

Publications in Journals:

1989

- 1) *"The Use Of Vacuum Evaporation For Production Of The Cu₂S Absorber Layer In Thin Film CdS Solar Cells"*,
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- 2) *"Evaporated Cu_xS Layers For All-Vacuum Evaporated Cu_xS/CdS Solar Cells"*,
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- 3) *"The Use Of Low Temperature Chemiplating For Fabricating Cu_xS/CdS Solar Cells"*,
E. Aperathitis, F.J. Bryant and C.G. Scott,
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- 4) *"Asymmetric Fabry-Perot p-i-n Multiple Quantum Well Optical Modulators Grown On GaAs And Silicon Substrates"*,
A. Dimoulas, K. Zekentes, E. Aperathitis, A.Georgakilas, J. Leng, P. Panayotatos and A. Christou,
Superlattices and Microstructures 12 (1992) 145-149, DOI: 10.1016/0749-6036(92)90325-Y.

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- 5) *"Heterojunction Diodes nGaAs/pSi With Ideal Characteristics"*,
E. Aperathitis, M. Kayiambaki, V. Foukaraki, G. Halkias, P. Panayotatos and A. Georgakilas,
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- 6) *"Investigation of p-i-n Solar Cell Efficiency Enhancement by Use of MQW Structures in the i-region"*,
C.G. Scott, D.E. Ashenford, A.W. Dweydari, D. Sands, M. Yousaf, E. Aperathitis, Z. Hatzopoulos and P. Panayotatos,
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- 7) *"Silicon Substrates Optimization For Microwave Applications of GaAs/Si MESFETs"*,
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- 8) *"RF Sputtered Indium-Tin-Oxide As Antireflective Coating For GaAs Solar Cells"*,
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- 9) *"Investigation of the GaAs/Si Heterojunction Band Lineup With Capacitance and Current versus Voltage Measurements"*,

A. Georgakilas, E. Aperathitis, V. Foukaraki, M.Kayambaki and P. Panayotatos, *Materials Science & Engineering* B44 (1997) 383-386, DOI: 10.1016/S0921-5107(96)01756-4.

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- 10) *"Effect of Temperature on Multiple Quantum Wells GaAs/AlGaAs Solar Cells"*,
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- 11) *"Direct MBE Growth of GaN on GaAs Substrates for Integrated Short Wavelength Emitters"*,
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- 13) *"Evaluation of Reactive Ion Etching Processes for Fabrication of Integrated GaAs/AlGaAs Optoelectronic Devices"*,
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- 14) *"Electrical Characterization of GaAs p/i/n Devices For Photovoltaic Applications"*,
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- 17) *"Molecular Beam Epitaxy of GaAs/AlGaAs Epitaxial Structures for Integrated Optoelectronic Devices on Si using GaAs-Si Wafer Bonding"*,

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- 19) “*Wafer-scale Integration of GaAs Optoelectronic Devices with standard Si Integrated Circuits using a Low-Temperature Bonding Procedure*”
A. Georgakilas, G. Deligeorgis, E. Aperathitis, D. Cengher, Z. Hatzopoulos, M. Alexe, V. Dragoi, U. Gosele, E.D. Kyriakis-Bitzaros and G. Halkias,
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- 28) "*Optical emission spectroscopy during fabrication of indium-tin-oxynitride films by rf-sputtering*",
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- 29) "*Pulsed mode operation of strained micro-electromechanical resonators in air*",
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 Thin Solid Films 515 (2007) 8624-8631, DOI: 10.1016/j.tsf.2007.03.103.

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E. Gagaoudakis, E. Aperathitis, G. Michail and G. Kiriakidis

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