

A. Publications in International peer-review Journals.

1. **«Growth and optical absorption of thin ZnSe films»**
P. Pouloupoulos, S. Baskoutas, V. Karoutsos, M. Angelakeris and N. K. Flevaris
Journal of Physics: Conference Series **10** (2005) 259–262
2. **«Strong quantum confinement effects in thin zinc selenide films»**
S. Baskoutas, P. Pouloupoulos, V. Karoutsos, M. Angelakeris, N.K. Flevaris
Chemical Physics Letters **417** (2005) 462–465
3. **“Drug Dissolution:**
A. Dokoumetzidis, K. Kosmidis, P. Argyrakis, and P. Macheras,
Release and Uptake: Modeling and Monte Carlo Simulations, **96**,200(2005).
4. **“Kinetics in the Photobleaching Trapping Reaction inside a Flat Microchannel”**
S. H. Park, H. Peng, R. Kopelman, P. Argyrakis, and H. Taitelbaum,
Depletion Physical Review E, **71**, 031107 (2005).
5. **“ Stability and topology of scale-free networks under attack and defense strategies”**
L. K. Gallos, R. Cohen, P. Argyrakis, A. Bunde and S. Havlin,
Physical Review Letters, **94**, 188701 (2005).
6. **“Language evolution and population dynamics in a system of two interacting species”**
K. Kosmidis, J. Halley, and P. Argyrakis,
Physica A, **353**, 595 (2005).
7. **“Reaction-diffusion processes on correlated and uncorrelated scale-free networks”**
L. K. Gallos and P. Argyrakis,
Physical Review E, **72**, 017101 (2005).
8. **“Fluctuations in ordered $c(2 \times 2)$ two-dimensional lattice gas system with repulsive interactions”**
P. Argyrakis, A. A. Chumak and M. Maragakis,
Physical Review B, **71**, 224304 (2005).
9. **“Refractoriness in Poisson and Gaussian First-order Neural Nets with Chemical Markers”**
E. Fournou, P. Argyrakis, and P. A. Anninos,
Neural Processing Letters, **22**, 57 (2005).
10. **“Controlled inert gas environment for enhanced chlorine and fluorine detection in the visible and near-infrared by laser-induced breakdown spectroscopy”**

George Asimellis, Stephen Hamilton, Aggelos Giannoudakos, Michael Kompitsas
Spectrochimica Acta Part B **60** (2005) 1132 – 1139

11. ***“Pressure screening in the interior of primary shells in double-wall carbon nanotubes”***
J. Arvanitidis, D. Christofilos, K. Papagelis, K. S. Andrikopoulos, T. Takenobu, Y. Iwasa, H. Kataura, S. Ves, and G. A. Kourouklis
Phys. Rev B **71**, 125404 (2005)
12. ***“Double-wall carbon nanotubes under pressure: Probing the response of individual tubes and their intratube correlation”***
J. Arvanitidis, D. Christofilos, K. Papagelis, T. Takenobu, Y. Iwasa, H. Kataura, S. Ves, GA Kourouklis
Phys. Rev B **72**, 193411 (2005)
13. ***“Substrate current and degradation of n-channel polycrystalline silicon thin-film transistors”***
N.A. Hastas, N. Archontas, C.A. Dimitriadis, G. Kamarinos, T. Nikolaidis, N. Georgoulas, and A. Thanailakis,
Microelectronics Reliability **45**, 341 (2005).
14. ***“Improved analysis of low frequency noise in polycrystalline silicon thin-film transistors”***
D.H. Tassis, N.A. Hastas, C.A. Dimitriadis, and G. Kamarinos,
Solid State Electron. **49**, 513 (2005).
15. ***“Thickness dependent structure of β -FeSi₂ grown on silicon by solid phase epitaxy”***
N. Vouroutzis, T.T. Zorba, C.A. Dimitriadis, K.M. Paraskevopoulos, L. Dozsa and G. Molnar,
J. of Alloys and Compounds **393**, 167 (2005).
16. ***“Depth distribution of traps in Au/n-GaAs Schottky diodes with embedded InAs quantum dots”***
D.A. Koutsouras, N.A. Hastas, D.H. Tassis, and C.A. Dimitriadis,
J. Appl. Phys. **97**, 064506 (2005).
17. ***“Thickness dependent formation and properties of GdSi₂/Si(100) interfaces”***
G. Peto, G. Molnar, L. Dozsa, Z.E. Horvath, Zs.J. Horvath, E. Zsoldos, C.A. Dimitriadis, and L. Papadimitriou,
Appl. Phys. A **81**, 975 (2005).
18. ***“On-state drain current modeling of large-grain polycrystalline silicon thin-film transistors based on carrier transport through latitudinal and longitudinal grain boundaries ”***
A. Hatzopoulos, D.H. Tassis, N.A.Hastas, C.A. Dimitriadis, and G. Kamarinos,
IEEE Trans. Electron Devices **52**, 1727 (2005).

19. ***“Effects of hot carriers in offset gated polysilicon thin-film transistors”***
A.T. Hatzopoulos, D.H. Tassis, N. Arpatzani, C.A. Dimitriadis, and G. Kamarinos, *Microelectronics Reliability*, in press (2005).
20. ***“Analytical on-state current model of polycrystalline silicon thin-film transistors including the kink effect”***
A.T. Hatzopoulos, D.H. Tassis, C.A. Dimitriadis, and G. Kamarinos, *Appl. Phys. Lett.* **87**, 063501 (2005).
21. ***“An analytical hot-carrier induced degradation model in polysilicon thin-film transistors”***
A.T. Hatzopoulos, D.H. Tassis, N.A. Hastas, C.A. Dimitriadis, and G. Kamarinos, *IEEE Trans. Electron Devices* **52**, 2182 (2005).
22. ***“Low-frequency noise spectroscopy in Au/n-GaAs Schottky diodes with InAs quantum dots”***
A. Tsormpatzoglou, N.A. Hastas, D.H. Tassis, C.A. Dimitriadis, G. Kamarinos, P. Frigeri, S. Franchi, E. Gombia, and R. Mosca, *Appl. Phys. Lett.* **87**, 163109 (2005).
23. ***“XAFS studies on vitrified industrial waste”***
F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Ph. Komninou, Th. Karakostas, A. Erko,
Physica Scripta, T **115**, 931 (2005).
24. ***“Study of annealing induced devitrification of stabilized industrial waste glasses by means of micro x-ray fluorescence mapping and absorption fine structure spectroscopy”***
F. Pinakidou, M. Katsikini, E.C. Paloura, P. Kavouras, Ph. Komninou, Th. Karakostas, A. Erko
Journal of Non-Crystalline Solids, **351**, 2474 (2005).
25. ***“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 & Methods B (in press).
26. ***“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, O. Kalogirou, Ph. Komninou and Th. Karakostas,
Nuclear Instruments & Methods B (in press).
27. ***“Interfacial structure of MBE grown InN on GaN”***
Th. Kehagias, E. Iliopoulos, A. Delimitis, G. Nouet, E. Dimakis, A. Georgakilas, Ph. Komninou.
Phys. Stat. Sol. (a) **202**, No 5, 777-780 (2005).

28. ***“Misfit accommodation of compact and columnar InN grown on Ga-face GaN (0001) by molecular-beam epitaxy”***
Th. Kehagias, A. Delimitis, Ph. Komninou, E. Iliopoulos, E. Dimakis, A. Georgakilas, G. Nouet
Appl. Phys. Lett. **86**, 151905 (2005).
29. ***“Correlation between nucleation, morphology and residual strain of InN grown on GaN (0001)”***
E. Dimakis, K. Tsagaraki, E. Iliopoulos, Ph. Komninou, Th. Kehagias, A. Delimitis, and A. Georgakilas
J. Cryst. Growth **278**, 367-372 (2005).
30. ***“Disconnections and inversion domain formation in GaN/AlN heteroepitaxy on (111) silicon”***
G.P. Dimitrakopoulos, A.M. Sanchez, Ph. Komninou, P. Ruterana, G. Nouet, Th. Kehagias, Th. Karakostas
Phys. Stat. Sol. (c) **2**, No **7**, 2500-2503 (2005).
31. ***“Heteroepitaxial growth of In-face InN on GaN (0001) by plasma-assisted molecular-beam epitaxy”***
E. Dimakis, E. Iliopoulos, K. Tsagaraki, Th. Kehagias, Ph. Komninou, and A. Georgakilas
J. Appl. Phys. **97**, 113520 (2005).
32. ***“Interfacial steps, dislocations, and inversion domain boundaries in the GaN/AlN/Si (0001)/(111) epitaxial system”***
G.P. Dimitrakopoulos, A.M. Sanchez, Ph. Komninou, Th. Kehagias, Th. Karakostas, G. Nouet, P. Ruterana
Phys. Stat. Sol. (b) **242**, No 8, 1617-1627 (2005).
33. ***“Partial dislocations in wurtzite GaN”***
Ph. Komninou, J. Kioseoglou, G. P. Dimitrakopoulos, Th. Kehagias, and Th. Karakostas.
Phys. Stat. Sol. (a) **202**, No 15, 2888-2899 (2005)
34. ***“Effect of composition and annealing temperature on the mechanical properties of a vitrified waste”***
P. Kavouras, Ph. Komninou, Th. Karakostas
Journal of the European Ceramic Society **24** (7) (2004) 2095 – 2102.
35. ***“Atomic structures and energies of partial dislocations in wurtzite GaN”***
J. Kioseoglou, G.P. Dimitrakopoulos, Ph. Komninou, Th. Karakostas
Phys. Rev. B **70** (2004) 035309 1-12.
36. ***“Junction lines of inversion domain boundaries with stacking faults in GaN”***
J. Kioseoglou, G.P. Dimitrakopoulos, Ph. Komninou, H.M. Polatoglou, A. Serra, A. Béré, G. Nouet and Th. Karakostas
Phys. Rev. B **70**, (2004) 115331 1-7.

37. ***“Microstructural assessment of InN-on-GaN films grown by plasma-assisted MBE”***
Ph. Komninou, Th. Kehagias, A. Delimitis, G.P. Dimitrakopoulos, J. Kioseoglou, E. Dimakis, A. Georgakilas and Th. Karakostas
Superlattices and Superstructures **36**, 509-515 (2004)
38. ***“Studying morphological characteristics of thermally treated bioactive glass ceramic using image analysis”***
C. Pritsos, E. Kontonasaki, X. Chatzistavrou, L. Papadopoulou, P. Koidis, K.M. Paraskevopoulos
J. of the European Ceramic Society, **25**, 891 (2005).
39. ***“Detailed Study of Ga low compositional substitution by In in polycrystalline GaSb”***
A. Amariei, X. Chatzistavrou, Al. Stavrinadis, K.M. Paraskevopoulos, E.K. Polychroniadis
Phys. Stat. Sol. c **2**, 1304 (2005).
40. ***“On the synthesis and characterization of polycrystalline GaSb suitable for thermophotovoltaic (TPV) applications”***
A. Mitric, Th. Duffar, A. Amariei, X. Chatzistavrou, E. Pavlidou, K.M. Paraskevopoulos, E.K. Polychroniadis
J. of Optoelectronics and Advanced Materials **7**, 659 (2005).
41. ***“The effects of procedural variables on the maximum capture efficiency of CO₂ using a carbonation/calcination cycle of carbonate rocks”***
K. Chrissafis, C. Dagounaki, K.M. Paraskevopoulos
Thermochimica Acta, **428**, 193, (2005).
42. ***“Formation of MnS clusters into Laumontite zeolite”***
E. Iakomi, A. Vasile, E. Pavlidou, K.M. Paraskevopoulos, N. Vouroutzis, Ch. Lioutas, E.K. Polychroniadis
J. of Optoelectronics and Advanced Materials **7**, 859 (2005).
43. ***“The effect of sintering on the maximum capture efficiency of CO₂ using a carbonation/calcination cycle of carbonate rocks”***
K. Chrissafis, K.M. Paraskevopoulos
Journal of Thermal Analysis and Calorimetry, **81**, 463 (2005).
44. ***“Growth of single Hg(Br_xI_{1-x})₂ crystals and their detecting action”***
M.M. Gospodinov, D. Petrova, I. Y. Yanchev, M. Daviti, M. Manolopoulou, K.M. Paraskevopoulos, A. N. Anagnostopoulos, E.K. Polychroniadis
Journal of Alloys and Compounds, **400**, 249 (2005).
45. ***“Thermal Degradation Mechanism of poly(ethylene succinate) and poly(butylene succinate): Comparative Study”***
K. Chrissafis, K.M. Paraskevopoulos, D.N. Bikiaris
Thermochimica Acta **435**, 142, (2005).

46. ***“Separating natural from synthetic amethyst: the presence and true-shape of the 3595 cm⁻¹ peak.”***
S. Karampelas, E. Fritsch, T. Zorba, K.M. Paraskevopoulos, S. Sklavounos
Mineralogy and Petrology **85**, 45 (2005).
47. ***“Investigation of copper patinas using ion beam analysis and scanning electron microscopy”***
F. Noli, P. Misaelidis, E. Pavlidou and M. Kokkoris
Surface and Interface Analysis, **37** (2005), p. 288-293.
48. ***“Modification of the growth-direction of the zinc coatings associated with element additions to the galvanizing bath”***
Eleni Pavlidou, Nikos Pistofidis, George Vourlias, George Stergioudis.
Materials Letters, 59 (2005), p. 1619-1622.
49. ***“Compatibilisation effect of PP-g-MA copolymer on iPP/SiO₂ nanocomposites prepared by melt mixing”***
D.N. Bikiaris, A. Vassiliou, E. Pavlidou, G.P. Karayannidis
Eur. Polymer J. **41** (2005), p. 1965-1978.
50. ***“Physicochemical studies on solid dispersions of poorly water-soluble drugs. Evaluation of capabilities and limitations of thermal analysis techniques”***
D. Bikiaris, G.Z. Papageorgiou, A. Stergiou, E. Pavlidou, E. Karavas, F. Kanaze, M. Georgarakis
Thermochimica Acta **439** (2005), p. 58-67.
51. ***“Production of Amoxicillin Microparticles by Supercritical Antisolvent Precipitation”***
C. Kalogiannis, E. Pavlidou and G. Panagiotou
Ind. Eng. Chem. Res. **44** (2005), p. 9339-9346.
52. ***“Cutting performance improvement through micro-blasting on well-adherent PVD films on cemented carbide inserts”***
K.D. Bouzakis, G. Skordaris, I. Mirisidis, N. Michailidis, G. Mesomeris, E. Pavlidou, G. Erkens
Surface & Coatings Techn. **200** (2005), p. 1879-1884.
53. ***“Mechanical properties and morphological examination of isostatic Polypropylene/SiO₂ nanocomposites containing PP-g-MA as compatibilizer”***
E. Pavlidou, D. Bikiaris, A. Vassiliou, M. Chiotelli and G. Karayannidis
J. of Physics:Conference Series **10** (2005), p. 190-193.
54. ***“On the Synthesis and Characterization of Polycrystalline GaSb Suitable for Thermophotovoltaic (TVP) Applications”***
A. Mitric, Th. Duffar, A. Amariei, X. Chatzistavrou, E. Pavlidou, K.M. Paraskevo-poulos, E.K. Polychroniadis
J. of Optoelectronics & Advanced Materials 7/2 (2005), p. 659-664.

55. ***“Probing the effect of temperature on the incorporation of Al species in a SiC matrix”***
C. Jacquier, G. Ferro, M. Zielinski, E.K. Polychroniadis, A. Andreadou, J. Camassel, Y. Monteil
Physica Status Solidi (c), **2** (2005) 1265-1268.
56. ***“Defect status near the SiC/substrate interface: Investigation of the first stage of the growth by physical vapour transport”***
A. Mantzari, E.K. Polychroniadis, J. Wollweber, A. Freudenberg, C. Balloud and J. Camassel
J. Crystal Growth, **275** (2005) 1813-1820.
57. ***“Growth and structural characterization of GaInAsSb films on GaSb substrates”***
A. Amariei, E.K. Polychroniadis, F. Dimroth, A.W. Bett
J. Crystal Growth, **275** (2005) 1229-1234.
58. ***“The combined role of nickel and boron on the nucleation and growth of Fe-based non-crystalline alloys”***
G. Stergioudis, G. Vourlias, N. Pistofidis, K. Chrissafis, E.K. Polychroniadis
J. Crystal Growth, **275** (2005) 1821-1826.
59. ***“Detailed study of the crystallization behavior of the metallic glass Fe₇₅Si₉B₁₆”***
K. Chrissafis, M.I. Maragakis, K.G. Efthimiadis and E.K. Polychroniadis
J. of Alloys and Compounds, **386** (2005) 165-173.
60. ***“A negative effect of the insoluble particles of dross on the quality of the galvanized coatings”***
G. Vourlias, N. Pistofidis, G. Stergioudis, E. K. Polychroniadis
Solid State Sciences, **7** (2005) 465-474.
61. ***“Nucleation control in FLASIC assisted short time liquid phase epitaxy by melt modification”***
J. Pezoldt, E.K. Polychroniadis, Th. Stauden, G. Ecke, T. Chassagne, P. Vennegues, A. Leycuras, D. Panknin, J. Stoemenos and W. Skorupa
Materials Science Forum **483** (2005) 213-216.
62. ***“Comparative evaluation of free-standing 3C-SiC crystals”***
E.K. Polychroniadis, C. Balloud, S. Juillaguet, G. Ferro, Y. Monteil, J. Camassel and J. Stoemenos
Materials Science Forum **483** (2005) 229-232.
63. ***“Epitaxial SiC formation at the SiO₂/Si interface by C⁺ Implantation into SiO₂ and subsequent annealing”***
M. Voelskow, D. Panknin, E.K. Polychroniadis, G. Ferro, P. Godignion, N. Mestres, W. Skorupa, Y. Monteil, J. Stoemenos.
Materials Science Forum **483** (2005) 233-236.

64. ***“PVT-growth and characterization of single crystalline 3C-SiC on a (0001) 6H-SiC substrate”***
E.K. Polychroniadis, A. Mantzari, A. Freudenberg, J. Wollweber, R. Nitschke, T. Frank, G. Pensl, A. Schoner
Materials Science Forum **483** (2005) 319-322.
65. ***“Microstructural characterization of 3C-SiC thin films grown by flash lamp induced liquid phase epitaxy”***
G. Ferro, D. Panknin, E.K. Polychroniadis, Y. Monteil, W. Skorupa, J. Stoemenos
Materials Science Forum **483** (2005) 295-298.
66. ***“Is the Al Solubility limit in SiC temperature dependent on not?”***
C. Jacquier, G. Ferro, M. Zielinski, E.K. Polychroniadis, A. Andreadou, J. Camassel and Y. Monteil
Materials Science Forum **483** (2005) 125-128.
67. ***“Study of the phases formed during the growth of thick coating with coarse grained tin”***
G. Vourlias, N. Pistofidis, P. Patsalas, E. Pavlidou, G. Stergioudis, E.K. Polychroniadis
High Temperature Materials Processes **9** (2005) 227-236.
68. ***“Structural defects near the film/substrate interface of a homo-epitaxial 4H-SiC film grown by the VLS mechanism”***
E.K. Polychroniadis
Semiconductor Science and Technology **20** (2005) 645-651 .
69. ***“Nanostructuring, compositional fluctuations and atomic ordering in the thermoelectric materials $AgPb_mSbTe_{2+m}$. The myth of solid solutions”***
E. Quarez, K.F. Hsu, R. Pcionek, N. Frangis, E.K. Polychroniadis, M.G. Kanatzidis
J. Am. Chem. Soc. **127** (2005) 9177-90.
70. ***“The double modulation superstructure of the room temperature stable phase of stoichiometric Cu_2Te ”***
N. Vouroutzis, N. Frangis and C. Manolikas
Phys. Stat. Sol. (a) **202**, 271-280 (2005).
71. ***“Effects of normal load on nanotribological properties of sputtered carbon nitride films”***
C.A.Charitidis and S. Logothetidis
Diamond and Related Materials, **14** 98-108 (2005)
72. ***“Surface and interface properties of amorphous carbon layers on rigid and flexible substrates”***,
Logothetidis S.,
Thin Solid Films, **482** 9-18 (2005)
73. ***“Haemocompatibility studies on carbon-based thin films by ellipsometry”***

Logothetidis S., M. Gioti, S. Lousinian and S. Fotiadou
Thin Solid Films, 482 126-132 (2005)

74. ***“Effects of energetic species during the growth of Nitrogenated amorphous carbon thin films on their Nanomechanical properties”***
C. Charitidis, P. Patsalas and S. Logothetidis
Thin Solid Films, 482 177-182 (2005)
75. ***“Nanomechanical and nanotribological properties of carbon based films”***
C. Charitidis and S. Logothetidis
Thin Solid Films, 482 120-125 (2005)
76. ***“An electrical, optical and epr study of room temperature deposited CN_x films on Si”***
N. Konofaos, I. Deliyianakis, E.K. Evangelou, M. Gioti and S. Logothetidis,
Thin Solid Films, 482 270-274 (2005)
77. ***“Electronic and optical properties of a-C from tight-binding molecular dynamics simulations”***
C. Mathioudakis, P.C. Kelires, M. Gioti, P. Patsalas and S. Logothetidis
Thin Solid Films, 482 151-155 (2005).
78. ***“Surface and interface morphology and structure of amorphous carbon surfaces, ultra-thin films and multilayer structures”***,
P. Patsalas, S. Logothetidis and P.C. Kelires
Diamond and Related Materials, (in press 2005).
79. ***“Nanoscale effects on the Nanomechanical properties of multifunctional materials”***
C. Charitidis and S. Logothetidis
Computational Materials Science, 33 296-302 (2005).
80. ***“Crystallization of amorphous- films by flash lamp annealing”***
B. Pécz, L. Dobos, D. Panknin, W. Skorupa, C. Lioutas, N. Vouroutzis
80. Applied Surface Science 242(1-2), 185 (2005).
81. ***“Morphological features related to micropipe closing in 4H-SiC”***
R. Yakimova, N. Vouroutzis, M. Syväjärvi and J. Stoemenos
81. J APPL PHYS 98 (3): art. no. 034905 AUG 1 2005.

B. Publication in International Conference Proceeding Volumes

1. ***“Stability and topology of scale-free networks under attack and defense strategies”***
L.K. Gallos, R. Cohen, P. Argyrakis, A. Bunde, and S. Havlin
Annual March Meeting of the American Physical Society, Los Angeles, CA, USA (Mar 2005) :
2. ***“Stability and topology of scale-free networks under attack and defense strategies”***
L.K. Gallos, R. Cohen, P. Argyrakis, A. Bunde, and S. Havlin
Dynamics Days 2005, Berlin, Germany (25-28 Jul 2005):
3. ***“Parameter optimization for efficient Bromine and Sulfur detection in the Near-Infrared spectral range”***
George Asimellis, Aggelos Giannoudakos, and Michael Kompitsas
3rd Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, 6-9 September 2005, Aachen, Germany.
4. ***“Structural and optical characterisation of thick InN epilayers grown with a single or two step growth process on GaN(0001)”***
A Delimitis, P Gladkov, P Komninou, T Kehagias, J Arvanitidis, S Ves, M Katsikini, E Dimakis, A Georgakilas
Fall Meeting of the European-Materials-Research-Society (E-MRS), SEP 05-08, 2005.
5. ***“Study of the Phase Transformation in Characterized TlSbSe₂ Monocrystals”***
K. Chrissafis, M. Ozer, E. Vinga, E. Polychroniadis, X. Chatzistavrou, K.M. Paraskevopoulos
Proceedings of Medicta 2005 “7th Mediterranean Conference on Calorimetry and Thermal Analysis”, 2-7 July, Thessaloniki (GRECE).
6. ***“A built-in current sensor using thin-film transistors”***
A.A. Hatzopoulos, S. Siskos, C.A. Dimitriadis, N. Papadopoulos, I. Pappas, and L. Nalpantidis
Journal of Physics: Conference Series **10**, 289 (2005).
7. ***“A study of different types of current mirrors using polysilicon TFTs”***
I. Pappas, L. Nalpantidis, V. Kalenteridis, S. Siskos, C.A. Dimitriadis, and A.A. Hatzopoulos
Journal of Physics: Conference Series **10**, 373 (2005).
8. ***“A simple and continuous current model of polysilicon thin-film transistors for circuit simulation”***
A.T. Hatzopoulos, D.H. Tassis, N.A. Hastas, C.A. Dimitriadis, S. Siskos, and A.A. Hatzopoulos
Journal of Physics: Conference Series **10**, 27 (2005).

9. ***“A new analogue driver using poly-Si thin-film transistors for active matrix displays”***
I. Pappas, V. Kalenteridis, L. Nalpantidis, S. Siskos, C.A. Dimitriadis, and A.A. Hatzopoulos
XX Conf., on Design of Circuits and Integrated Systems, Nov. 23-25, 2005 (Lisboa, Portugal).
10. ***“Built-in current sensor with reduced voltage drop using thin-film transistors”***,
A.A.Hatzopoulos, S.Siskos, C.A.Dimitriadis, N.Papadopoulos
IEEE Intern. Symposium on Circuits and Systems, May 23-26, 2005 (Kobe, Japan).
11. ***“Hot carrier effects in self-aligned and offset gated polysilicon thin-film transistors”***,
A.Hatzopoulos, D.Tassis, N.Arpatzanis, C.Dimitriadis, and G.Kamarinos
2005 MRS Fall Meeting, Boston, USA.
12. ***“Study of glasses containing Zn- and Fe- contaminated Electric Arc Furnace Dust by means of μ -XRF mapping and μ -XAFS”***
F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Th. Kehagias, Ph. Komninou, Th. Karakostas and A. Erko
“Proceedings International Conference on Engineering for Waste Treatment, p.A112 (2005).
13. ***“Identification of materials and techniques of late-Byzantine and post-Byzantine wall paintings in Albania, with spectroscopic methods”***
N. Civici, K. Paraskevopoulos, T. Zorba, T. Dilo, F. Stamati, M. Anastasiou, M. Arapi
Proceedings of 8th International Conference on Non-Destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage: ART'05 May 15-19, 2005, Lecce /Italy p. B-165 (2005)
14. ***“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-MRS”***
E. Pavlidou, M. Arapi, T. Zorba, M. Anastasiou, N. Civici, F. Stamati, K.M. Paraskevopoulos
“Materials Science and Cultural Heritage” Strasbourg May 31 –June 3, 2005
(Oral presentation).
15. ***“Technique and Palette of XIIIth Century Painting in Monastery of Mileseva”***
T. Zorba, E. Pavlidou, M. Stanojlovic, D. Bikiaris, K.M. Paraskevopoulos, V. Nikolic, P.M. Nikolic
E-MRS “Materials Science and Cultural Heritage” Strasbourg May 31 – June 3, 2005
(Oral presentation).

16. ***“Electronic Transport Properties Aspects and Structure of Polymer-Fullerene based organic semiconductors for Photovoltaic Devices”***
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