

ΔΗΜΟΣΙΕΥΣΕΙΣ ΜΕΛΩΝ ΔΕΠ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ ΠΕΡΙΟΔΟΣ 2002-2007

Στη συνέχεια παραθετούμε τις δημοσιεύσεις όλων των μελών ΔΕΠ του Τμήματος Φυσικής σε διεθνή επιστημονικά περιοδικά με κριτές κατά τα 5 τελευταία ημερολογιακά έτη (2002 - 2007). Τα στοιχεία συλλέχθηκαν από τη βάση δεδομένων του ISI Web of Science.

Κατά την παραπάνω 6-ετή περίοδο τα μέλη ΔΕΠ του Τμήματος δημοσίευσαν 679 εργασίες σε διεθνή περιοδικά με κριτές. Το Τμήμα είχε 34 μέλη ΔΕΠ εκ των οποίων 31 ήταν μέλη ΔΕΠ καθόλη την περίοδο ενώ 2 ήταν μέλη για 4 έτη, 1 για 3 έτη και 1 για 5 έτη. Κατά συνέπεια ο αριθμός των δημοσιεύσεων ανά μέλος ΔΕΠ ανά έτος αντιστοιχεί σε 3.4 εργασίες.

Αθανασίου Γρηγόριος, Επίκουρος Καθηγητής
Δημοσιεύσεις 2002-2007. Σύνολο: 0

Βαρδαβάς Ηλίας, Αναπληρωτής Καθηγητής
Δημοσιεύσεις 2002-2007. Σύνολο: 17

1. Title: [Seasonal heat budgets of the Red and Black seas](#)
Author(s): Matsoukas C, Banks AC, Pavlakis KG, et al.
Source: **JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS** Volume: **112** Issue: **C10** Article Number: **C10017** Published: **OCT 19 2007**
2. Title: [Modelling the direct effect of aerosols in the solar near-infrared on a planetary scale](#)
Author(s): Hatzianastassiou N, Matsoukas C, Fotiadi A, et al.
Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **7** Issue: **12** Pages: **3211-3229** Published: **2007**
3. Title: [The direct effect of aerosols on solar radiation based on satellite observations, reanalysis datasets, and spectral aerosol optical properties from Global Aerosol Data Set \(GADS\)](#)
Author(s): Hatzianastassiou N, Matsoukas C, Drakakis E, et al.
Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **7** Issue: **10** Pages: **2585-2599** Published: **2007**
4. Title: [ENSO surface longwave radiation forcing over the tropical Pacific](#)
Author(s): Pavlakis KG, Hatzidimitriou D, Drakakis E, et al.
Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **7** Issue: **8** Pages: **2013-2026** Published: **2007**
5. Title: [Dust transport over the eastern Mediterranean derived from Total Ozone Mapping Spectrometer, Aerosol Robotic Network, and surface measurements](#)
Author(s): Kalivitis N, Gerasopoulos E, Vrekoussis M, et al.
Source: **JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES** Volume: **112** Issue: **D3** Article Number: **D03202** Published: **FEB 7 2007**
6. Title: [Spatial and temporal distribution of long-term short-wave surface radiation over Greece](#)
Author(s): Fotiadi A, Hatzianastassiou N, Stackhouse PW, et al.
Source: **QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY** Volume: **132** Issue: **621** Pages: **2693-2718** Part: **Part B** Published: **OCT 2006**
7. Title: [Aerosol physical and optical properties in the Eastern Mediterranean Basin, Crete, from Aerosol Robotic Network data](#)
Author(s): Fotiadi A, Hatzianastassiou N, Drakakis E, et al.
Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **6** Pages: **5399-5413** Published: **DEC 4 2006**

8. Title: [Seasonal heat budget of the Mediterranean Sea](#)
 Author(s): Matsoukas C, Banks AC, Hatzianastassiou N, et al.
 Source: **JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS** Volume: **110** Issue: **C12** Article Number: **C12008** Published: **DEC 9 2005**
9. Title: [Global distribution of Earth's surface shortwave radiation budget](#)
 Author(s): Hatzianastassiou N, Matsoukas C, Fotiadi A, et al.
 Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **5** Pages: **2847-2867** Published: **NOV 1 2005**
10. Title: [Analysis of the decrease in the tropical mean outgoing shortwave radiation at the top of atmosphere for the period 1984-2000](#)
 Author(s): Fotiadi A, Hatzianastassiou N, Matsoukas C, et al.
 Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **5** Pages: **1721-1730** Published: **JUL 11 2005**
11. Title: [Absolute absorption cross-section measurements of CO₂ in the ultraviolet from 200 to 206 nm at 295 and 373 K](#)
 Author(s): Karaïskou A, Vallance C, Papadakis V, et al.
 Source: **CHEMICAL PHYSICS LETTERS** Volume: **400** Issue: **1-3** Pages: **30-34** Published: **DEC 11 2004**
12. Title: [Ten year radiation budget of the earth: 1984-93](#)
 Author(s): Hatzianastassiou N, Matsoukas C, Hatzidimitriou D, et al.
 Source: **INTERNATIONAL JOURNAL OF CLIMATOLOGY** Volume: **24** Issue: **14** Pages: **1785-1802** Published: **NOV 30 2004**
13. Title: [Sensitivity analysis of aerosol direct radiative forcing in ultraviolet-visible wavelengths and consequences for the heat budget](#)
 Author(s): Hatzianastassiou N, Katsoulis B, Vardavas I
 Source: **TELLUS SERIES B-CHEMICAL AND PHYSICAL METEOROLOGY** Volume: **56** Issue: **4** Pages: **368-381** Published: **SEP 2004**
14. Title: [On the decadal increase in the tropical mean outgoing longwave radiation for the period 1984-2000](#)
 Author(s): Hatzidimitriou D, Vardavas I, Pavlakis KG, et al.
 Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **4** Pages: **1419-1425** Published: **AUG 27 2004**
15. Title: [Long-term global distribution of Earth's shortwave radiation budget at the top of atmosphere](#)
 Author(s): Hatzianastassiou N, Fotiadi A, Matsoukas C, et al.
 Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **4** Pages: **1217-1235** Published: **AUG 3 2004**
16. Title: [Global distribution of aerosol direct radiative forcing in the ultraviolet and visible arising under clear skies](#)
 Author(s): Hatzianastassiou N, Katsoulis B, Vardavas I
 Source: **TELLUS SERIES B-CHEMICAL AND PHYSICAL METEOROLOGY** Volume: **56** Issue: **1** Pages: **51-71** Published: **FEB 2004**
17. Title: [Ten-year global distribution of downwelling longwave radiation](#)
 Author(s): Pavlakis KG, Hatzidimitriou D, Matsoukas C, et al.
 Source: **ATMOSPHERIC CHEMISTRY AND PHYSICS** Volume: **4** Pages: **127-142** Published: **JAN 30 2004**

Βεντούρα Ιωσήφ, Ομότιμος Καθηγητής από 2006
 Δημοσιεύσεις 2002-2007. Σύνολο: 2

18. Title: [Optical supernova remnant observations from Skinakas Observatory](#)
 Author(s): Mavromatakis F, Papamastorakis J, Ventura J, et al.
 Source: **HIGH-ENERGY STUDIES OF SUPERNOVA REMNANTS AND NEUTRON STARS** Volume: **33** Issue: **4** Pages: **480-483** Published: **2004**
19. Title: [Deep optical observations of G 65.3+5.7](#)

Author(s): Mavromatakis F, Boumis P, Papamastorakis J, et al.
Source: **ASTRONOMY & ASTROPHYSICS** Volume: **388** Issue: **1** Pages: **355-362**
Published: **JUN 2002**

Γεωργακίλας Αλέξανδρος, Αναπληρωτής Καθηγητής
Δημοσιεύσεις 2002-2007. Σύνολο: 64

20. Title: [Femtosecond carrier dynamics of In_xGa_{1-x}N thin films grown on GaN \(0001\): Effect of carrier-defect scattering](#)
Author(s): Lioudakis E, Othonos A, Iliopoulos E, et al.
Source: **JOURNAL OF APPLIED PHYSICS** Volume: **102** Issue: **7** Article Number: **073104** Published: **OCT 1 2007**
21. Title: [Optimization and performance of Al₂O₃/GaN metal-oxide-semiconductor structures](#)
Author(s): Cico K, Kuzmik J, Gregusova D, et al.
Source: **MICROELECTRONICS RELIABILITY** Volume: **47** Issue: **4-5** Pages: **790-793** Published: **APR-MAY 2007**
22. Title: [Role of conduction-band filling in the dependence of InN photoluminescence on hydrostatic pressure](#)
Author(s): Kaminska A, Franssen G, Suski T, et al.
Source: **PHYSICAL REVIEW B** Volume: **76** Issue: **7** Article Number: **075203** Published: **AUG 2007**
23. Title: [Analysis of biaxial strain in InN\(0001\) epilayers grown by molecular beam epitaxy](#)
Author(s): Dimakis E, Domagala J, Iliopoulos E, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: **204** Issue: **6** Pages: **1996-1999** Published: **JUN 2007**
24. Title: [Gate-lag and drain-lag effects in \(GaN\)/InAlN/GaN and InAlN/AlN/GaN HEMTs](#)
Author(s): Kuzmik J, Carlin JF, Gonschorek M, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: **204** Issue: **6** Pages: **2019-2022** Published: **JUN 2007**
25. Title: [AlGaN/GaN high electron mobility transistor sensor sensitive to ammonium ions](#)
Author(s): Alifragis Y, Volosirakis A, Chaniotakis NA, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: **204** Issue: **6** Pages: **2059-2063** Published: **JUN 2007**
26. Title: [Potassium selective chemically modified field effect transistors based on AlGaIn/GaN two-dimensional electron gas heterostructures](#)
Author(s): Alifragis Y, Volosirakis A, Chaniotakis NA, et al.
Source: **BIOSENSORS & BIOELECTRONICS** Volume: **22** Issue: **12** Special Issue: **Sp. Iss. SI** Pages: **2796-2801** Published: **JUN 15 2007**
27. Title: [Growth optimization of an electron confining InN/GaN quantum well heterostructure](#)
Author(s): Dimakis E, Iliopoulos E, Kayambaki M, et al.
Source: **JOURNAL OF ELECTRONIC MATERIALS** Volume: **36** Issue: **4** Pages: **373-378** Published: **APR 2007**
28. Title: [Temporal evolution of effects of ultrafast carrier dynamics in In_{0.33}Ga_{0.67}N: above and near the bandgap](#)
Author(s): Lioudakis E, Iliopoulos E, Georgakilas A, et al.
Source: **SEMICONDUCTOR SCIENCE AND TECHNOLOGY** Volume: **22** Issue: **2** Pages: **158-162** Published: **FEB 2007**
29. Title: [Strain nonuniformity in GaAs heteroepitaxial films on Si\(001\) studied by x-ray diffraction](#)

- Author(s): Shalimov A, Bak-Misiuk J, Kaganer VM, et al.
Source: **JOURNAL OF APPLIED PHYSICS** Volume: **101** Issue: **1** Article Number: **013517** Published: **JAN 1 2007**
30. Title: [Structural properties of 10 \$\mu\$ m thick InN grown on sapphire \(0001\)](#)
Author(s): Dimakis E, Domagala JZ, Delimitis A, et al.
Source: **SUPERLATTICES AND MICROSTRUCTURES** Volume: **40** Issue: **4-6**
Pages: **246-252** Published: **OCT-DEC 2006**
31. Title: [Properties of Si-doped GaN and AlGaN/GaN heterostructures grown by RF-MBE on high resistivity Fe-doped GaN](#)
Author(s): Iliopoulos E, Zervos M, Adikimenakis A, et al.
Source: **SUPERLATTICES AND MICROSTRUCTURES** Volume: **40** Issue: **4-6**
Pages: **313-319** Published: **OCT-DEC 2006**
32. Title: [GaN micromachined FBAR structures for microwave applications](#)
Author(s): Muller A, Neculoiu D, Vasilache D, et al.
Source: **SUPERLATTICES AND MICROSTRUCTURES** Volume: **40** Issue: **4-6**
Pages: **426-431** Published: **OCT-DEC 2006**
33. Title: [Depth profile of the biaxial strain in a 10 \$\mu\$ m thick InN \(0001\) film](#)
Author(s): Arvanitidis J, Christofilos D, Kourouklis GA, et al.
Source: **JOURNAL OF APPLIED PHYSICS** Volume: **100** Issue: **11** Article Number: **113516** Published: **DEC 1 2006**
34. Title: [Femtosecond time-resolved study in In_xGa_{1-x}N \(0001\) ultrathin epilayers: Effects of high indium mole fraction and thickness of the films](#)
Author(s): Lioudakis E, Othonos A, Dimakis E, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **89** Issue: **24** Article Number: **241109** Published: **DEC 11 2006**
35. Title: [Structural properties of quaternary InAlGa_n MQW grown by plasma-assisted MBE](#)
Author(s): Dimitrakopoulos GP, Kioseoglou J, Dimakis E, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: **203** Issue: **9** Pages: **2151-2155** Published: **JUL 2006**
36. Title: [Raman and transmission electron microscopy characterization of InN samples grown on GaN/Al₂O₃ by molecular beam epitaxy](#)
Author(s): Arvanitidis J, Katsikini M, Ves S, et al.
Source: **PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS** Volume: **243** Issue: **7** Pages: **1588-1593** Published: **JUN 2006**
37. Title: [Resonant Raman characterization of InAlGa_n/GaN heterostructures](#)
Author(s): Cros A, Cantarero A, Pelekanos NT, et al.
Source: **PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS** Volume: **243** Issue: **7** Pages: **1674-1678** Published: **JUN 2006**
38. Title: [Self-regulating mechanism of InN growth on GaN\(0001\) by molecular beam epitaxy; from nanostructures to films](#)
Author(s): Dimakis E, Iliopoulos E, Tsagaraki K, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE** Volume: **203** Issue: **7** Pages: **1686-1690** Published: **MAY 2006**
39. Title: [Biaxial strain and lattice constants of InN \(0001\) films grown by plasma-assisted molecular beam epitaxy](#)
Author(s): Dimakis E, Iliopoulos E, Tsagaraki K, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **88** Issue: **19** Article Number: **191918** Published: **MAY 8 2006**
40. Title: [Ultrafast carrier dynamics in In_xGa_{1-x}N \(0001\) epilayers: Effects of high fluence excitation](#)
Author(s): Lioudakis E, Othonos A, Dimakis E, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **88** Issue: **12** Article Number: **121128** Published: **MAR 20 2006**
41. Title: [InAlN/GaN HEMTs: A first insight into technological optimization](#)
Author(s): Kuzmik J, Kostopoulos A, Konstantinidis G, et al.
Source: **IEEE TRANSACTIONS ON ELECTRON DEVICES** Volume: **53** Issue: **3**

- Pages: **422-426** Published: **MAR 2006**
42. Title: [InGaN\(0001\) alloys grown in the entire composition range by plasma assisted molecular beam epitaxy](#)
Author(s): Iliopoulos E, Georgakilas A, Dimakis E, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE**
Volume: **203** Issue: **1** Pages: **102-105** Published: **JAN 2006**
 43. Title: [Structural and optical characterisation of thick InN epilayers grown with a single or two step growth process on GaN\(0001\)](#)
Author(s): Delimitis A, Gladkov P, Komninou P, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE**
Volume: **203** Issue: **1** Pages: **162-166** Published: **JAN 2006**
 44. Title: [Response to anions of AlGaIn/GaN high-electron-mobility transistors](#)
Author(s): Alifragis Y, Georgakilas A, Konstantinidis G, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **87** Issue: **25** Article Number: **253507** Published: **DEC 19 2005**
 45. Title: [Micro-Raman characterization of In_xGa_{1-x}N/GaN/Al₂O₃ heterostructures](#)
Author(s): Kontos AG, Raptis YS, Pelekanos NT, et al.
Source: **PHYSICAL REVIEW B** Volume: **72** Issue: **15** Article Number: **155336**
Published: **OCT 2005**
 46. Title: [Temperature dependence of GaN Schottky diodes I-V characteristics](#)
Author(s): Osvald J, Kuzmik J, Konstantinidis G, et al.
Source: **MICROELECTRONIC ENGINEERING** Volume: **81** Issue: **2-4** Pages: **181-187** Published: **AUG 2005**
 47. Title: [Heteroepitaxial growth of In-face InN on GaN \(0001\) by plasma-assisted molecular-beam epitaxy](#)
Author(s): Dimakis E, Iliopoulos E, Tsagaraki K, et al.
Source: **JOURNAL OF APPLIED PHYSICS** Volume: **97** Issue: **11** Article Number: **113520** Published: **JUN 1 2005**
 48. Title: [GaN-based anion selective sensor: Probing the origin of the induced electrochemical potential](#)
Author(s): Chaniotakis NA, Alifragis Y, Georgakilas A, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **86** Issue: **16** Article Number: **164103** Published: **APR 18 2005**
 49. Title: [Misfit accommodation of compact and columnar InN epilayers grown on Ga-face GaN \(0001\) by molecular-beam epitaxy](#)
Author(s): Kehagias T, Delimitis A, Komninou P, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **86** Issue: **15** Article Number: **151905** Published: **APR 11 2005**
 50. Title: [Correlation between nucleation, morphology and residual strain of InN grown on Ga-face GaN \(0001\)](#)
Author(s): Dimakis E, Tsagaraki K, Iliopoulos E, et al.
Source: **JOURNAL OF CRYSTAL GROWTH** Volume: **278** Issue: **1-4** Pages: **367-372** Published: **MAY 1 2005**
 51. Title: [Active nitrogen species dependence on radiofrequency plasma source operating parameters and their role in GaN growth](#)
Author(s): Iliopoulos E, Adikimenakis A, Dimakis E, et al.
Source: **JOURNAL OF CRYSTAL GROWTH** Volume: **278** Issue: **1-4** Pages: **426-430** Published: **MAY 1 2005**
 52. Title: [Interfacial structure of MBE grown InN on GaN](#)
Author(s): Kehagias T, Iliopoulos E, Delimitis A, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE**
Volume: **202** Issue: **5** Pages: **777-780** Published: **APR 2005**
 53. Title: [Physical model of InN growth on Ga-face GaN \(0001\) by molecular-beam epitaxy](#)
Author(s): Dimakis E, Iliopoulos E, Tsagaraki K, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **86** Issue: **13** Article Number: **133104** Published: **MAR 28 2005**

54. Title: [Anion selective potentiometric sensor based on gallium nitride crystalline membrane](#)
Author(s): Alifragis Y, Konstantinidis G, Georgakilas A, et al.
Source: **ELECTROANALYSIS** Volume: **17** Issue: **5-6** Pages: **527-531**
Published: **MAR 2005**
55. Title: [The role of nucleation temperature in In-face InN-on-GaN\(0001\) growth by plasma-assisted molecular beam epitaxy](#)
Author(s): Dimakis E, Konstantinidis G, Tsagaraki K, et al.
Source: **SUPERLATTICES AND MICROSTRUCTURES** Volume: **36** Issue: **4-6**
Pages: **497-507** Published: **OCT-DEC 2004**
56. Title: [Microstructural assessment of InN-on-GaN films grown by plasma-assisted MBE](#)
Author(s): Komninou P, Kehagias T, Delimitis A, et al.
Source: **SUPERLATTICES AND MICROSTRUCTURES** Volume: **36** Issue: **4-6**
Pages: **509-515** Published: **OCT-DEC 2004**
57. Title: [ZrO₂/\(Al\)GaN metal-oxide-semiconductor structures: characterization and application](#)
Author(s): Kuzmik J, Konstantinidis G, Harasek S, et al.
Source: **SEMICONDUCTOR SCIENCE AND TECHNOLOGY** Volume: **19** Issue: **12**
Pages: **1364-1368** Published: **DEC 2004**
58. Title: [Processing of bistranded abasic DNA clusters in gamma-irradiated human hematopoietic cells](#)
Author(s): Georgakilas AG, Bennett PV, Wilson DM, et al.
Source: **NUCLEIC ACIDS RESEARCH** Volume: **32** Issue: **18** Pages: **5609-5620**
Published: **2004**
59. Title: [Gallium nitride-based potentiometric anion sensor](#)
Author(s): Chaniotakis NA, Alifragis Y, Konstantinidis G, et al.
Source: **ANALYTICAL CHEMISTRY** Volume: **76** Issue: **18** Pages: **5552-5556**
Published: **SEP 15 2004**
60. Title: [Quantifying clustered DNA damage induction and repair by gel electrophoresis, electronic imaging and number average length analysis](#)
Author(s): Sutherland BM, Georgakilas AG, Bennett PV, et al.
Source: **MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS** Volume: **531** Issue: **1-2** Pages: **93-107** Published: **OCT 29 2003**
61. Title: [Field-compensated quaternary InAlGaN/GaN quantum wells](#)
Author(s): Kalaitzakis F, Androulidaki M, Pelekanos NT, et al.
Source: **PHYSICA STATUS SOLIDI B-BASIC RESEARCH** Volume: **240** Issue: **2**
Pages: **301-304** Published: **NOV 2003**
62. Title: [Microstructure of GaN layers grown onto \(001\) and \(111\)GaAs substrates by molecular beam epitaxy](#)
Author(s): Toth L, Pecz B, Czigany Z, et al.
Source: **SILICON CARBIDE AND RELATED MATERIALS - 2002** Volume: **433-4**
Pages: **999-1002** Published: **2002**
63. Title: [Wavelet analysis of umbral oscillations](#)
Author(s): Christopoulou EB, Skodras A, Georgakilas AA, et al.
Source: **ASTROPHYSICAL JOURNAL** Volume: **591** Issue: **1** Pages: **416-431**
Part: **Part 1** Published: **JUL 1 2003**
64. Title: [Chromospheric Evershed flow](#)
Author(s): Georgakilas AA, Christopoulou EB, Skodras A, et al.
Source: **ASTRONOMY & ASTROPHYSICS** Volume: **403** Issue: **3** Pages: **1123-1133** Published: **JUN 2003**
65. Title: [Plasma-assisted MBE growth of quaternary InAlGaN quantum well heterostructures with room temperature luminescence](#)
Author(s): Dimakis E, Georgakilas A, Androulidaki M, et al.
Source: **JOURNAL OF CRYSTAL GROWTH** Volume: **251** Issue: **1-4** Pages: **476-480** Published: **APR 2003**

66. Title: [Fabrication of GaAs laser diodes on Si using low-temperature bonding of MBE-grown GaAs wafers with Si wafers](#)
Author(s): Cengher D, Hatzopoulos Z, Gallis S, et al.
Source: **JOURNAL OF CRYSTAL GROWTH** Volume: **251** Issue: **1-4** Pages: **754-759** Published: **APR 2003**
67. Title: [Evaluation of number average length analysis in quantifying double strand breaks in genomic DNAs](#)
Author(s): Sutherland BM, Bennett PV, Georgakilas AG, et al.
Source: **BIOCHEMISTRY** Volume: **42** Issue: **11** Pages: **3375-3384** Published: **MAR 25 2003**
68. Title: [The Evershed flow from simultaneous chromospheric and photospheric observations](#)
Author(s): Christopoulou EB, Georgakilas AA, Kouthmy S
Source: **NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA C-GEOPHYSICS AND SPACE PHYSICS** Volume: **25** Issue: **5-6** Pages: **587-593** Published: **SEP-DEC 2002**
69. Title: [Oscillations and waves related to sunspots](#)
Author(s): Georgakilas AA, Christopoulou EB, Koutchmy S
Source: **NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA C-GEOPHYSICS AND SPACE PHYSICS** Volume: **25** Issue: **5-6** Pages: **601-608** Published: **SEP-DEC 2002**
70. Title: [Evaluation of a method for the resolution improvement of near-limb solar images](#)
Author(s): Christipoulou EB, Georgakilas AA, Koutchmy S
Source: **NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA C-GEOPHYSICS AND SPACE PHYSICS** Volume: **25** Issue: **5-6** Pages: **631-637** Published: **SEP-DEC 2002**
71. Title: [Temporal behavior of the Evershed effect](#)
Author(s): Georgakilas AA, Christopoulou EB
Source: **ASTROPHYSICAL JOURNAL** Volume: **584** Issue: **1** Pages: **509-523**
Part: **Part 1** Published: **FEB 10 2003**
72. Title: [Lateral modulations in InAlAs/InP and InGaAs/InP systems](#)
Author(s): Peiro F, Ferrer JC, Cornet A, et al.
Source: **PHYSICA STATUS SOLIDI A-APPLIED RESEARCH** Volume: **195** Issue: **1**
Pages: **32-37** Published: **JAN 2003**
73. Title: [Wafer-scale integration of GaAs optoelectronic devices with standard Si integrated circuits using a low-temperature bonding procedure](#)
Author(s): Georgakilas A, Deligeorgis G, Aperathitis E, et al.
Source: **APPLIED PHYSICS LETTERS** Volume: **81** Issue: **27** Pages: **5099-5101**
Published: **DEC 30 2002**
74. Title: [Laser interferometry as a diagnostic tool for the fabrication of reactive ion etching-edge-emitting lasers](#)
Author(s): Aperathitis E, Hatzopoulos Z, Georgakilas A, et al.
Source: **JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B** Volume: **20** Issue: **5** Pages: **1994-1999** Published: **SEP-OCT 2002**
75. Title: [Ultraviolet observations of periodic annular intensity fluctuations propagating around sunspots](#)
Author(s): Georgakilas AA, Muglach K, Christopoulou EB
Source: **ASTROPHYSICAL JOURNAL** Volume: **576** Issue: **1** Pages: **561-566**
Part: **Part 1** Published: **SEP 1 2002**
Times Cited: **9**
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Author(s): Georgakilas AG, Bennett PV, Sutherland BM
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Author(s): Zervos M, Kostopoulos A, Constantinidis G, et al.
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Author(s): Dimitrakopoulos GP, Komninou P, Kioseoglou J, et al.
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Published: **DEC 15 2001**
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Author(s): Androurlidaki M, Georgakilas A, Peiro F, et al.
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Pages: **515-518** Published: **NOV 23 2001**
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Author(s): Georgakilas A, Mikroulis S, Cimalla V, et al.
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Δημοσιεύσεις 2002-2007. Σύνολο: 8

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Author(s): Aggouras G, Anassontzis EG, Ball AEB, et al.
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Author(s): Aggouras G, Anassontzis EG, Ball AE, et al.
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Author(s): Tsagli S, Aggouras G, Anassontzis EG, et al.
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Author(s): Aggouras G, Anassontzis EG, Ball AE, et al.
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Author(s): Aggouras G, Anassontzis EG, Ball AE, et al.
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Author(s): Zhukov VA, Aloupis A, Anassontzis EG, et al.
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Author(s): Anassontzis EG, Ioannou P, Katsanevas S, et al.
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Ζώτος Ξενοφών, Καθηγητής

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Author(s): Savin AV, Tsironis GP, Zotos X
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Author(s): Louis K, Prelovsek P, Zotos X
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Author(s): Zotos X
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Author(s): Prelovsek P, El Shawish S, Zotos X, et al.

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Author(s): Karadamoglou J, Zotos X
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Author(s): Zotos X
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Author(s): Long MW, Prelovsek P, El Shawish S, et al.
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Author(s): Sewer A, Zotos X, Beck H
Source: **PHYSICAL REVIEW B** Volume: **66** Issue: **14** Article Number: **140504**
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Author(s): Zotos X
Source: **JOURNAL OF LOW TEMPERATURE PHYSICS** Volume: **126** Issue: **3-4**
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Author(s): Prelovsek P, Zotos X
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Δημοσιεύσεις 2002-2007. Σύνολο: 14

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Author(s): Karabourniotis D, Drakakis E, van der Mullen JJAM
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Volume: **108** Issue: **3** Pages: **319-341** Published: **DEC 2007**
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Author(s): Karabourniotis D
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Pages: **6608-6625** Published: **NOV 7 2007**
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Author(s): Karabourniotis D
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Author(s): Karabourniotis D, van der Mullen J
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Author(s): Karabourniotis D, Drakakis E
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 Author(s): Drakakis E, Karabourniotis D
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 Author(s): Karabourniotis D, Curry JJ, Drakakis E, et al.
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 Author(s): Karabourniotis D, van der Mullen J
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 Author(s): Karabourniotis D
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 Published: **DEC 29 2003**
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 Author(s): Karabourniotis D, Drakakis E
 Source: **IEEE TRANSACTIONS ON PLASMA SCIENCE** Volume: **31** Issue: **3**
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 Author(s): Karabourniotis D, Drakakis E
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 Author(s): Karabourniotis D, Drakakis E
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 Published: **SEP 9 2002**
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 Author(s): Karabourniotis D, Evaggelinou C, Tzetzis G, et al.
 Source: **PERCEPTUAL AND MOTOR SKILLS** Volume: **94** Issue: **3** Pages: **1259-1270** Part: **Part 2** Published: **JUN 2002**
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 Author(s): Karabourniotis D
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 Author(s): Kelires PC, Patsalas P
 Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **10** Pages: **V-V**
 Published: **OCT 2007**
119. Title: [Disorder and optical properties of amorphous carbon](#)
 Author(s): Mathioudakis C, Kopidakis G, Patsalas P, et al.
 Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **10** Pages: **1788-1792**
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 Author(s): Remediakis IN, Fyta MG, Mathioudakis C, et al.
 Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **10** Pages: **1835-1840**
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Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **10** Pages: **1875-1881** Published: **OCT 2007**
122. Title: [Simulations of nanocomposite carbon films](#)
Author(s): Kelires PC
Source: **REVIEWS ON ADVANCED MATERIALS SCIENCE** Volume: **15** Issue: **1** Pages: **69-78** Published: **SEP 2007**
123. Title: [Probing the sp\(2\) dependence of elastic moduli in ultrahard diamond films](#)
Author(s): Fyta MG, Hadjisavvas GC, Kelires PC
Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **8** Pages: **1643-1647** Published: **AUG 2007**
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Author(s): Fyta M, Kelires PC
Source: **DIAMOND AND RELATED MATERIALS** Volume: **16** Issue: **8** Pages: **1676-1681** Published: **AUG 2007**
125. Title: [Theory of interface structure, energetics, and electronic properties of embedded Si/a-SiO₂ nanocrystals](#)
Author(s): Hadjisavvas G, Kelires PC
Source: **PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES** Volume: **38** Issue: **1-2** Pages: **99-105** Published: **APR 2007**
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Author(s): Lioudakis E, Othonos A, Hadjisavvas GC, et al.
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127. Title: [Probing the structure and energetics of dislocation cores in SiGe alloys through Monte Carlo simulations](#)
Author(s): Remediakis IN, Jesson DE, Kelires PC
Source: **PHYSICAL REVIEW LETTERS** Volume: **97** Issue: **25** Article Number: **255502** Published: **DEC 22 2006**
128. Title: [Shape and faceting of Si nanocrystals embedded in a-SiO₂: A Monte Carlo study](#)
Author(s): Hadjisavvas G, Remediakis IN, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **74** Issue: **16** Article Number: **165419** Published: **OCT 2006**
129. Title: [Stress modifications induced by dimer vacancies in the Si\(001\) surface: Monte Carlo simulations](#)
Author(s): Sonnet P, Stauffer L, Tammar EM, et al.
Source: **SURFACE SCIENCE** Volume: **600** Issue: **18** Special Issue: **Sp. Iss. SI** Pages: **3600-3605** Published: **SEP 15 2006**
130. Title: [Insights into the fracture mechanisms and strength of amorphous and nanocomposite carbon](#)
Author(s): Fyta MG, Remediakis IN, Kelires PC, et al.
Source: **PHYSICAL REVIEW LETTERS** Volume: **96** Issue: **18** Article Number: **185503** Published: **MAY 12 2006**
131. Title: [Critical aspects of alloying and stress relaxation in Ge/Si\(100\) islands](#)
Author(s): Hadjisavvas G, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **72** Issue: **7** Article Number: **075334** Published: **AUG 2005**
132. Title: [General trends of the carbon penetration in Si\(001\) surfaces](#)
Author(s): Tammar EM, Sonnet P, Stauffer L, et al.
Source: **SOLID STATE COMMUNICATIONS** Volume: **135** Issue: **1-2** Pages: **138-143** Published: **JUL 2005**
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Author(s): Patsalas P, Logothetidis S, Kelires PC

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134. Title: [Electronic and optical properties of a-C from tight-binding molecular dynamics simulations](#)
Author(s): Mathioudakis C, Kopidakis G, Kelires PC, et al.
Source: **THIN SOLID FILMS** Volume: **482** Issue: **1-2** Pages: **151-155** Published: **JUN 22 2005**
135. Title: [Simulations of composite carbon films with nanotube inclusions](#)
Author(s): Fyta MG, Kelires PC
Source: **APPLIED PHYSICS LETTERS** Volume: **86** Issue: **19** Article Number: **191916** Published: **MAY 9 2005**
136. Title: [Computer Simulations of carbon nanostructures under pressure](#)
Author(s): Fyta MG, Kelires PC
Source: **FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES** Volume: **13** Pages: **13-20** Supplement: **Suppl. 1** Published: **2005**
137. Title: [Influence of germanium ad-dimers on carbon incorporation in the Si\(001\) surface](#)
Author(s): Sonnet P, Stauffer L, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **70** Issue: **23** Article Number: **235303** Published: **DEC 2004**
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Author(s): Hadjisavvas G, Kelires PC
Source: **PHYSICAL REVIEW LETTERS** Volume: **93** Issue: **22** Article Number: **226104** Published: **NOV 26 2004**
139. Title: [Physical trends in amorphous carbon: A tight-binding molecular-dynamics study](#)
Author(s): Mathioudakis C, Kopidakis G, Kelires PC, et al.
Source: **PHYSICAL REVIEW B** Volume: **70** Issue: **12** Article Number: **125202** Published: **SEP 2004**
140. Title: [Physical origin of trench formation in Ge/Si\(100\) islands](#)
Author(s): Sonnet P, Kelires PC
Source: **APPLIED PHYSICS LETTERS** Volume: **85** Issue: **2** Pages: **203-205** Published: **JUL 12 2004**
141. Title: [A constrained-equilibrium Monte Carlo method for quantum dots - The problem of intermixing](#)
Author(s): Kelires PC
Source: **JOURNAL OF PHYSICS-CONDENSED MATTER** Volume: **16** Issue: **17** Pages: **S1485-S1501** Published: **MAY 5 2004**
142. Title: [Modeling of the carbon-rich c\(4x4\) reconstruction on Si\(100\)](#)
143. Author(s): Remediakis IN, Guedj C, Kelires PC, et al.
Source: **SURFACE SCIENCE** Volume: **554** Issue: **2-3** Pages: **90-102** Published: **APR 10 2004**
144. Title: [Computational investigation of intrinsic localization in crystalline Si](#)
Author(s): Voulgarakis NK, Hadjisavvas G, Kelires PC, et al.
Source: **PHYSICAL REVIEW B** Volume: **69** Issue: **11** Article Number: **113201** Published: **MAR 2004**
145. Title: [Defect-mediated carbon incorporation in the Si\(001\) surface: role of stress and carbon-defect interactions](#)
Author(s): Sonnet P, Stauffer L, Selloni A, et al.
Source: **SURFACE SCIENCE** Volume: **544** Issue: **2-3** Pages: **277-284** Published: **OCT 20 2003**
146. Title: [Stress and composition of C-induced Ge dots on Si\(100\)](#)
Author(s): Hadjisavvas G, Sonnet P, Kelires PC
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147. Title: [Strain-driven composition gradients in nanocrystalline SiGe](#)
Author(s): Tzoumanekas C, Kelires PC

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148. Title: [Energetics and stability of nanostructured amorphous carbon](#)
Author(s): Fyta MG, Remediakis IN, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **67** Issue: **3** Article Number: **035423**
Published: **JAN 15 2003**
149. Title: [Theory of bond-length variations in relaxed, strained, and amorphous silicon-germanium alloys](#)
Author(s): Tzoumanekas C, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **66** Issue: **19** Article Number: **195209**
Published: **NOV 15 2002**
150. Title: [Monte Carlo studies of stress fields and intermixing in Ge/Si\(100\) quantum dots](#)
Author(s): Sonnet P, Kelires PC
Source: **PHYSICAL REVIEW B** Volume: **66** Issue: **20** Article Number: **205307**
Published: **NOV 15 2002**
151. Title: [Nanomechanical properties of multilayered amorphous carbon structures](#)
Author(s): Mathioudakis C, Kelires PC, Panagiotatos Y, et al.
Source: **PHYSICAL REVIEW B** Volume: **65** Issue: **20** Article Number: **205203**
Published: **MAY 15 2002**

Κομίνης Ιωάννης, Λέκτορας (από 2004)

Δημοσιεύσεις 2004-2007. Σύνολο: 12

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Author(s): Katsoprinakis GE, Dellis AT, Kominis IK
Source: **PHYSICAL REVIEW A** Volume: **75** Issue: **4** Article Number: **042502**
Published: **APR 2007**
153. Title: [Extraction of the neutron magnetic form factor from quasielastic \$\(3\)\(H\)\overrightarrow{e}\overrightarrow{e}'\$ at \$Q\(2\)=0.1-0.6\$ \(GeV/c\) \$\(2\)\$](#)
Author(s): Anderson B, Auerbach L, Averett T, et al.
Source: **PHYSICAL REVIEW C** Volume: **75** Issue: **3** Article Number: **034003**
Published: **MAR 2007**
154. Title: [High frequency atomic magnetometer by use of electromagnetically induced transparency](#)
Author(s): Katsoprinakis G, Petrosyan D, Kominis IK
Source: **PHYSICAL REVIEW LETTERS** Volume: **97** Issue: **23** Article Number: **230801** Published: **DEC 8 2006**
155. Title: [RETrap - a cryogenic Penning ion trap system](#)
Author(s): Toleikis S, Maruyama R, Church DA, et al.
Source: **NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS** Volume: **235** Pages: **479-481** Published: **JUL 2005**
156. Title: [Detecting shake-off electron-ion coincidences to measure beta-decay correlations in laser trapped Na-21](#)
Author(s): Scielzo ND, Freedman SJ, Fujikawa BK, et al.
Source: **NUCLEAR PHYSICS A** Volume: **746** Pages: **677C-680C** Published: **DEC 27 2004**
157. Title: [Measurement of the generalized forward spin polarizabilities of the neutron](#)
Author(s): Amarian M, Auerbach L, Averett T, et al.
Source: **PHYSICAL REVIEW LETTERS** Volume: **93** Issue: **15** Article Number: **152301** Published: **OCT 8 2004**
158. Title: [Parity-violating electroweak asymmetry in \$\(e\)\overrightarrow{e}\overrightarrow{p}\$ scattering](#)
Author(s): Aniol KA, Armstrong DS, Averett T, et al.

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159. Title: [Basic instrumentation for Hall A at Jefferson Lab](#)
Author(s): Alcorn J, Anderson BD, Aniol KA, et al.
Source: **NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT** Volume: **522** Issue: **3** Pages: **294-346** Published: **APR 21 2004**
160. Title: [Q\(2\) evolution of the neutron spin structure moments using a He-3 target](#)
Author(s): Amarian M, Auerbach L, Averett T, et al.
Source: **PHYSICAL REVIEW LETTERS** Volume: **92** Issue: **2** Article Number: **022301** Published: **JAN 16 2004**
161. Title: [A subfemtotesla multichannel atomic magnetometer](#)
Author(s): Kominis IK, Kornack TW, Allred JC, et al.
Source: **NATURE** Volume: **422** Issue: **6932** Pages: **596-599** Published: **APR 10 2003**
162. Title: [Plane-wave impulse approximation extraction of the neutron magnetic form factor from quasielastic \$\(^3\text{He}\)_{\rightarrow\(e, e'\)}\$ at \$Q\(2\)=0.3\$ to \$0.6\$ \(GeV/c\) \$^2\$](#)
Author(s): Xu W, Anderson B, Auberbach L, et al.
Source: **PHYSICAL REVIEW C** Volume: **67** Issue: **1** Article Number: **012201**
Published: **JAN 2003**
163. Title: [Q\(2\) evolution of the generalized Gerasimov-Drell-Hearn integral for the neutron using a He-3](#)
Author(s): Amarian M, Auerbach L, Averett T, et al.
Source: **PHYSICAL REVIEW LETTERS** Volume: **89** Issue: **24** Article Number: **242301** Published: **DEC 9 2002**

Κυλάφης Νικόλαος, Καθηγητής

Δημοσιεύσεις 2002-2007. Σύνολο: 9

164. Title: [Spectra and time variability of black-hole binaries in the low/hard state](#)
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Δημοσιεύσεις 2002-2007. Σύνολο: 28

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Παπαδάκης Ιωσήφ, Επίκουρος Καθηγητής (μέλος ΔΕΠ από το 2003)
 Δημοσιεύσεις 2003-2007. Σύνολο: 43

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Παπαμαστοράκης Ιωάννης, Καθηγητής
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Παπανικολάου Νικόλαος, Καθηγητής
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