Βιογραφικό σημείωμα

Κωνσταντίνος Μουτζούρης, Επίκουρος Καθηγητής
Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας

ΤΕΙ Αθήνας, Τμήμα Ηλεκτρονικής, Αιγάλεω 12210, Αθήνα,
Εργαστήριο Ηλεκτρικού Χαρακτηρισμού Υλικών και Ηλεκτρικών Διατάξεων
Τηλ: +30 2105385298, Fax:+30 210 5316525, Email: moutzouris@ee.teiath.gr

1. Ακαδημαϊκή προϋπηρεσία

Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας
Τακτικός Επίκουρος Καθηγητής στο τμήμα Ηλεκτρονικής (*2010 –Σήμερα)*
Έκτακτος Επίκουρος Καθηγητής στο τμήμα Ηλεκτρονικής (*2008 – 09)*

Ομοσπονδιακό Πολυτεχνείο Ζυρίχης (ETH), Ελβετία
Μεταδιδακτορικός ερευνητής στην ομάδα Ultrafast Laser Physics (*2006)*

Πανεπιστήμιο της Konstanz, Γερμανία
Μεταδιδακτορικός ερευνητής στην ομάδα Modern Optics and Quantum Electronics (*2003-05)*

Πολυτεχνείο του Μονάχου, Γερμανία
Επισκέπτης ερευνητής στην ομάδα Quantum Optics and Ultrafast Phenomena (*2003)*

Rutherford Appleton Laboratory, Οξφόρδη, Βρετανία
Επισκέπτης ερευνητής στην ομάδα Laser Applications *(1999)*

2. Εκπαίδευση

Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών
Πτυχίο Φυσικής (1998)

Πανεπιστήμιο του St Andrews, Βρετανία
MSc in Optoelectronics and Laser Devices (1999)
PhD in Semiconductor Nonlinear Optics (2003)

3. Διακρίσεις και δραστηριότητες

Ειδικές αναφορές του διεθνούς επιστημονικού τύπου σε δημοσιευμένες εργασίες μου:
Nature Photonics, Απρίλιος 2007, "*Making a difference"*
Laser Focus World, Μάιος 2006, "*Fiber source tunes continuously in the visible"*
Photonics Spectra, Ιούνιος 2006, "*Compact solid state source is tunable from green to red"*

Κριτής ή επιμελητής σε επιστημονικά περιοδικά:
Optics Letters
Optics Express
Optics Communications
Optical Materials
Materials letters
Journal of Physics and Chemistry of Solids
Solid State Electronics
Scientific American (guest editor)

Προσκεκλημένες παραδόσεις διαλέξεων και σεμιναρίων:
Πανεπιστήμιο της Βόννης, Γερμανία
Πανεπιστήμιο του Πάντερμπορν, Γερμανία
Εθνικό Ίδρυμα Ερευνών, Αθήνα
Πολυτεχνείο Μονάχου, Γερμανία
Πολυτεχνείο Ζυρίχης, Ελβετία
Θερινό σχολείο Optoelectronics, Lasers and Applications, OLA 2008, Χανιά

Υποτροφίες:
Υποτροφία του EPSRC για μεταπτυχιακές σπουδές MSc
Υποτροφία του EPSRC για διδακτορικές σπουδές

Συμμετοχή σε Ευρωπαϊκά προγράμματα:
"Optical Frequency Conversion in Semiconductor Heterostructures II" (OFCORSE II, ESPRIT, EU 5TH FWP, 1.24M€); "Agile photonic integrated systems-on-chip enabling WDM Terabit networks": (APACHE, Collaborative Project (generic), EU 7TH FWP, 3.98M€); "Pan-European photonics task force" (EURO-FOS, Networks of Excellence, EU 7TH FWP, 5.06M€); "Building the Future Optical Network: (BONE, Networks of Excellence, EU 7TH FWP, 4.78M€); "Compact Femtosecond Fiber Lasers: Versatile Sources for Precision Metrology and Biophotonics" (German Research Foundation grant DFG MA/2385/2-3, 396K€); "Research and development of novel multifunctional polymer nanocomposites" (MPN, θαλής, ΓΓΕΤ, 510K€).

4. Ερευνητική εμπειρία

Οπτικός χαρακτηρισμός υλικών και διατάξεων:
Τεχνικές διαθλασιμετρίας για τον προσδιορισμό του δείκτη διάθλασης κρυσταλλικών, κεραμικών και πολυμερικών υλικών. Τεχνικές σύζευξης πρίσματος για τη μέτρηση του δείκτη διάθλασης και του πάχους λεπτών υμενίων και κυματοδηγών. Τεχνικές ανίχνευσης σκεδαζόμενης ακτινοβολίας και Fabry-Perot για την μέτρηση οπτικών απωλειών σε κυματοδηγούς. Θεωρητική μελέτη προσδιορισμού συντελεστών Sellmeier για την κατάστρωση εξισώσεων διασποράς. Μοντέλα προσομοίωσης γραμμικών και μη-γραμμικών οπτικών ιδιοτήτων υλικών που υπολογίζουν φασματικές καμπύλες λειτουργίας, διασπορά διαφόρων τάξεων, ζώνες αποδοχής, χωρικά και χρονικά φαινόμενα walk-off, ενεργούς συντελεστές μη-γραμμικότητας, κλπ.

Διατάξεις και τεχνολογίες μη-γραμμικής οπτικής:
Οπτικοί παραμετρικοί ταλαντωτές σύγχρονης άντλησης (SP-OPO). Οπτικοί παραμετρικοί ενισχυτές με παλμούς chirped (CP-OPA). Διατάξεις αθροίσματος, διαφοράς και αρμονικής μίξης (SFG, DFG, HG). Πρωτότυπες τεχνικές επίτευξης συμφωνίας-φάσης σε ισοτροπικούς κυματοδηγούς με χρήση γεωμετριών τεχνητής διπλοθλαστικότητας, δομών αναμεμειγμένων κβαντικών πηγαδιών (quasi-phase-matching), και εκμετάλλευσης του φαινομένου διασποράς κυματοδήγησης (modal-phase-matching). Σχεδιασμός ειδικών περιοδικών και απεριοδικών δομών φεροηλεκτρικών κρυστάλλων για την επίτευξη ταυτόχρονης μετατροπής συχνότητας και φασματικού φιλτραρίσματος.

Laser υπερταχέων παλμών:
Laser εγκλείδωσης ρυθμών (Ti: sapphire και οπτικών ινών) με χρήση φαινομένου Kerr και μη-γραμμικής περιστροφής πόλωσης. Γέννηση φασματικού συνεχούς σε οπτική ίνα. Κατασκευή μετρητικών οργάνων χαρακτηρισμού υπερταχέων παλμών στο πεδίο της συχνότητας και του χρόνου, που περιλαμβάνουν: Αυτοσυσχετιστές έντασης και συμβολής, διατάξεις frequency-resolved-optical-gating (FROG), και φασματογράφους υπέρυθρου βασισμένους σε μετασχηματισμό Fourier. Ανάπτυξη Laser για εφαρμογές στην: μικροσκοπία – μετρολογία – φυσική υψηλών πεδίων. Συστήματα προσαρμοστικής-οπτικής κλειστού-κυκλώματος, για τη βελτιστοποίηση του μετώπου κύματος σε Laser υψηλής ισχύος.

5. Διδακτική εμπειρία

Μαθήματα προπτυχιακού κύκλου σπουδών:
Ηλεκτρομαγνητισμός
Οπτικοηλεκτρονική
Οπτικοηλεκτρονική και Ιατρικά Laser
Ηλεκτρικά Κυκλώματα
Αναλογικά Ηλεκτρονικά ΙΙ
Αναλογικά Ηλεκτρονικά ΙΙΙ

Μαθήματα μεταπτυχιακού κύκλου σπουδών:
Ειδικά Θέματα Σύγχρονης Φυσικής
Ολοκληρωμένα και Κβαντικά Ηλεκτρονικά

6. Δημοσιεύσεις

Σύνολο δημοσιεύσεων: 61

Σε συλλογικούς τόμους: 4
Σε διεθνή περιοδικά με κριτές: 19
Σε πρακτικά συνεδρίων με κριτές: 27
Σε επιστημονικά Συνέδρια με κριτές που δεν εκδίδουν πρακτικά: 10
Σε άλλα περιοδικά: 1

Ετεροαναφορές: 378 (πηγή: www.scopus.gr)

h-factor: 11 (πηγή: www.scopus.gr)

7. Αναλυτική λίστα δημοσιεύσεων

Σε συλλογικούς τόμους

a1. F. Adler, A. Sell, F. Sotier, D. Träutlein, K. Moutzouris, A. Leitenstorfer "Widely tunable femtosecond Er:fiber lasers and applications", J.R. McDonald Ed., Nova Science Publ., In:
Encyclopedia of Laser Research, ISBN: 978-1-61324-545-3, (2012)

a2. A. Leitenstorfer, A. Sell, D. Träutlein, F. Adler, K. Moutzouris, F. Sotier, M. Kahl, R. Bratschitsch, R. Huber, E. Ferrando-May "Ultrabroadband Er:fiber Systems and Applications" P. Corkum, S. De Silvestri, K. A. Nelson, E. Riedle Eds., Springer Publ., In:
Springer Series in Chemical Physics, vol. 92, ISBN: 978-3-540-95945-8, (2009)

a3. F. Adler, A. Sell, F. Sotier, D. Träutlein, K. Moutzouris, A. Leitenstorfer "Widely tunable femtosecond Er:fiber lasers and applications" M. Kimura Ed., Nova Science Publ., In:
Fiber lasers: Research, Technology and Applications, ISBN: 978-1-60692-896-7, (2009)

a4. K. Moutzouris, F. Adler, F. Sotier, D. Träutlein, A. Sell, E. May, A. Leitenstorfer "Highly efficient nonlinear frequency conversion schemes for compact femtosecond Er:fiber lasers: from the near ultraviolet through the entire visible into the near infrared" M. Takahashi and H. Goto Eds., Nova Science Publ., In:
Progress in Nonlinear Optics Research, ISBN: 978-1-60456-668-0, (2008)

Σε διεθνή περιοδικά με κριτές

b1. I. Stavrakas, K. Moutzouris, K. Ninos, N. Mitritsakis, Z. Agioutantis, D. Triantis "Using AC Conductivity Measurements to Study the Influence of Mechanical Stress on the Strength of Geomaterials"
Open Journal of Applied Sciences, vol. 2, pp. 61-65, (2012)

b2. A. Alexandridis, E. Chondrodima, K. Moutzouris, D. Triantis "A neural network approach for the prediction of the refractive index based on experimental data"
Journal of Materials Science 47, pp. 883-891, (2012)

b3. K. Moutzouris, G. Hloupis, I. Stavrakas, D. Triantis, M.H. Chu "Temperature-dependent visible to near-infrared optical properties of 8 mol% Mg-doped lithium tantalate"
Optical Materials Express, vol. 1, pp. 458-465, (2011)

b4. K. Moutzouris, I. Stavrakas, D. Triantis, M. Enculescu "Temperature-dependent refractive index of potassium acid phthalate (KAP) in the visible and near-infrared"
Optical Materials, vol. 33, pp. 812-816, (2011)

b5. Esteban-Martin, O. Kokabee, K. Moutzouris, M. Ebrahim-Zadeh "High-harmonic-repetition-rate, 1 GHz femtosecond optical parametric oscillator pumped by a 76-MHz Ti:sapphire laser"
Optics Letters, vol. 34, pp. 428-430, (2009)
Selected for the April 2009 issue of Virtual Journal of Ultrafast Science

b6. D. Träutlein, E. F. May, F. Adler, K. Moutzouris, A. Leitenstorfer, A. Jeromin "Highly versatile confocal microscopy system based on a tunable femtosecond Er:fiber source"
Journal of Biophotonics, vol. 1, pp. 53-61, (2007)

b7. C. Erny, K. Moutzouris, J. Biegert, U. Keller, F. Adler, a. Leitenstorfer "Mid-infrared difference frequency generation of ultrashort pulses tunable between 3.2 μm and 4.8 μm from a compact fiber source"
Optics Letters, vol. 32, pp. 1138-1140, (2007)
Selected for the May 2007 issue of Virtual Journal of Ultrafast Science
Featured in the April 2007 issue of Nature Photonics

b8. K. Moutzouris, F. Adler, F. Sotier, A. Leitenstorfer "Sum frequency generation of continuously tunable blue pulses from a two-branch femtosecond fiber source"
Optics Communications, vol. 274, pp. 417-421, (2007)

b9. K. Moutzouris, F. Adler, F. Sotier, D. Träutlein, A. Leitenstorfer "Multimilliwatt ultrashort pulses continuously tunable in the visible from a compact fiber source"
Optics Letters, vol. 31, pp. 1148-1150, (2006)
Selected for the July 2006 issue of Virtual Journal of Ultrafast Science
Selected for the May 2006 issue of Virtual Journal of Biomedical Optics
Featured in the May 2006 issue of Laser Focus World
Featured in the June 2006 issue of Photonics Spectra

b10. K. Moutzouris, F. Sotier, F. Adler, A. Leitenstorfer "Highly efficient second, third and fourth harmonic generation from a two-branch femtosecond fiber source"
Optics Express, vol. 14, pp. 1905-1912, (2006)
Selected for the May 2006 issue of Virtual Journal of Ultrafast Science

b11. S. V. Rao, K. Moutzouris, M. Ebrahimzadeh "Nonlinear frequency conversion in semiconductor optical waveguides using birefringent, modal, and quasi-phase-matching techniques"
Journal of Optics A: Pure and Applied Optics, vol. 6, pp. 569-584, (2004)

b12. F. Adler, K. Moutzouris, A. Leitenstorfer, H. Schnatz, B. Lipphardt, G. Grosche, F. Tauser, "Phase-locked two-branch erbium-doped fiber laser system for long-term precision measurement of optical frequencies"
Optics Express, vol. 12, pp. 5872-5880, (2004)
Selected for the February 2005 issue of Virtual Journal of Ultrafast Science

b13. K. Moutzouris, S. V. Rao, M. Ebrahimzadeh, A. De Rossi, M.Calligaro, V. Ortiz, V. Berger "Second harmonic generation through optimized modal phase matching in semiconductor waveguides"
Applied Physics Letters, vol. 83, pp. 620-622, (2003),
Selected for the August 2003 issue of Virtual Journal of Ultrafast Science

b14. K. Zeaiter, D.C. Hutchings, R.M. Gwilliam, K. Moutzouris, S. V. Rao, M. Ebrahimzadeh "Quasi-phase matched second harmonic generation in GaAs/AlAs superlattice waveguide using ion-implantation induced intermixing"
Optics Letters, vol. 28, pp. 911-913, (2003)

b15. V. Loyo-Maldonado, H.K. Lee, C.R. Stanley, S. V. Rao, K. Moutzouris, M. Ebrahimzadeh, J.S. Aitchison "Generation of ultra short electrical pulses in semiconductor waveguides"
IEEE Photonics Technology Letters, vol. 15, pp. 428-430, (2003)

b16. S. V. Rao, K. Moutzouris, M. Ebrahimzadeh, A. De Rossi, M. Calligaro, V. Ortiz, G. Ginitz, V. Berger "Influence of scattering and two-photon absorption on the optical loss in GaAs/Al2O3 nonlinear waveguides measured using femtosecond pulses"
IEEE Journal of Quantum Electronics, vol. 39, pp. 478-486, (2003)

b17. S.V. Rao, K. Moutzouris, M. Ebrahimzadeh, A. De Rossi, M. Calligaro, V. Ortiz, G. Ginitz, V. Berger "Measurements of optical loss in GaAs/Al2O3 nonlinear waveguides in the infrared using femtosecond scattering technique"
Optics Communications, vol. 213, pp. 223-228, (2002)

b18. K. Moutzouris, S.V. Rao, M. Ebrahimzadeh, A. De Rossi, V. Berger, M. Calligaro, V. Ortiz "Efficient second harmonic generation in GaAs/Al2O3 waveguides using birefringent phase matching"
Optics Letters, vol. 26, pp. 1785-1787, (2001)

b19. A.S. Helmy, D.C. Hutchings, T.C. Kleckner, J.H. Marsh, A.C. Bryce, J.M. Arnold, C.R. Stanley, J.S. Aitchison, C.T.A. Brown, K. Moutzouris, M Ebrahimzadeh "Quasi phase matching in GaAs-AlAs superlattice waveguides through bandgap tuning by use of quantum-well intermixing"
Optics Letters, vol. 25, pp. 1370-1372, (2000)

Σε πρακτικά Συνεδρίων με κριτές

c1. G. Hloupis, I. Stavrakas, K. Moutzouris, D. Triantis "Low cost experimental devices for educational seismic networks", 4th International Conference on Computer Supported Education (CSEDU), Porto, Portugal, April 2012.
CSEDU Conference Proceedings, vol. 1, pp. 356-359, (2012)

c2. G. Hloupis, I. Stavrakas, K. Moutzouris, A. Alexandridis, D. Triantis "WSN Open Source Development Platform: Application to Green Learning", Eurosensors XXV, Athens, Greece, September 2011.
Procedia Engineering, vol. 25, pp. 1049-1052, (2011)

c3. G. Hloupis, I. Stavrakas, A. Alexandridis, K. Moutzouris, D. Triantis "Can Open Source Electronics platforms be beneficial for early worning systems?", European Geosciences Union General Assembly (EGU), Vienna, Austria, April 2011.
Geophysical Research Abstracts, vol. 13, p. 13004, (2011)

c4. K. Moutzouris, I. Stavrakas, C. Anastasiadis, D. Triantis "Theoretical study of second harmonic generation in strontium and calcium tartrato-antimonates", International Commission for Optics Topical Meeting on Emerging Trends and Novel Materials in Photonics, Delphi, Greece, October 2009
ICO-Photonics Conference Proceedings, p. 114, (2009)

c5. O. Kokabee, A. Esteban-Martin, K. Moutzouris, M. Ebrahim-Zadeh "Extended-cavity GHz-repetition-rate femtosecond optical parametric oscillator pumped at 76 MHz", European Conference on Lasers and Electro-Optics, Munich, Germany, June 2009.
CLEO/Europe Technical Digest, Article number 5196456, (2009)

c6. O. Kokabee, A. Esteban Martin, K. Moutzouris, M. Ebrahim-Zadeh "1-GHz femtosecond optical parametric oscillator pumped by a 76-MHz Ti:sapphire Laser", Conference on Lasers and Electro-Optics (CLEO) Baltimore, USA, May 2009.
CLEO Technical Digest, Article number 5224587, (2009)

c7. K. Moutzouris, F. Adler, A. Sell, A. Leitenstorfer, "Ultra-wide band wavelength converters", 10th Anniversary International Conference on Transparent Optical Networks (ICTON), Athens, Greece, June 2008.
ICTON Conference Proceedings, vol. 3, pp. 198-201, (2008)
Invited article

c8. C. Erny, K. Moutzouris, J. Biegert, U. Keller, D. Kuehlke, F. Adler, A. Leitenstorfer "Femtosecond mid-infrared difference-frequency-generation tunable between 3.2 μm and 4.8 μm from a compact fiber source" European Conference on Lasers and Electro Optics, Munich, Germany,
CLEO/Europe Technical Digest, Article number 4385801, (2007)

c9. D. Träutlein, E. May, F. Adler, K. Moutzouris, A. Leitenstorfer, U. Camenisch, H. Nageli, A. Jeromin "Confocal Microscopy and Micromanipulation Based on a Femtosecond Fiber Laser with Ultrawide Tuning Range", European Conference on Lasers and Electro Optics, Munich, Germany, June 2007.
CLEO/Europe Technical Digest, Article number 4386658, (2007)

c10. A. Leitenstorfer, F. Adler, E. Feuerbacher, K. Moutzouris, A. Sell, D. Träutlein, E. May "Broadband Femtosecond Fiber Lasers and Applications: From Bioimaging via Precision Metrology to Ultrafast Single Photonics", 3rd International Symposium on Ultrafast Photonic Technologies (ISUPT), Cambridge, Massachusetts, USA , August 2007.
ISUPT Conference Proceedings, pp. 45-48. (2007)
Invited article

c11. C. Erny, K. Moutzouris, J. Biegert, U. Keller, D. Kuehlke, F. Adler, A. Leitenstorfer "Femtosecond mid-infrared difference-frequency-generation tunable between 3.2 μm and 4.8 μm from a compact fiber source", Conference on Lasers and Electro Optics, Baltimore, USA May 2007.
CLEO Technical Digest, Article number 4452812, (2007)

c12. K. Moutzouris, F. Adler , F. Sotier, D. Träutlein, A. Leitenstorfer "Fiber-laser pumped MgO:LiNbO3 based frequency doubler providing sub-picosecond pulses continuously tunable from 520 nm to 700 nm", Conference on Lasers and Electro Optics, Long Beach, USA, May 2006.
CLEO Technical Digest, Article number 4628512, (2006)

c13. F. Tauser, A. Zach, F. Lison, F. Adler, K. Moutzouris, A. Leitenstorfer "Two alternative approaches to broadband visible light generation with mode-locked erbium fiber lasers", Conference on Lasers and Electro Optics, Long Beach, USA, May 2006.
CLEO Technical Digest, Article number JWB37, (2006)

c14. F. Adler, K. Moutzouris, A. Leitenstorfer, H. Schnatz, B. Lipphardt, G. Grosche, F. Tauser "Two-Branch Er:Fiber Laser System for Long-Term Optical Frequency Metrology", Conference on Lasers and Electro Optics, Baltimore, USA, May 2005.
CLEO Technical Digest, Article number CThU4, (2005)

c15. F. Tauser, A. Zach, F. Lison, F. Adler, K. Moutzouris, A. Leitenstorfer, H. Schnatz, B. Lipphardt "Extending scope and applicability of femtosecond light pulses from erbium-doped fiber lasers", Conference on Commercial and Biomedical Applications of Ultrafast Lasers V, San Jose, USA, January 2005.
Proceedings of SPIE, vol. 5714, Article number 01, pp. 1-8, (2005)
Invited article

c16. K. Moutzouris, S. V. Rao, M. Ebrahimzadeh, R.M. Gwilliam, K. Zeaiter, D. Hutchings "Second harmonic generation in first-order quasi-phase-matched GaAs/AlAs superlattice waveguides by use of ion implantation induced intermixing", Conference on Lasers and Electro Optics, Baltimore, USA, June 2003.
CLEO Technical Digest, Article number CThU4, (2003)
Reprinted in: ***OSA Trends in Optics and Photonics,*** *Series 88, pp. 1794-1795, (2003)*

c17. K. Moutzouris, S. V. Rao, M. Ebrahimzadeh, A. De Rossi, M.Calligaro, V. Ortiz, V. Berger "Modal phase matching in GaAs/AlGaAs waveguides: second harmonic generation with femtosecond pulses near 1.5 μm", Conference on Lasers and Electro Optics, Baltimore, USA, June 2003.
CLEO Technical Digest, Article number CtuG1, (2003)
Reprinted in: ***OSA Trends in Optics and Photonics,*** *Series 88, pp. 505-506, (2003)*

c18. K. Moutzouris, S. V. Rao, M. Ebrahimzadeh, A. De Rossi, M.Calligaro, V. Ortiz, V. Berger "Second harmonic generation in GaAs/AlGaAs waveguides with femtosecond pulses near 1.55 mm using modal phase matching technique", European Conference on Lasers and Electro Optics, Munich, Germany, June 2003.
CLEO/Europe Technical Digest, Article number CE1-3, (2003)

c19. K. Zeaiter, D. Hutchings, R.M. Gwilliam, K. Moutzouris, S. V. Rao, M. Ebrahimzadeh "First-order quasi-phase-matched second harmonic generation in GaAs/AlAs superlattice waveguides by use of ion-Implantation induced intermixing", European Conference on Lasers and Electro Optics, Munich, Germany, June 2003,
CLEO/Europe Technical Digest, Article number CE5-5, (2003)

c20. K. Zeaiter, D. Hutchings, K. Moutzouris, S. V. Rao, and M. Ebrahimzadeh "Quasi-phase-matched second harmonic generation in an GaAs/AlAs superlattice waveguide using ion-implantation induced intermixing" 15th Annual Meeting-IEEE Lasers and Electro-Optics Society, Glasgow, UK, November 2002.
IEEE LEOS Annual Meeting Conference Proceedings, vol. 1, p. 81, (2002)

c21. K. Moutzouris, S. V. Rao, M. Ebrahimzadeh, A. De Rossi, M. Calligaro, V. Ortiz, G. Ginitz, V. Berger "Measurements of optical loss in GaAs/Al2O3 nonlinear waveguides in the infrared using femtosecond scattering technique", Conference on Lasers and Electro Optics, Long Beach, USA, May 2002.
CLEO Technical Digest, Article number CWA7, (2002)
Reprinted in: ***OSA Trends in Optics and Photonics,*** *Series 73, pp. 317-318, (2002)*

c22. S. V. Rao, K. Moutzouris, M. Ebrahimzadeh, A. De Rossi, V. Berger, M, Calligaro, V. Ortiz "Efficient second harmonic generation in birefringently phase-matched GaAs/Al2O3 waveguides using femtosecond pulses at 2.01 mm", Conference on Lasers and Electro Optics, Long Beach, USA, May 2002.
CLEO Technical Digest, Article number CTuN5, (2002)
Reprinted in: ***OSA Trends in Optics and Photonics,*** *Series 73, pp. 255-256, (2002)*

c23. V. Loyo-Maldonado, J.S. Aitchison, E. S. Rogers, S. V. Rao, K. Moutzouris, M. Ebrahimzadeh "Generation of ultra short electrical pulses in semiconductor waveguides", Conference on Lasers and Electro Optics, Long Beach, USA, May 2002.
CLEO Technical Digest, Article number CTuN6, (2002)
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c24. A.S. Helmy, D.C. Hutchings, T.C. Kleckner, J.H. Marsh, A.C. Bryce, J.M. Arnold, C.R. Stanley, J.S. Aitchison, C.T.A. Brown, K. Moutzouris, M. Ebrahimzadeh "Quasi-phase-matching in GaAs-AlAs superlattice waveguides via bandgap tuning using quantum well intermixing", Conference on Nonlinear Optics: Materials, Fundamentals and Applications, Hawaii, USA, August 2000.
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