311** (2006) 313.
37. **“Sintered Hydroxyapatite/Bioactive glass composites: Thermal Analysis and Bioactivity”**
X. Chatzistavrou, E. Kontonasaki, K. Chrissafis, T. Zorba, P. Koidis and K.M. Paraskevopoulos
Key Engin. Mat., 309-311 (2006) 167.

38. **“DSC study of the deposition reaction of zinc pack coatings up to 550°C”**
N. Pistofidis, G. Vourlias, D. Chaliampalias, E. Pavlidou, K. Chrissafis, G. Stergioudis, E.K. Polychroniadis and D. Tsipas
J. Therm. Anal. Cal., **84** (2006) 191
39. **“SEM observations and Differential Scanning Calorimetric studies of new and sterilized Nickel- Titanium rotary endodontic instruments”**
G. Alexandrou, K. Chrissafis, L. Vasiliadis, E. Pavlidou and E.K. Polychroniadis
J. Endodon., **32** (2006) 675.
40. **“Thermal distinction of HEU-type mineral phases contained in Greek zeolite-rich volcanoclastic tuffs”**
M. Kantiranis, C. Chrissafis, A. Fillipidis and K.M. Paraskevopoulos
European J. Mineralogy, **18** (2006) 509.
41. **“Unique pore selectivity for Cs⁺ and exceptionally high NH₄⁺ exchange capacity of the chalcogenide material K₆Sn[Zn₄Sn₄S₁₇]”**
M. Manos, K. Chrissafis and M.G. Kanatzidis
JACS, **128** (2006) 8875.
42. **“Influence of particle size on the crystallization process and the bioactive behaviour of a bioactive glass system”**
X. Chatzistavrou, T. Zorba, K. Chrissafis, G. Kaimakamis, E. Kontonasaki, P. Koidis and K.M. Paraskevopoulos
J. Therm. Anal. Cal., **85** (2006) 253.
43. **“Strong quantum confinement effects in thin zinc selenide films”**
S. Baskoutas, P. Pouloupoulos, V. Karoutsos, M. Angelakeris and N.K. Flevaris
Chemical Physics Letters **417**, 462–465 (2006).
44. **“Critical radius for exchange bias in naturally oxidized Fe nanoparticles”**
C. Martínez-Boubeta, K. Simeonidis, M. Angelakeris, N. Pazos-Pérez, M. Giersig, A. Delimitis, L. Nalbandian, V. Alexandrakis and D. Niarchos
Phys. Rev. B **74** 054430 (2006).
45. **“Dynamic correlation function and fluctuations in lattice gas in c(2x2) phase”**
P.Argyrakis, A.A. Chumak, M. Maragakis and A. Zhugayevych,
Physical Review B, **74**, 035418(2006).
46. **“Language time series analysis”**
K. Kosmidis, A. Kalampokis, and P. Argyrakis,
Physica A, **370**, 808(2006).
47. **“Language time series analysis”**
K. Kosmidis, A. Kalampokis, and P. Argyrakis,
Physica A, **370**,808(2006).
48. **“Statistical mechanical approach to human language”**

- K. Kosmidis, A. Kalampokis, and P. Argyrakis,
Physica A, **366**, 495(2006).
49. ***“The effect of a slit-shaped trap on depletion kinetics within a microchannel”***
H. Peng, S. H. Park, R. Kopelman, P. Argyrakis, and H. Taitelbaum,
Physical Review E, **73**, 041104(2006).
50. ***“A first-passage time problem for many random walkers”***
P. Argyrakis and G. H. Weiss,
Physica A, **363**,343(2006).
51. ***“Noise spectroscopy of local levels in Au/n-GaAs Schottky diodes with InAs quantum dots”***,
Tsormpatzoglou, D.H. Tassis, C.A. Dimitriadis, G. Kamarinos, P. Frigeri, S. Franchi, E. Gombia, and R. Mosca,
Solid State Electron. **50**, 340 (2006).
52. ***“Stress-induced local levels in Au/n-GaAs Schottky diodes with embedded InAs quantum dots”***
A. Tsormpatzoglou, D.H. Tassis, C.A. Dimitriadis, P. Frigeri, S. Franchi, E. Gombia, and R. Mosca,
IEEE Trans. Electron Devices **27**, 320 (2006).
53. ***“Experimental investigation of noise in 4H-SiC p⁺-n-n⁺ junctions”***
N. Arpatzanis, D.H. Tassis, C.A. Dimitriadis, K. Zekentes, and N. Camara,
Semicond. Science and Technology **21**, 591 (2006).
54. ***“Dynamic hot-carrier induced degradation in n-channel polysilicon thin-film transistors”***
D.H. Tassis, A.T. Hatzopoulos, N. Arpatzanis, C.A. Dimitriadis, and G. Kamarinos,
Microelectronics Reliability **46**, 2032 (2006).
55. ***“Electrical and low frequency noise properties of 4H-SiC p⁺-n-n⁺ junctions”***
N. Arpatzanis, A. Tsormpatzoglou, C.A. Dimitriadis, K. Zekentes, N. Camara, V. Yu. Ivanov, and M. Godlewski
Physica Status Solidi (a) **203**, 2551 (2006).
56. ***“A simple and continuous polycrystalline silicon thin-film transistor model for SPICE implementation”***
I. Pappas, A.T. Hatzopoulos, D.H. Tassis, N. Arpatzanis, S. Siskos, C.A. Dimitriadis and G. Kamarinos
J. Appl. Phys. **100**, 064506 (2006).
57. ***“Deep levels in silicon Schottky junctions with embedded arrays of β -FeSi₂ nanocrystallites”***
A. Tsormpatzoglou, D.H. Tassis, C.A. Dimitriadis, L. Dozsa, N. G. Galkin, D. L. Goroshko, V. O. Polyarnyi and E. A. Chusovitin
J. Appl. Phys. **100**, 074313(2006).

58. ***“Modeling the impact of light on the performance of polycrystalline thin-film transistors at the sub-threshold region”***
N. P. Papadopoulos, A. A. Hatzopoulos, D. K. Papakostas, C. A. Dimitriadis and S. Siskos
Microelectronics Journal **37**, 1313 (2006).
59. ***“Analytical current-voltage model for nanocrystalline silicon thin-film transistors”***
A.T. Hatzopoulos, I. Pappas, D. H. Tassis, N. Arpatzanis, C. A. Dimitriadis, F. Templier and M. Oudwan
Appl. Phys. Lett. **89**, 193504 (2006).
60. ***“Electrical and noise characterization of bottom-gated nanocrystalline silicon thin-film transistors”***
A.T. Hatzopoulos, N. Arpatzanis, D. H. Tassis, C. A. Dimitriadis, F. Templier, M. Oudwan and G. Kamarinos
J. Appl. Phys. **100**, 114311 (2006).
61. ***“Study of the vibrational and electronic properties of poly(ethylene terephthalate) and poly(ethylene naphthalate) films”***
Laskarakis and S. Logothetidis
J. App. Phys. (submitted 2006).
62. ***“On the optical anisotropy of poly(ethylene terephthalate) and poly(ethylene naphthalate) polymeric films by spectroscopic ellipsometry from visible-far ultraviolet to infrared spectral regions”***
A. Laskarakis and S. Logothetidis
J. App. Phys. **99**, 066101, (2006).
63. ***“Investigation of the optical anisotropy of PET and PEN films by Vis-FUV to IR Spectroscopic Ellipsometry”***
A. Laskarakis and S. Logothetidis
Applied Surface Science, Vol. 253, Iss. 1, 52-56 (2006).
64. ***“Optical investigations of the effect of temperature and plasma conditions on the growth of sp^3 -bonded BN thin films”***
A. Laskarakis, S. Logothetidis and S. Kassavetis
Surf. Coat. Techn. **200**, 6449-6453(2006).
65. ***“Haemocompatibility of amorphous carbon thin films, optical properties and adsorption mechanisms of blood plasma proteins”***
S. Lousinian, S. Logothetidis, A. Laskarakis and M. Gioti
Biomolecular Engineering (in press 2006).
66. ***“Early stages of human plasma proteins adsorption on biocompatible thin films probed by atomic force microscope”***
K. Mitsakakis, S. Lousinian and S. Logothetidis
Biomolecular Engineering (in press 2006).

67. ***“Investigation of bilayer period and individual layer thickness of CrN/TiN superlattices by ellipsometry and X-ray techniques”***
S. Logothetidis, N. Kalfagiannis, K. Sarakinos and P. Patsalas
Thin Surface and Coatings Technology **200**, 6176-6180 (2006).
68. ***“High resolution electron microscopy of CrN-TiN thin films grown on Si(100) by rf magnetron sputtering”***
 N. Frangis, D. Papapetros, I. Tsiaoussis and S. Logothetidis
Surface and Coatings Technology, Vol. **200**, Issues 22-23, 6201-6205 (2006).
69. ***“Near-surface mechanical properties and surface morphology of hydrogenated amorphous carbon thin films”***
 S. Kassavetis, S. Logothetidis and G. Matenoglou
Surface and Coatings Technology, Vol. **200**, 6400-6404(2006).
70. ***“Characterization of Si nanocrystals into SiO₂ matrix”***
 C. Gravalidis, S. Logothetidis, N. Hatziaras, A. Laskarakis, N. Frangis and I. Tsiaousis
Applied Surface Science, Vol. **253**, Iss. 1, 385-388 (2006).
71. ***“Nanotechnology in Medicine: The Medicine of Tomorrow and Nanomedicine”***
S. Logothetidis
Hippokratia **10**, 1: 7-21, (2006).
72. ***“Correlation of elastic modulus, hardness and density for sputtered TiAlBN thin films”***
 C. Rebholz, A. Leyland, A. Matthews, C. Charitidis, S. Logothetidis and D. Schneider
Thin Solid Films, Vol. **514**, Iss. 1-2, 81-86 (2006).
73. ***“Nanoscale patterning and deformation of soft matter by scanning probe microscopy”***
 S. Kassavetis, K. Mitsakakis and S. Logothetidis
Materials Science and Engineering: C (in press 2006).
74. ***“Investigation of the optical anisotropy of PET and PEN films by VIS-FUV to IR spectroscopic ellipsometry”***
 A. Laskarakis and S. Logothetidis
Applied Surface Science, Vol **253**, Iss. 1, 52-56 (2006).
75. ***“Effects of multivalent cation substitution on the capacity fading of lithium manganese spinel cathodes”***
 G. Perentzis, E.E. Horopanitis and L. Papadimitriou
Ionics **12**, 269 (2006).
76. ***“On the distribution and bonding environment of Zn and Fe in glasses containing Electric Arc Furnace Dust: a μ -XAFS and μ -XRF study”***
 F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Th. Kehagias, Ph. Komninou and Th. Karakostas

Journal of Hazardous Materials (in press 2006).

77. **“Thermal Degradation kinetics of the biodegradable aliphatic polyester, poly(propylene succinate)”**
K. Chrissafis, K.M. Paraskevopoulos and D.N. Bikiaris
Polymer Degradation and Stability **91** 60 (2006).
78. **“Expression of bioactivity and biocompatibility testing of bioactive glass modified zinc phosphate luting cement”**
E. Kontonasaki, K. Papazisis, L. Papadopoulou, T. Zorba, A. Kortsaris, P. Garefis, K.M. Paraskevopoulos and P. Koidis
Key Engineering Materials vol. 309-311, **813** (2006).
79. **“Attachment and Proliferation of Human Periodontal Ligament Fibroblasts on Fibronectin- coated Bioactive Glass Modified Ceramics”**
E. Kontonasaki, A. Sivropoulou, L. Papadopoulou, P. Garefis, K.M. Paraskevopoulos and P. Koidis
Key Engineering Materials vol. 309-311, **727** (2006).
80. **“Effect of bioactive glass/cement weight ratio on bioactivity and biocompatibility of a bioactive glass modified glass ionomer cement”**
E. Kontonasaki, L. Papadopoulou, T. Zorba, E. Siarampi, K. Papazisis, A. Kortsaris, K.M. Paraskevopoulos and P. Koidis
Key Engineering Materials vol. 309-311, **877** (2006).
81. **“Surface Topography characterization of apatite formation on bioactive glass modified dental ceramics using Confocal Laser Scanning (CLSM) and Environmental Scanning Electron Microscopy (ESEM)”**
G. Stanciu, S. Stanciu, C. Dan, K.M. Paraskevopoulos, X. Chatzistavrou, E. Kontonasaki and P. Koidis
Key Engineering Materials vol. 309-311, **689** (2006).
82. **“EPI-type zeolite synthesis from Greek sulphocalcic fly ashes promoted by H₂O₂ solutions”**
N. Kantiranis, A. Filippidis, Th. Mouhtaros, K.M. Paraskevopoulos, T. Zorba, C. Squires and D. Charistos
FUEL **85**, 360 (2006).
83. **“Technique and Palette of XIIIth Century Painting in the Monastery of Mileseva”**
T. Zorba, E. Pavlidou, M. Stanojlovic, D. Bikiaris, K.M. Paraskevopoulos, V. Nikolic and P.M. Nikolic
Applied Physics A **83**, 719 (2006).
84. **“Onoufrios, the famous XVI’s Century Iconographer, creator of the ‘Berati School’: Studying the Technique and Materials used in Wall Paintings of Inscribed Churches”**
E. Pavlidou, M. Arapi, T. Zorba, M. Anastasiou, N. Civici, F. Stamati and K.M. Paraskevopoulos
Applied Physics A **83**, 709 (2006).
85. **“Electronic Transport Properties Aspects and Structure of Polymer-Fullerene based**

organic semiconductors for Photovoltaic Devices

G. Adamopoulos, T. Heiser, U. Giovanella, S. Ould-Saad, K.I. van de Wetering, C. Brochon, T. Zorba, K.M. Paraskevopoulos and G. Hadziioannou
Thin Solid Films 511-512, **371** (2006).

86. ***“Infrared Properties of Sintered \square -MnSe”***
M.V. Nikolic, P.M. Nikolic, V. Blagojevic, K.M. Paraskevopoulos, T. Zorba, D. Vasiljevic-Radovic and M.M. Ristic
International Journal of Materials Research (Zeitschrift fuer Metallkunde) **97** 666 (2006).
87. ***“Volume Air Flow Sensors Based on NTC Thick Film Segmented Thermistors”***
O.S. Aleksic, P.M. Nikolic and K.M. Paraskevopoulos
Microelectronics International **23**, 14 (2006).
88. ***“Structure Inhomogeneities, Shallow Defects and Charge Transport in the Series of Thermoelectric Materials $K_2Bi_{8-x}Sb_xSe_{13}$ ”***
T. Kyratsi, E. Hatzikraniotis, K.M. Paraskevopoulos, C. Malliakas, J. Dyck, C. Uher and M. Kanatzidis
Journal of Applied Physics **100**, 123704 (2006).
89. ***“The origin of the formation of cavities in galvanized coatings”***
G. Vourlias, N. Pistofidis, G. Stergioudis and E.K. Polychroniadis
Journal of Surface and Interface Analysis **38** (2006) 150-157.
90. ***“Study of the structure and morphology of plasma-sprayed tin coating”***
N. Pistofidis, G. Vourlias, E. Pavlidou, P. Patsalas, G. Stergioudis and E.K. Polychroniadis
Surface and Coatings Technology **200** (2006) 6245-6250.
91. ***“A comparative study of the structure and the corrosion behavior of zinc coatings deposited with various methods”***
G. Vourlias, N. Pistofidis, D. Chaliampalias, E. Pavlidou, P. Patsalas, G. Stergioudis, D. Tsipas and E.K. Polychroniadis
Surface and Coatings Technology **200** (2006) 6594-6600.
92. ***“On the comparative study of three silver coins of the IIIrd century B.C. minted in Korkyra, Dyrrachion and by the Illyrian King Monounios”***
T. Dilo, N. Civici, F. Stamati, Sh. Gjongecaj, I. Prifti, O. Bilani, N. Pistofidis, G. Vourlias, E. Pavlidou, G. Stergioudis and E.K. Polychroniadis
Applied Physics A **83** (2006) 637-642.
93. ***“Comparative study of the corrosion behavior of zinc coatings deposited on low carbon steel substrates”***
N. Pistofidis, G. Vourlias, D. Chaliampalias, E. Pavlidou, G. Stergioudis and E.K. Polychroniadis
Journal of Surface and Interface Analysis **38** (2006) 252-254.
94. ***“Effect of simulated marine atmosphere on tin plasma sprayed coatings”***
G. Vourlias, N. Pistofidis, D. Chaliampalias, E. Pavlidou, G. Stergioudis, E.K.

Polychroniadis and D. Tsipas
Journal of Surface and Interface Analysis **38** (2006) 255-258.

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B. Publication in International Conference Proceeding Volumes

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 2. ***“What does an (a+c)dislocation core look like in wurtzite GaN?”***
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- ΔΣ-1.**
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37. ***“Optical properties of PET and PEN polymeric films from the IR to Vis-farUV spectral region”***
A. Laskarakis, S. Logothetidis
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38. ***“Optical properties of Proteins and Protein Adsorption Study by***

Spectroscopic Ellipsometry

S. Lousinian, S. Logothetidis

Oral Presentation in 4th Workshop on Ellipsometry, 20-22 February 2006, Berlin, Germany

39. ***“Real-time and in-line Optical monitoring of Polymeric substrates & Deposition of Transparent Layers for Flexible Electronics application”***
S. Logothetidis
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40. ***“Optical and structural properties of ZnO for transparent electronics”***
S. Logothetidis, S. Kassavetis, S. Lousinian, C. Gravalidis, A. Laskarakis, G. Kiriakidis
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41. ***“Optical properties of proteins and real-time protein adsorption study”***
S. Lousinian, S. Logothetidis
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42. ***“Surface Modification of Poly(Ethylene Terephthalate) Polymeric Films for Flexible Electronics Applications”***
A. Laskarakis, S. Kassavetis, E. Papaioannou, S. Logothetidis
Poster Presentation in E-MRS 2006, Nice, France.
43. ***“Scanning Probe Microscopy as a tool for nanomechanics and nanopatterning of soft matter”***
K. Mitsakakis, S. Kassavetis, S. Logothetidis
Poster Presentation in E-MRS 2006, Nice, France.
44. ***“Electron Beam Evaporated Pd thin films for Hydrogen Sensors: Properties and Growth Mechanisms”***
C. Stylianou, M. Gioti, C. Gravalidis, S. Logothetidis and C. Christofides
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45. ***“Study of the Electrical Properties of RF reactive plasma”***
M. Garganourakis, S. Logothetidis
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46. ***“Decorative coatings: Color dependency on optical and electronic properties of TiN”***
N. Kalfagiannis, S. Logothetidis
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47. ***“Pentaheptite Carbon Nanotubes”***
G. Volonakis, S. Logothetidis, I. Milošević, Z. Popovi, M. Damjanović

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48. ***“Mechanical characterization of BN thin films – Experiments and simulations”***
G. Ziganitidis and S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006 , Thessaloniki, Greece
49. ***“Scanning Probe Microscopy as a tool for nanomechanics and nanopatterning of soft matter”***
K. Mitsakakis, S. Kassavetis, S. Logothetidis
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50. ***“Nanomechanical properties of sputtered ZnO thin films”***
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Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006, Thessaloniki, Greece.
51. ***“Structural and stability studies for the N-terminal region (1-57) of HP-NAP, Molecular dynamics simulations”***
S. Pentas, F. Kottakis, T. Choli-Papadopoulou, S. Logothetidis and G. Papadopoulos
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006, Thessaloniki, Greece.
52. ***“In vitro evaluation of biocompatibility of amorphous hydrogenated carbon thin films for stent coating, on the scope of platelets’ adhesion and activation”***
V. Karagkiozaki, S. Lousinian, S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006, Thessaloniki, Greece.
53. ***“Optical and structural properties of ZnO for transparent electronics”***
S. Logothetidis, S. Kassavetis, S. Lousinian, C. Gravalidis, A. Laskarakis, G. Kiriakidis
Oral Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006, Thessaloniki, Greece.
54. ***“Optical properties of proteins and real-time protein adsorption study”***
S. Lousinian, S. Logothetidis
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55. ***“Flexible Electronic Devices: Basic Principles, Processes and Applications”***
A. Laskarakis, S. Logothetidis
Oral Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies July 2006, Thessaloniki, Greece.

56. ***“Nanotechnologies: Advances & Prospects Through Covering Sciences”***
S. Logothetidis
Invited Presentation in 6th International Conference of the Balkan Physical Union Instabul, Turkey, 22-26 August, 2006.
57. ***“Accelerating Nanotechnology Academic Spin-Off creation through Public Funding Initiatives”***
M. Chachamidou, S. Logothetidis
Oral Presentation in 11th International Commercialization of Micro and Nano Systems Conference, COMS 2006, 27-31 August 2005, St. Petersburg, Florida, USA.
58. ***“Nanotechnologies: Advances & prospects of the next revolution”***
S. Logothetidis
Invited Presentation in 4th International Student Conference of the Balkan Physical Union, Bodrum, Turkey, 29 August- 1 September 2006.
59. ***“Haemocompatibility of Carbon-Based Thin Films”***
S. Logothetidis
Invited presentation in SMAC, Heraklion, Crete, 10-13 September, 2006.
60. ***“Surface and Temperature Effect on Protein Adsorption to Amorphous Hydrogenated Carbon Thin Films”***
S. Lousinian, S. Kassavetis, S. Logothetidis
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61. ***“HRTEM study of diamond nanocrystals growth in amorphous hydrogenated carbon thin films”***
I.Tsiaoussis, N. Frangis, S. Kassavetis, S. Logothetidis
SMAC, Heraklion, Crete, 10-13 September, 2006.
62. ***“Color dependency on optical and electronic properties of TiNX Thin Films”***
N. Kalfagiannis & S. Logothetidis
Poster Presentation in Emrs Fall Meeting 4-8 September, Warsaw, Poland.
63. ***“Nanotechnology and Future Medical Applications”***
S. Logothetidis
Invited Presentation in 3rd World Congress on “Quality in Clinical Practice” Thessaloniki, 28 September 2006
64. ***“Encapsulation of Flexible Electronics”***
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