

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ.

1. **“Growth and characterization of polar (0001) and semipolar (11-22) InGaN/GaN quantum dots”**
A. Das, P. Sinha, Y. Kotsar, P. K. Kandaswamy, G. P. Dimitrakopoulos, Th. Kehagias, Ph. Komninou, G. Nataf, P. De Mierry and E. Monroy
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2. **“Morphology and strain of self-assembled semipolar GaN quantum dots in (11-22) AlN”**
G. P. Dimitrakopoulos, E. Kalesaki, J. Kioseoglou, Th. Kehagias, A. Lotsari, L. Lahourcade, E. Monroy, I. Häusler, H. Kirmse, W. Neumann, G. Jurczak, T. D. Young, P. Dłuzewski, Ph. Komninou and Th. Karakostas
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3. **“Piezoelectric InAs (211)B quantum dots grown by molecular beam epitaxy: Structural and optical properties”**
G. E. Dialynas, S. Kalliakos, C. Xenogianni, M. Androulidaki, T. Kehagias, P. Komninou, P. G. Savvidis, Z. Hatzopoulos, and N. T. Pelekanos
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5. **“Direct comparison of catalyst free and catalyst – induced GaN nanowires”**
C. Cheze, L. Geelhaar, O. Brandt, W. M. Weber, H. Riechert, St. Munch, R. Rothermund, St. Reitzenstein, A. Forchel, Th. Kehagias, Ph. Komninou, G. P. Dimitrakopoulos and Th. Karakostas
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6. **“Interfacial structure of semipolar AlN grown on m-plane sapphire by MBE”**
T. Kehagias, L. Lahourcade, A. Lotsari, E. Monroy, G. P. Dimitrakopoulos and P. Komninou
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7. **“Microstructure of N-face InN grown on Si (111) by plasma-assisted MBE using a thin GaN-AlN buffer layer”**
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8. **“Structure, stability and mechanical performance of AlN:Ag nanocomposite films”**
A. Lotsari, G.P. Dimitrakopoulos, Th. Kehagias, P. Kavouras, H. Zoubos, L.E. Koutsokeras, P. Patsalas, Ph. Komninou
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9. **“Electron microscopy of InGaN nanopillars spontaneously grown on Si (111) substrates”**
Th. Kehagias, I. Kerasiotis, A. P. Vajpeyi, I. Hausler, W. Neumann, A. Georgakilas, G. P. Dimitrakopoulos, and Ph. Komninou
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10. **“On the deposition mechanisms and the formation of glassy Cu-Zr thin films”**
G. A. Almyras, G. M. Matenoglou, Ph. Komninou, C. Kosmidis, P. Patsalas, and G. A. Evangelakis
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12. **“Metal-containing Diamond Like Carbon (DLC:Ag) and AlN (AlN:Ag) metallo-dielectric nanocomposites”**
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14. **“Bare-Eye View at the Nanoscale: a New Visual Interferometric Multi-Indicator (VIMI)”**
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15. **“Rapid magnetic heating treatment by highly charged maghemite nanoparticles on Wistar rats exocranial glioma tumors at microliter volume”**
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16. **“Nanoscale indium variation along InGaN nanopillars grown on (111) Si substrates”**
Th. Kehagias
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17. **“Self-assembled multifunctional Fe/MgO nanospheres for magnetic resonance imaging and hyperthermia”**
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 25. ***“Worldwide spreading of economic crisis”***
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 26. ***“Magnetic confinement of Brownian rotation to a single axis and application to Janus and cluster microparticles”***
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40. **“Real-time optical modelling and investigation of inorganic nano-layer growth onto flexible polymeric substrates”**
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41. **“Modification of the electrical properties of PEDOT:PSS by the incorporation of ZnO nanoparticles synthesized by laser ablation”**
N.G. Semaltianos, S. Logothetidis, N. Hastas, W. Perrie, S. Romani, R.J. Potter, G. Dearden, K.G. Watkins, P. French, M. Sharp
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46. **“Atomic force microscopy probing in the measurement of cell mechanics”**
Dimitrios Kirmizis and Stergios Logothetidis
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47. **“Nanomedicine for the reduction of the thrombogenicity of stent coatings”**
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E. Hatzikraniotis, K.T. Zorbas, I. Samaras, Th. Kyratsi, K. M. Paraskevopoulos
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56. ***“Characterisation of the bioactive behaviour of sol-gel hydroxyapatite-CaO and hydroxyapatite-CaO-bioactive glass composites”***
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57. ***“Characterization and in vitro-bioactivity of natural hydroxyapatite based bio glass-ceramics synthesized by thermal plasma processing”***
C.P. Yoganand, V. Selvarajan, Valeria Cannillo, Antonella Sola, E. Roumeli, O.M. Goudouri, K.M. Paraskevopoulos, Mahmoud Rouabhia
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58. ***“Thermal degradation kinetics and decomposition mechanism of two new aliphatic biodegradable polyesters poly(propylene glutarate) and poly(propylene suberate)”***
K. Chrissafis, K. M. Paraskevopoulos, D. Bikiaris
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X. Chatzistavrou, D. Esteve, E. Hatzistavrou, E. Kontonasaki, K. M. Paraskevopoulos, Aldo R. Boccaccini
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K. Chrissafis, K.M. Paraskevopoulos, A. Jannakoudakis, T. Beslikas, D. Bikiaris
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G. Antoniadis, K.M. Paraskevopoulos, D. Bikiaris, K. Chrissafis
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K. Ioannou, E. Hatzikraniotis, Ch. B. Lioutas, K. M. Paraskevopoulos, Th. Kyratsi
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67. **“Study of LiMgVO₄ electrical conductivity mechanism”**
C. Paraskeva, A. Kazakopoulos, K. Chrissafis and O. Kalogirou
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68. **“In-situ prepared PET nanocomposites: Effect of organically modified montmorillonite and fumed silica nanoparticles on PET physical properties and thermal degradation kinetics”**
A. Vassiliou, K. Chrissafis, D.N. Bikiaris
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69. **“Thermal degradation kinetics of poly(ethylene terephthalate) with multi-walled carbon nanotubes (PET/MWCNTs)”**
A. Vassiliou, K. Chrissafis, D.N. Bikiaris
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70. **“Initial stages of oxidation resistance of a precipitation-hardening (PH) steel”**
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73. ***“An estimate of the minting method of three silver coins of the 3rd century B.C. through their microstructural study”***
N. Pistofidis, G. Vourlias, T. Dilo, N. Civici, S. Gjongecaj, S. Skolianos, E.K. Polychroniadis
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76. ***“The effect of Al and Cr additions on pack cementation zinc coatings”***
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82. **“Two-phases epitaxial growth of erbium silicide on Si (100)”**
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83. **“Understanding Nanostructures in Thermoelectric Materials: An Electron Microscopy Study of $AgPb_{18}SbSe_{20}$ Crystals”**
Ch. B. Lioutas, N. Frangis, I. Todorov, D.Y. Chung and M.G. Kanatzidis
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84. **“Analytical modeling for the current-voltage characteristics of lightly-doped symmetric double-gate MOSFETs”**
A. Tsormpatzoglou, D. H. Tassis, C. A. Dimitriadis, G. Ghibaudo, G. Pananakakis and N. Collaert
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85. **“Source/drain optimization of underlapped lightly doped double-gate MOSFETs”**
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Solid State Electron. **57**, 31, 2010

α) Δημοσιεύσεις σε τόμους πρακτικών Διεθνών Συνεδρίων με κριτές.

1. **“Self-assembled multifunctional Fe/MgO nanospheres for MRI and Hyperthermia”**
C. Martinez-Boubeta, Ll. Balcells, B. Martínez, R. Cristòfol, C. Sanfeliu, E. Rodríguez, R. Weissleder, S. Lope-Piedrafita, A. Chalkidou, K. Simeonidis, M. Angelakeris, Th. Samaras, K. Papazisis, C. Dendrinou-Samara, O. Kalogirou, D. Serantes, and D. Baldomir
in 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock-Germany, 25-29 May 2010.
2. **“Structural and Magnetic Hyperthermia Features of Iron Oxide Nanoparticles”**
A. Kotoulas, E. Gkanas, K. Simeonidis, M. Angelakeris, C. Dendrinou-Samara and O. Kalogirou
in 7th International Conference on Nanosciences & Nanotechnologies, Ouranoupolis, Halkidiki, Greece, 11-14 July 2010.
3. **“Hyperthermia Response of Iron Oxide Nanoparticles taken up by Cancer Cells”**
E. Gkanas, M. Koureta, A. Kotoulas, M. Angelakeris, K. Chlichlia, A. Dendrinou-Samara, Th. Samaras and O. Kalogirou
in 7th International Conference on Nanosciences & Nanotechnologies, Ouranoupolis, Halkidiki, Greece, 11-14 July 2010.
4. **“Synthesis and characterization of NiFe₂O₄ core shell nanoparticles”**
Th. Kalampaliki, M. Darda, K. Simeonidis, M. Angelakeris, C. Dendrinou-Samara
in 7th International Conference on Nanosciences & Nanotechnologies, Ouranoupolis, Halkidiki, Greece, 11-14 July 2010.
5. **“Synthesis of iron oxides nanoparticles for biomedical applications”**
M. Filippousi, A. Kotoulas, G. Vourlias, N. Vouroutzis, M. Angelakeris, O. Kalogirou, D. Zamboulis, E. Pavlidou
in 7th International Conference on Nanosciences & Nanotechnologies, Ouranoupolis, Halkidiki, Greece, 11-14 July 2010.
6. **“Influence of Deposition Parameters on Self-assembled Ag-Co Core-shell Nanoparticles”**
A.D. Crisan, M. Angelakeris, K. Simeonidis, O. Crisan
in 7th International Conference on Nanosciences & Nanotechnologies, Ouranoupolis, Halkidiki, Greece, 11-14 July 2010.
7. **“Percolation in the growing clusters model”**
M. Maragakis, N. Tsakiris, K. Kosmidis, and P. Argyrakis
workshop proceedings, p.9, TWCS'2010 – “Turunc Workshop on Complex Systems” 2010, Marmaris, Turkey, August – September 2010.
8. **“Explosive Percolation as a tool of examining discontinuous phenomena in Nanotechnology”**
P. Giazitzidis, N. Mpastas, K. Kosmidis and P. Argyrakis
7th International Conference on Nanosciences & Nanotechnologies (NN10), Ouranoupoli, Chalkidiki, 11-14 July 2010.

9. ***“High pressure Raman study of the $\text{Sm}_{2.75}\text{C}_{60}$ fulleride”***
S. M. Souliou, J. Arvanitidis, D. Christofilos, K. Papagelis, S. Ves, G. A. Kourouklis, K. Prassides, Y. Iwasa, and K. Syassen J. Arvanitidis, D. Christofilos, G. A. Kourouklis, S. Ves, T. Takenobu, Y. Iwasa, and H. Kataura.
48th EHPRG Conference, 25-29 July 2010 - Uppsala, Sweden
10. ***“ELNES study of AlN , $\text{Al}_x\text{In}_{1-x}\text{N}$ and $\text{AlN}_y\text{O}_{1-y}$ ”***
M.M. Soumelidou, E. Kalesaki, J. Kioseoglou, H. Kirmse, W. Neumann, Ph. Komninou and Th. Karakostas
“Frontiers in EELS”, Vienna University of Technology, Austria, March 2010
11. ***“Intergranular boundaries in non-polar and semi-polar III-nitride heteroepitaxy: Introduction mechanisms, energetics and role as defect sources”***
Ph. Komninou, J. Kioseoglou, Th. Kehagias, E. Kalesaki, A. Lotsari, J. Sma; c-Koziorowska, Th. Karakostas, G. P. Dimitrakopoulos
XIII International Conference on Intergranular and Interphase Boundaries, Mie, Japan, 27 June – 2 July 2010
12. ***“Structural properties of Monolayer thick $\text{InxGa1-Xn}/\text{GaN}$ heterostructures”***
E. Kalesaki, J. Kioseoglou, S. –L. Sahonta, Th. Kehagias, G. P. Dimitrakopoulos, Ph. Komninou, Th. Karakostas
XIII International Conference on Intergranular and Interphase Boundaries, Mie, Japan, 27 June – 2 July 2010
13. ***“Morphology and strain state determination of semipolar GaN Quantum Dots in AlN matrix”***
E. Kalesaki, J. Kioseoglou, Th. Kehagias, E. Monroy, H. Kirmse, W. Neumann, P. Dluzewski, G. P. Dimitrakopoulos, Ph. Komninou
XIII International Conference on Intergranular and Interphase Boundaries, Mie, Japan, 27 June – 2 July 2010
14. ***“Morphology and Interfacial Structure of InGaN Nanodisks Grown in GaN Nanorods”***
Th. Kehagias, T. Koukoula, G.P. Dimitrakopoulos, E. Kalesaki, H. Kirmse, W. Neumann, F. Furtmayr, M. Eickhoff, Th. Karakostas, Ph. Komninou
International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010
15. ***“Structural characteristics and strain state of semipolar (11-22) GaN Quantum Dots in AlN matrix”***
G. P. Dimitrakopoulos, E. Kalesaki, J. Kioseoglou, Th. Kehagias, A. Lotsari, L. Lahourcade, E. Monroy, H. Kirmse, W. Neumann, G. Jurczak, T. D. Young, P. Dluzewski, Ph. Komninou, and Th. Karakostas
International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010
16. ***“Effect of a-edge threading dislocations on the electronic properties of InN”***
E. Kalesaki, J. Kioseoglou, L. Lymperakis, Ph. Komninou, and Th. Karakostas
International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010
17. ***“Indium adsorption and incorporation on polar AlN”***
E. Kalesaki, J. Kioseoglou, Ph. Komninou, and Th. Karakostas

International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010

18. ***“Atomic structure of nonpolar-semipolar boundaries in III-Nitride semiconductors”***
J. Kioseoglou, G. P. Dimitrakopoulos, J. Smalc-Koziorowska, Th. Kehagias, A. Lotsari, Th. Karakostas and Ph. Komninou
International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010
19. ***“A DFT investigation of Frank- Shockley partial dislocations in wurtzite GaN”***
J. Kioseoglou, E. Kalesaki, L. Lymperakis, J. Neugebauer, Ph. Komninou, and Th. Karakostas,
International Conference on Extended Defects in Semiconductors, Brighton, UK, September 2010
20. ***“Symmetry and nonlinear mechanics of a semipolar quantum dot”***
T. D. Young, G. Jurczak, P. Dłuzewski, E. Kalesaki, G. Dimitrakopoulos, and Ph. Komninou
37th Solid Mechanics Conference, Warsaw, Poland, September 2010
21. ***“Structural properties of Semipolar III-Nitride Quantum Dots”***
G. P. Dimitrakopoulos, E. Kalesaki, A. Lotsari, Th. Kehagias, J. Kioseoglou, A. Das, L. Lahourcade, E. Monroy, I. Hausler, H. Kirmse, W. Neumann, Ph. Komninou, and Th. Karakostas
19th European Workshop on Heterostructure Technology (HETECH), Crete, October 2010
22. ***“InGaN Nanodiscs Embedded in GaN Nanorods Grown by MBE”***
Th. Kehagias, T. Koukoula, G.P. Dimitrakopoulos, E. Kalesaki, H. Kirmse, W. Neumann, F. Furtmayr, M. Eickhoff, Th. Karakostas, Ph. Komninou
19th European Workshop on Heterostructure Technology (HETECH), Crete, October 2010
23. ***“Nanoscale Structure of InGaN Quantum Dot Superlattices Grown by MBE”***
T. Koukoula, Th. Kehagias, A. Lotsari, A. Das, E. Monroy, G.P. Dimitrakopoulos and Ph. Komninou
19th European Workshop on Heterostructure Technology (HETECH), Crete, October 2010
24. ***“Surface Thermodynamics of (11-22) and (11-2-2) Semipolar AlN Surfaces”***
E. Kalesaki, L. Lymperakis, J. Kioseoglou, Ph. Komninou and Th. Karakostas
International Workshop on Nitride Semiconductors (IWN 2010), Tampa, USA, September 2010
25. ***“Structural Characteristics and Strain State of Semipolar (11-22) GaN/AlN Quantum Dots”***
G. P. Dimitrakopoulos, E. Kalesaki, J. Kioseoglou, Th. Kehagias, A. Lotsari, L. Lahourcade, E. Monroy, H. Kirmse, W. Neumann, G. Jurczak, T. D. Young, P. Dłuzewski, Ph. Komninou and Th. Karakostas
International Workshop on Nitride Semiconductors (IWN 2010), Tampa, USA, September 2010

26. ***“Optical and Structural Properties of InGaN/GaN Nanostructures Grown in GaN Nanowires”***
F. Furtmayr, Th. Kehagias, G. Dimitrakopoulos, Ph. Komninou, J. Teubert, M. Stutzmann and M. Eickhoff
International Workshop on Nitride Semiconductors (IWN 2010), Tampa, USA, September 2010
27. ***“Plasma-assisted MBE Growth of Semipolar (11-22) InGaN Layers and GaN/InGaN Quantum Dots”***
A. Das, A. Lotsari, S. Magalhaes, P. Sinha, G. P. Dimitrakopoulos, T. Kehagias, P. Komninou, K. Lorenz, E. Alves and E. Monroy
International Workshop on Nitride Semiconductors (IWN 2010), Tampa, USA, September 2010
28. ***“Nucleation, growth and microstructure of hexagonal InN with atomically smooth surface on Si(111)”***
A. O. Ajagunna, Th. Kehagias, T. Koukoulou, K. Tsagaraki, M. Kayambaki, M. Androulidaki, Ph. Komninou, and A. Georgakilas
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
29. ***“Nanoscale mechanisms of misfit accommodation and defect introduction in nonpolar and semipolar III-N heteroepitaxy”***
G. Dimitrakopoulos, J. Smalc-Koziorowska, A. Lotsari, J. Kioseoglou, Th. Kehagias, Th. Karakostas, and Ph. Komninou
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
30. ***“Structure and morphology of InGaN nanodiscs set-in GaN nanorods”***
Th. Kehagias, T. Koukoulou, G. P. Dimitrakopoulos, E. Kalesaki, H. Kirmse, W. Neumann, F. Furtmayr, M. Eickhoff, Th. Karakostas and Ph. Komninou
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
31. ***“Formation of single-crystal semipolar (1011) InN and polar (0001) InN heterostructures on r-plane sapphire”***
A. O. Ajagunna, K. Tsagaraki, A. Lotsari, G. P. Dimitrakopoulos, Th. Kehagias, M. Androulidaki, Ph. Komninou, and A. Georgakilas
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
32. ***“Structure of asymmetric V-defects in semipolar InGaN grown by MBE”***
A. Lotsari, G. P. Dimitrakopoulos, Th. Kehagias, A. Das, E. Monroy, Ph. Komninou
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
33. ***“Polar and Semipolar InGaN Quantum Dots”***
A. Lotsari, T. Koukoulou, Th. Kehagias, A. Das, E. Monroy, G. P. Dimitrakopoulos, Ph. Komninou
4th International Conference “Micro&Nano2010” on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
34. ***“Microstructural evolution and anisotropy in MBE-grown a-plane GaN epilayers on r-plane sapphire”***

- A. Lotsari, G. P. Dimitrakopoulos, Th. Kehagias, M. Katsikini, J. Arvanitidis, D. Christofilos, G. Tsiakatouras, A. Georgakilas, Ph. Komninou
4th International Conference "Micro&Nano2010" on Micro- Nanoelectronics, Nanotechnologies and MEMs, NCSR-Democritos, Athens, Greece, December 2010
35. ***"Indium Segregation Mechanisms in MBE and MOVPE-grown InAlN Epilayers"***
 S.-L. Sahonta, Th. Kehagias, G.P. Dimitrakopoulos, J. Kioseoglou, H. Kirmse, W. Neumann, C. Giesen, M. Heuken, A. Adikimenakis, A. Georgakilas, and Ph. Komninou
 Abstracts of the *MRS 2010 Spring Meeting*, San Francisco, 5-9 April 2010
 36. ***"Indium Incorporation Mechanisms in MOVPE and MBE Grown InAlN Thin Films"***
 Th. Kehagias, G. P. Dimitrakopoulos, J. Kioseoglou, E. Kalesaki, S.-L. Sahonta, H. Kirmse, W. Neumann, C. Giesen, M. Heuken, A. Adikimenakis, A. Georgakilas, and Ph. Komninou
 Abstracts of the *X III International Conference on "Intergranular and Interphase Boundaries in Materials" (iib2010)*, June 27-July 2, 2010, Mie, Japan, p. 179
 37. ***"Interfacial defect sources in the growth of a-plane GaN on sapphire"***
 G. P. Dimitrakopoulos, J. Smalc-Koziorowska, G. Tsiakatouras, and A. Georgakilas
 Abstracts of the *3rd International Symposium on Growth of III-Nitrides (ISGN-3)*, Montpellier, France, July 4-8, 2010
 38. ***"Molecular beam epitaxy of a-plane and s-plane InN films on r-plane sapphire"***
 A. O. Ajagunna, E. Iliopoulos, G. P. Dimitrakopoulos, A. Lotsari, G. Tsiakatouras, K. Tsagaraki, M. Androulidaki, Th. Kehagias, Ph. Komninou, and A. Georgakilas
 Abstracts of the *3rd International Symposium on Growth of III-Nitrides (ISGN-3)*, Montpellier, France, July 4-8, 2010
 39. ***"Study of the Internal Quantum Efficiency of III-nitride Quantum Dots"***
 E. Monroy, A. Das, Z. Gacevic, P. Sinha, J. Tauber, Y. Kotsar, J. Renard, P. K. Kandaswamy, B. Gayral, G. P. Dimitrakopoulos, Th. Kehagias, and Ph. Komninou
 Abstracts of the *3rd International Symposium on Growth of III-Nitrides (ISGN-3)*, Montpellier, France, July 4-8, 2010
 40. ***"Electron energy loss spectroscopy of (In,Ga)N/GaN heterostructure nanowires: influence of strain and composition"***
 H. Kirmse, I. Häusler, W. Neumann, Ph. Komninou, Th. Kehagias, G. P. Dimitrakopoulos, Th. Karakostas, F. Furtmayr, and M. Eickhoff
 Abstracts of the *International Microscopy Congress – IMC17*, 19-24 September 2010, Rio, Brazil
 41. ***"Structural characterization of self-assembled InGaN quantum dot superlattices grown by plasma assisted MBE"***
 T. Koukoura, Th. Kehagias, A. Lotsari, E. Monroy, G. P. Dimitrakopoulos and Ph. Komninou
 Abstracts of the *International Conference on Extended Defects in Semiconductors (EDS2010)*, Brighton, UK, 19-24 September 2010
 42. ***"V-defects in semipolar (11 $\bar{2}$ 2) InGaN"***
 A. Lotsari, G.P. Dimitrakopoulos, Th. Kehagias, E. Monroy, and Ph. Komninou

43. **“Properties of InN films grown on r-plane Al₂O₃ by PAMBE”**
A. O. Ajagunna, E. Iliopoulos, A. Lotsari, G. P. Dimitrakopoulos, G. Tsiakatouras, K. Tsagaraki, M. Androulidaki, Ph. Komninou, and A. Georgakilas
Abstracts of the *19th European Workshop on Heterostructure Technology (HETECH2010)*, Fodele, Crete, 18-20 October 2010
44. **“Effect of the annealing on the nanomechanical properties and structure of P3HT:fullerene (PCBM) thin films”**
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis and S. Logothetidis
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
45. **“Growth mechanisms, opto-electronic and nanomechanical properties of Al-doped ZnO thin films grown by different techniques”**
C. Koidis, P. G. Karagiannidis, S. Kassavetis, S. Logothetidis, N. A. Hastas, K. Breza, N. Frangis and O. Valassiades
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
46. **“Biological Evaluation of Nanocoatings: Analysis of Cytotoxicity and Proliferation”**
P. Kavatzikidou, S. Kassavetis, S. Logothetidis, E. Pavlidou, P. Patsalas
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
47. **“Nanomechanical, structural and optical characterization of micro & nano phase separated P3HT:PCBM blends for organic photovoltaics”**
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis, D. Georgiou, A. Laskarakis and S. Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
48. **“Cardiovascular Therapies by Stents based on Nanostructured Biomaterials”**
V. Karagkiozaki, P. Karagiannidis, N.Kalfagiannis, P. Patsalas, E. Diamanti, D. Gournis, G.Giannoglou, S.Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
49. **“Nanomechanical properties of high barrier thin films”**
S. Kassavetis, S Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
50. **“Commercialization of academic research in Nanotechnology”**
M. Chachamidou, S. Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
51. **“Remote Scanning Probe Microscopy for Nano-education”**
M. Chatzidis, S. Kassavetis, I. Zyganitidis and S. Logothetidis

7th International Conference on Nanosciences & Nanotechnologies- NN10,
(Χαλκιδική, Ελλάδα, 11-14.07.2010)

52. ***“The unveiling of Nanoscale Imaging for Human Blood Cells probing”***
V. Karagkiozaki, S. Logothetidis, E. Verrou, K. Zervas.
7th International Conference on Nanosciences & Nanotechnologies- NN10,
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
53. ***“Optical investigation of thickness and optical properties of flexible substrates, electrodes & barrier materials”***
D. Georgiou, N. Kalfagiannis, C. Koidis, A. Laskarakis, M. Chatzidis, S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
54. ***“Nanomechanical properties, morphology and structure of thermal annealed P3HT:PCBM thin films”***
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis and S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
55. ***“Effect of annealing in the optical, surface and structural properties of P3HT & PCBM thin films”***
D. Georgiou, P. Karagiannidis, C. Pitsalidis, A. Laskarakis, S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
56. ***“Surface Morphology and Optical Properties of α -quaterthiophene Thin Films Deposited by Thermal Evaporation”***
C. Pitsalidis, P. Karagiannidis, C. Koidis, A. Laskarakis, S. Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10,
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
57. ***“On the optimization of gravure printed PEDOT:PSS thin films”***
C. Koidis, P. G. Karagiannidis, A. Ioakimidis, S. Kassavetis, N. A. Hastas, A. Laskarakis, and S. Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10,
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
58. ***“Optical, surface, electrical, and nanomechanical properties of roll-to-roll gravure printed PEDOT:PSS thin films”***
C. Koidis, C. Kapnopoulos, P. G. Karagiannidis, M. Chatzidis, S. Kassavetis, N. A. Hastas, A. Laskarakis, and S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
59. ***“Optical and vibrational properties of pentacene: polymorph identification and impurity effects”***
G. Volonakis, L. Tsetseris, and S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
60. ***“Thematic Research Network - NANONET”***
S. Logothetidis

7th International Conference on Nanosciences & Nanotechnologies- NN10,
(Χαλκιδική, Ελλάδα, 11-14.07.2010)

61. **“Transmission Electron Microscopy study of P3HT:PCBM active layer in organic solar cells”**
K. Breza, N. Vouroutzis, N. Frangis, P. Karagiannidis, S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09)
(Χαλκιδική, Ελλάδα, 11-14.07.2010)
62. **“Nanobiotechnology and Nanomedicine”**
S. Logothetidis
8th Southeast European Congress on Xenobiotic Metabolism and Toxicity (XEMET 2010) 1-5 October 2010
63. **“Structural Characterization of Nano-crystalline Mg₂Si Prepared by Ball Milling”**
K. Ioannou, E. Hatzikraniotis, Ch. B. Lioutas, K. M. Paraskevopoulos, and Th. Kyratsi
CIMTEC 2010 -12th International Conference on Modern Materials and Technologies Montecatini Terme, Tuscany, Italy, on June 6 to 18, 2010
5th Forum on New Materials, Symposium FE, Advances in Materials and Technologies for Efficient Direct Thermal-to-Electrical Energy Conversion
64. **“TEM studies in K₂Bi₈Se₁₃ nano-composites prepared by Ball Milling”**
M. Ioannou, E. Hatzikraniotis, K. Chrissafis, Ch. B. Lioutas, D.Y. Chung, K.M. Paraskevopoulos and Th. Kyratsi
7th International Conference on Nanosciences & Nanotechnologies (NN10), 11-14 July 2010, Halkidiki, Greece.
65. **“Chitosan/Chitosan-Gelatine Composite Ceramics' degradation during human PDLF cell culture”**
A. Theocharidou, C. Tsiptsias, E. Kontonasaki, A. Sivropoulou, C. Panayiotou, K.M. Paraskevopoulos, and P. Koidis
Proceedings of the International Association for Dental Research, General Session, Barcelona Spain July 14-17, 2010 Nr S3908, 207
66. **“Influence of heat-treatment on the surface microstructure of zirconia ceramics”**
A. Vatali, E. Siarambi, E. Kontonasaki, N. Kantiranis, L. Papadopoulou, T. Zorba, N. Vouroutzis, K.M. Paraskevopoulos, P. Koidis
Proceedings of the International Association for Dental Research, General Session, Barcelona Spain July 14-17, 2010 Nr S4529, 228
67. **“Effect of ageing on the strength of yttrium-stabilized zirconia ceramics”**
E. Siarambi, E. Kontonasaki, N. Kantiranis, L. Papadopoulou, T. Zorba, A. Vatali, N. Vouroutzis, K. Paraskevopoulos, P. Koidis
Proceedings of the International Association for Dental Research, General Session, Barcelona Spain July 14-17, 2010 Nr S4516, 227
68. **“Investigation of the in vitro Bioactivity and Flexural Strength of sol-gel derived Dental Ceramics”**
O.M. Goudouri, E. Kontonasaki, L. Papadopoulou, N. Kantiranis, X. Chatzistavrou, P. Koidis, K.M. Paraskevopoulos
23rd European Conference on Biomaterials (ESB) (September 11-15, 2010 Tampere, Finland) nr.233.3929

69. ***“Thermoluminescence as an experimental tool towards the characterization of bioactive materials: The case of 58S bioactive glass”***
D. Afouxenidis, G. S. Polymeris, O.M. Goudouri, E. Kontonasaki, X. Chatzistavrou, N. C. Tsirliganis, K.M. Paraskevopoulos, G. Kitis
23rd European Conference on Biomaterials (ESB) (September 11-15, 2010 Tampere, Finland) nr.337.2017
70. ***“Reactive deposition epitaxy growth of iron silicide nanoparticles on Si(001)”***
G. Molnár, L. Dózsa, Z. Vértesy, A. A. Koós, N. Vouroutzis, C. A. Dimitriadis, K. M. Paraskevopoulos
E MRS 2010 Fall meeting, Symposium: C Materials, Devices and Economics Issues for Tomorrow’s Photovoltaics, September 13 -16, 2010
71. ***“Preparation of Mg₂Si Thin Films for Thermoelectric Applications”***
M. Angelakeris, G. Vourlias, E. Hatzikraniotis, A. Siozos, P. Patsalas, K.M. Paraskevopoulos
Proceedings of the 8th European Conference on Thermoelectrics (ECT 2010) Como, Italy, September 22-24, 2010, p. 258
72. ***“Pigments and painting techniques in Abel Monastery Church, a representative monument, inscribed by famous Chioniadēs iconographers”***
V. Ganitis, E.C. Stefanaki, T. Zorba, E. Pavlidou, K.M. Paraskevopoulos
Proceedings of the IIC Congress 2010: Conservation and the Eastern Mediterranean, Istanbul, September 20 – 24, 2010, p. 268
73. ***“Thermal behavior of freshwater cultured pearls”***
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1. “Synthesis, Characterization and Magnetic Hyperthermia Features of Iron Oxide Nanoparticles for Biomedical Applications”

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15. **“Νανοτεχνολογία και Εφαρμογές”**
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17. **“Incorporation of excess Boron in TiB₂ thin films: A combined experimental and ab initio study”**
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19. **“Η συνδυασμένη χρήση της φασματοσκοπίας Υπερύθρου και μικροαναλυτή ακτίνων X στη μελέτη των υλικών και των τεχνικών κατασκευής τοιχογραφιών και φορητών εικόνων” (ΠΡΟΣΚΕΚΛΗΜΕΝΗ ΟΜΙΛΙΑ)**
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21. ***“Studying bioactive materials by applying Thermoluminescence”***
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22. ***“Far Infrared Spectra of the AsS₂ and AgAsS₂ bulk glasses”***
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24. ***“Synthesis of a novel sol-gel derived bioactive dental ceramic composite: Study of its mechanical and biological properties”***
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25. ***“Study of the Bioactive Hydroxyapatite/SiO₂-CaO-MgO System Part I: Different Forms of Hydroxyapatite (Hap)”***
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27. ***“Characterization of the oxide scales formed on AISI D6 tool steel exposed in high temperature aggressive environments”***
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28. ***“Mg₂Si Thin Films Prepared by Dual Cathode Magnetron Sputtering”***
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29. **“Study of Materials and Painting Techniques Chioniades Painters in Abel Monastery (18th, Epirus, Greece)”**
E.C. Stefanaki, V. Ganitis, T. Zorba, E. Pavlidou, K.M. Paraskevopoulos
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31. **“Firing temperature of pottery and dating of wall-paintings; two promising potential luminescence applications of archaeological interest”**
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33. **“Sublimation epitaxy of cubic silicon carbide in vacuum”**
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