

E.Aperathitis

Publications in Peer Reviewed Journals:

1989

- 1) *"The Use Of Vacuum Evaporation For Production Of The Cu₂S Absorber Layer In Thin Film CdS Solar Cells"*,
E. Aperathitis and C.G. Scott,
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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"*,
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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,
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- 5) *"Heterojunction Diodes nGaAs/pSi With Ideal Characteristics"*,
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- 6) *"Investigation of p-i-n Solar Cell Efficiency Enhancement by Use of MQW Structures in the i-region"*,
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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*",
A. Georgakilas, K. Tsagaraki, E. Makarona, G. Constantinidis, , M. Androulidaki, M.Kayambaki, E. Aperathitis, and N.T. Pelekanos,
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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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- 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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- 23) “*Properties of rf-sputtered Indium-Tin-Oxynitride thin films*”
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