**PUBLICATIONS 1996**

**Book Chapters and Reviews**

R.E. Davis, J.K. Whitesell, M.S. Wong and N.-L. Chang  
"Molecular Shape as a Design Criterion in Crystal Engineering" Chapter 3 in:  
"The Crystal as a Supramolecular Entity - Perspectives in Supramolecular Chemistry", Vol. 2,  
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G. Montemezzani and P. Günter  
"Inorganic and Organic Photorefractive Materials" in:  
"Notions and Perspectives of Nonlinear Optics"  
(Editors : Ole Keller), World Scientific, Singapore, 370-427 (1996)

**Journal Publications**

I. Biaggio and G. Roosen  
"Influence of Shallow Traps on the Enhancement of the Photorefractive Grating Amplitude by a High-Frequency Alternating Electric Field: a Probabilistic Analysis"  

Ch. Bosshard, R. Spreiter, M. Zgonik and P. Günter  
"Cascaded Nonlinearities of Organic and Inorganic Single Crystals"  

Ch. Bosshard, R. Spreiter, P. Günter, R.R. Tykwinski, M. Schreiber and F. Diederich  
"Structure-Property Relationships in Nonlinear Optical Tetraethynylethenes"  

Ch. Bosshard  
"Cascading of Second-Order Nonlinearities in Polar Materials"  

S. Brülsauer, D. Fluck, P. Günter, L. Beckers and Ch. Buchal  
"Photorefractive Effect in Proton-Implanted Fe-Doped KNbO₃ Waveguides at Telecommunication Wavelengths"  

L.-A. de Montmorillon, I. Biaggio, Ph. Delaye, J.-C. Launay and G. Roosen  
"Eye-Safe Large Field of View Homodyne Detection Using a Photorefractive CdTe:V Crystal"  

J. Dolinsek, D. Arcon, B. Zalar, R. Pirc, R. Blinc and R. Kind  
"Quantum Effects in the Dynamics of Proton Glasses"  

M. Duelli, R. Cudney and P. Günter  
"Discrimination of Enclosed Images by Weighted Storage in an Optical Associative Memory."  

L. Eng, M. Friedrich, J. Fousek and P. Günter  
"Deconvolution of Topographic and Ferroelectric Contrast by Noncontact and Friction Force Microscopy"  
L. Eng, Ch. Seuret, H. Looser and P. Günter
"Approaching the Liquid/Air Interface with Scanning Force Microscopy"

L. Eng, M. Friedrich, J. Fousek and P. Günter
"Scanning Force Microscopy of Ferroelectric Crystals"

L. Eng, F. Eng, Ch. Seuret, A. Kündig and P. Günter
"Inexpensive, Reliable Control Electronics for Stick-Slip Motion in Air and Ultrahigh Vacuum"

D. Fluck, T. Pliska and P. Günter
"Compact 10 mW All-Solid-State 491 nm Laser Based on Frequency Doubling a Master Oscillator Power Amplifier Laser Diode"

D. Fluck, T. Pliska, P. Günter, L. Beckers and C. Buchal
"Cerenkov-Type Second-Harmonic Generation in KNbO₃ Channel Waveguides"

D. Fluck and P. Günter
"Tunable Blue Light Generation by Sum-Frequency Mixing of AlGaAs and InGaAs Laser Diodes in KNbO₃"

D. Fluck, T. Pliska, P. Günter, St. Bauer, L. Beckers and Ch. Buchal
"Blue-Light Second-Harmonic Generation in Ion-Implanted KNbO₃ Channel Waveguides of New Design"

S. Follonier, Ch. Bosshard, F. Pan and P. Günter
"Photorefractive Effects Observed in 4-N-Dimethylamino-4'-N'-Methyl-Stilbazolium Toluene-p-Sulfonate"

S. Grafström, T. Blasberg and D. Suter
"Reflection Spectroscopy of Spin-Polarized Atoms Near a Dielectric Surface"

S. Grafström and D. Suter
"Interaction of Spin-Polarized Atoms with a Surface Studied by Optical-Reflection Spectroscopy"

S. Grafström and D. Suter
"Optically Enhanced Magnetic Resonance for the Study of Atom-Surface Interaction"

"Relaxation Processes in Nonlinear Optical Polyimide Side-Chain Polymers"

"Relaxation Processes in Nonlinear Optical Polyimide Side-Chain Polymers"
C. Medrano, J. Hernández and H. Murrieta
"Luminescence and EPR Studies in KNbO$_3$ Doped Crystals"

C. Medrano, M. Zgonik, P. Bernasconi and P. Günter
"Phase Conjugation in Optical Communication Links with Photorefractive Fe:KNbO$_3$"
*Optics Communications* **128**, 177-184 (1996)

C. Medrano, M. Zgonik, I. Liakatas and P. Günter
"Infrared Photorefractive Effect in Doped KNbO$_3$ Crystals"

F. Pan, M.S. Wong, V. Gramlich, Ch. Bosshard and P. Günter
"Crystal Engineering Based on Short Hydrogen Bonds: Cocrystrallization of a Highly Nonlinear Optical Merocyanine Dye with Nitrophenol Derivatives"

F. Pan, M.S. Wong, V. Gramlich, Ch. Bosshard and P. Günter
"A Novel and Perfectly Aligned Highly Electro-Optic Organic Cocrystal of a Merocyanine Dye and 2,4-Dihydroxybenzaldehyde"

F. Pan, M.S. Wong, Ch. Bosshard and P. Günter
"Crystal Growth and Characterization of the Organic Salt 2-N,N-Dimethylamino-4'-N-Methyl-Stilbazolium Tosylate (DAST)"

F. Pan, G. Knöpfle, Ch. Bosshard, S. Follonier, R. Spreiter, M.S. Wong and P. Günter
"Electro-Optic Properties of the Organic Salt 4-N,N-Dimethylamino-4'-N'-Methyl-Stilbazolium Tosylate"

F. Pan, Ch. Bosshard, M.S. Wong, C. Serbutoviez, S. Follonier, P. Günter and K. Schenk
"Polymorphism, Growth and Characterization of a New Organic Nonlinear Optical Crystal: 4-Dimethylaminobenzaldehyde-4-Nitrophenylhydrazone (DANPH)"

F. Pan, M.S. Wong, Ch. Bosshard, P. Günter and V. Gramlich
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G. Ross, G. Montemezzani, P. Bernasconi, M. Zgonik and P. Günter
"Strong Ultraviolet Induced Absorption and Absorption Gratings in BaTiO$_3$"
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A. Schreyer, L. Eng and H. Böhni
"In Situ Scanning Tunneling Microscope Investigation of Passivation and Stainless Steels and Iron"

C. Serbutoviez, Ch. Bosshard, S. Follonier, G. Knöpfle, F. Pan and P. Günter
"Nonlinear Optical Properties of Hydrazone Derivatives"
D.E. Spence, S. Wielandy, C.L. Tang, Ch. Bosshard and P. Günter
"High Average Power, High-Repetition Rate Femtosecond Pulse Generation in the 1-
5 µm Region Using an Optical Parametric Oscillator"

Ch. Weder, P. Neuenschwander, U.W. Suter, Ph. Prêtre, Ph. Kaatz and
P. Günter
"New Polyamides with Large Second-Order Nonlinear Optical Properties"

Ch. Weder, M.S. Wrighton, R. Spreiter, Ch. Bosshard and P. Günter
"Effect of the Solid State Structure on the Third-Order Nonlinear Optical Response of
New Poly(2,5-dialkoxy-p-phenyleneethynylene)s"

M.S. Wong, U. Meier, F. Pan, V. Gramlich, Ch. Bosshard and P. Günter
"Five-Membered Heteroaromatic Hydrazine Derivatives for Second-Order Nonlinear
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M.S. Wong, J.-F. Nicoud, C. Runser, A. Fort, M. Barzoukas and E. Marchal
"Intramolecular Dipolar Coupling Enhancement of the First-Order Molecular Hyper-
polarizability in a Polar Solvent"

M.S. Wong, Ch. Bosshard, F. Pan and P. Günter
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"Cascading Nonlinearities in Optical Four-Wave Mixing"

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Ph. Delaye, A. Blouin, L.-A. de Montmorillon, I. Biaggio, D. Drolet, J.-P. Monchalin
and G. Roosen
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Effect"

T. Dietrich, R. Schlesser, Z. Sitar and P. Günter
"Growth of Organic Periodic Structures by Molecular Layer Deposition"

L. Eng, Ch. Seuret, M. Käpfer, H. Looser and P. Günter
"Optical and Structural Properties of Langmuir-Blodgett Films at the Air/Water and
the Air/Solid Interface"
Proceedings of ECASIA '95, Montreux, H.J. Mathieu, B. Reihl and D. Briggs (eds.),

D. Fluck, T. Pliska and P. Günter
"Compact Frequency Doubled Diode Laser at 491 nm"
Optical Society of America, 365-368 (1996)
D. Fluck, L. Beckers, P. Günter and Ch. Buchal
"Ion Implantation of Optical Electroceramics"

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"Phase-Matched Second-Harmonic Generation in Ion-Implanted KNbO₃ Channel Waveguides"

D. Fluck, T. Pliska, P. Günter, L. Beckers and Ch. Buchal
"Phase-Matched Second-Harmonic Generation in KNbO₃ Channel Waveguides"

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"A 10 mW Frequency Doubled Diode Laser at 491 nm"

D. Fluck, S. Brülisauer, P. Günter, L. Beckers and Ch. Buchal
"Ion-Implanted Photorefractive Waveguides"

R. Kind
"Basic Electronic Concepts in Pulsed NMR Spectroscopy"

R.J. Knize, B. Ai, D.S. Glassner, T. Takekoshi and I. Biaggio
"Optical Information Processing Utilizing Alkali-Metal Vapors"

Th. König, R. Kind and J. Dolinsek
"$^{87}$Rb 2D-Exchange NMR Investigation of the Cluster Dynamics in the Deuteron Glass D-RADP-50"

Th. König, R. Kind and Dolinsek
"Spin Diffusion at Room Temperature in the Deuteron Glass D-RADP-50 Observed by Exchange Difference NMR"

T. Marty
"Magnetic Field Dependence of the Vapor-Cell Zeeman Optical Trap"

Z. Sitar, F. Gittmans, W. Liu and P. Günter
"Homo and Heteroepitaxial Growth of LiTaO₃ and LiNbO₃ by MBE"
ORAL PRESENTATIONS 1996

L. Beckers, P. Leinenbach, S. Mesters, J. Schubert, W. Zander, J. Ziesmann,
Ch. Buchal, D. Fluck and P. Günter
"Epitaxial BaTiO$_3$ and KNbO$_3$ Thin Films on Various Substrates for Optical
Waveguide Applications"
Materials Research Society (MRS) 1996 Fall Meeting, Boston, Mass., USA, 2.-6.12.96

P. Bernasconi, I. Biaggio, M. Zgonik and P. Günter
"Anisotropy of Hole Drift Mobility in KNbO$_3$ and BaTiO$_3$"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled, SLO
26.-29.8.96

P. Bernasconi
"Ultraviolet Induced Photochromic and Photorefractive Effects in BaTiO$_3$"
CLEO/Europe-EQEC '96, Hamburg, D, 8.-13.9.96

I. Biaggio, R.W. Hellwarth and J.P. Partanen
"Mobility of Large Polarons in Bi$_2$SiO$_5$"
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* I. Biaggio, M. Ewart, H. Wüst, R. Ryf, S. Brüllsauer, D. Fluck, M. Zgonik and
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"Photorefractive Effect in KNbO$_3$ and KNbO$_3$ Waveguides in the Near-Infrared Spec-
tral Range"
Workshop of the Oxide Crystals Network, Balatonfüred, H, 25.-28.9.96

Ch. Bosshard
"Structure-Property Relationship in Nonlinear Optical Tetraethynylethenes"
Materials for Nonlinear Optics, Val Thorens, F, 14.-18.1.96

* Ch. Bosshard
"$\chi^{(2)}$- und $\chi^{(2)}$ - Effekte in Kristallen"
Universität Aachen, D, 24.1.96

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"Structure-Property Relationships in Nonlinear Optical Tetraethynylethenes"
Frühjahrstagung der DPG, Fachbereich Chemische Physik, Regensburg, D
25.-29.3.96

* Ch. Bosshard
"Nonlinear Optical and Electro-Optic Effects of Crystals and Polymers"
ERPOS-7, Polanica Zdrój, PL, 18.-22.6.96

Ch. Bosshard
"One- and Two-Dimensional Charge-Transfer Molecules"
CLEO/Europe-EQEC '96, Hamburg, D, 8.-13.9.96

Ch. Bosshard
"The Potential of Organic Crystals Based on Donor-Acceptor $\pi$-Conjugated Molecules
for a Large Third-Order Nonlinear Optical Response"
Third International Conference on Organic Nonlinear Optics (ICONO '3), Marco Is-
land, Florida, USA, 16.-20.12.96
Ch. Bosshard
"Nichtlinear optische Molekularkristalle: Neueste Entwicklungen"
Photonik Symposium, Stuttgart, D., 7.-9.10.96

Ch. Bosshard
"Nonlinear Optical Molecular Crystals: Newest Developments"
Symposium on Photonics and Organic Materials, CRELOL, University of Central Florida, Orlando, FL, USA, 13.12.96

R. Spreiter, Ch. Bosshard, F. Pan and P. Günter
"Fast Linear Electro-Optic Response in the Organic Salt DAST"
Third International Conference on Organic Nonlinear Optics (ICONO '3), Marco Island, Florida, USA, 16.-20.12.96

Ch. Bosshard
"Crystal Engineering for Nonlinear Optics: Self-Assembling of Merocyanine Dyes with Highly Optimized Chromophoric Alignments in Crystalline Solids"
Third International Conference on Organic Nonlinear Optics (ICONO '3), Marco Island, Florida, USA, 16.-20.12.96

S. Brülisauer
"Two-Beam Coupling in Proton-Implanted Fe-Doped KNbO₃ Waveguides at Telecommunication Wavelengths"
CLEO '96, Anaheim, California, USA, 2.-7.6.96

S. Brülisauer
"Proton-Implanted KNbO₃ Exhibits Net Photorefractive Gain at Telecommunication Wavelengths up to 1550 nm"
CLEO/Europe-EQEC '96, Hamburg, D., 8.-13.9.96

Ch. Buchal, L. Beckers, St. Bauer, D. Fluck, T. Pliska and P. Günter
"He Implanted Channel Waveguides of New Design for Efficient Blue Laser Light Generation"
Materials Research Society (MRS) 1996 Fall Meeting, Boston, Mass., USA 2.-6.12.96

J. Castillo, J. Hernandez, E. Camarillo, J. Hernandez and C. Medrano
"Cacterización Espectroscopica de Monocristales de KNbO₃:Cr"  
Mexican Physical Society Meeting, Oaxaca, Mexico, 16.-20.9.96

* L. Eng
"Optical and Structural Properties of Langmuir-Blodgett Films at the Air/Water and the Solid/Air Interface Investigated by Linear Optical, Nonlinear Optical and Scanning Force Microscopy"
University of Bern, Department of Chemical Physics, Bern, 16.1.96

* L. Eng
"Investigation of Ferroelectric Domain Walls by Scanning Force Microscopy"
University of Stuttgart, Stuttgart, D., 23.1.96

* L. Eng
"Ferroelectric Domains and Domain Boundaries Observed by Scanning Force Microscopy"
Symposium ISFD-4, Vienna, A., 25.-29.3.96
L. Eng
"Addressing Scanning Force Microscopy to Ferroelectric Surfaces and Liquid/Air Interfaces: Novel SFM Applications"
European Topometrix Workshop, Lyon, F, 14.5.96

L. Eng
University of Basel, Basel

L. Eng
"Optical and Structural Properties of Langmuir-Blodgett Films at the Air/Water and the Solid/Air Interface Investigated by Linear Optical, Nonlinear Optical and Scanning Force Microscopy"
American Chemical Society National Meeting, Orlando, FL, USA, 25.-30.8.96

L. Eng
"Voltage Modulated Scanning Force Microscopy of Ferroelectric Domains"
Herbsttagung der SPG, Zürich, 10.10.96

L. Eng
"Ferroelectric Domains and Domain Boundaries Observed by Scanning Force Microscopy"
Herbsttagung der SPG, Zürich, 11.10.96

L. Eng
"Tapping Mode Scanning Electrochemical Microscopy for Local Electrochemistry and Lithography"
ESM Project Meeting, Zürich, 9.12.96

M. Ewart, M. Zgonik and P. Günter
"Reduction - Oxydation Treatment of Photorefractive KNbO3"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled,SLO, 26.-29.8.96

M. Ewart
"Nanosecond Optical Response to Pulsed Ultraviolet Excitation in KNbO3"
CLEO/Europe-EQEC '96, Hamburg, D, 8.-13.9.96

D. Fluck
"A 10 mW Frequency-Doubled Diode Laser at 491 nm"
Advanced Solid State Lasers, San Francisco, California, USA, 31.1.-3.2.96

D. Fluck
"Phase-Matched Second-Harmonic Generation in Ion-Implanted KNbO3 Channel Waveguides"
Advanced Solid State Lasers, San Francisco, California, USA, 31.1.-3.2.96

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"Cascaded Lens Waveguiding for Efficient Second-Harmonic Generation in KNbO3"
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D. Fluck
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30.8.-1.9.96
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"Phase-Matched Second-Harmonic Generation in KNbO₃ Channel Waveguides"
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* D. Fluck
"Photorefractive KNbO₃ Waveguides at 1.3 µm and 1.5 µm"
Workshop on Ferroelectric Integrated Optics, St. Martin Vésuble, F, 3.-6.9.96

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"Efficient Blue Light Generation by Frequency Doubling and Sum-Frequency Mixing of Laser Diodes in KNbO₃"
CLEO/Europe-EQEC '96, Hamburg, D, 8.-13.9.96

S. Follonier
"A New Nonlinear Optical Organic Crystal: 4-Dimethyl-aminobenzaldehyde-4-nitrophenyl-hydrazone (DANPH)"
Materials for Nonlinear Optics, Val Thorens, F, 14.-18.1.96

S. Follonier
"Photorefractive Properties of an Organic Salt"
CLEO/Europe-EQEC '96, Hamburg, D, 8.-13.9.96

* P. Günter
"The Photorefractive Effect"
(Distinguished Lecture Series on "Photorefractive Effects, Materials and Applications")
CREOL, University of Central Florida, Orlando, FL, USA, 17.1.96

* P. Günter
"Applications in Dynamic Holography and Optical Storage"
(Distinguished Lecture Series on "Photorefractive Effects, Materials and Applications")
CREOL, University of Central Florida, Orlando, FL, USA, 22.1.96

* P. Günter
"Photorefractive Effects in Waveguides"
(Distinguished Lecture Series on "Photorefractive Effects, Materials and Applications")
CREOL, University of Central Florida, Orlando, FL, USA, 29.1.96

* P. Günter
"Organic Crystals and Langmuir-Blodgett Films for Nonlinear Optics"
(Distinguished Lecture Series on "Photorefractive Effects, Materials and Applications")
CREOL, University of Central Florida, Orlando, FL, USA, 5.2.96

* P. Günter
"Study and Development of Wave Front Reversing Mirrors"
European Space Agency (ESA), Noordwijk, NL, 26.2.96

* P. Günter
"The Photorefractive Effect in Inorganic and Organic Materials"
Workshop on "Photorefractive Materials and Applications", Tokyo University, Tokyo, Japan, 11.3.96
* P. Günter
"Novel Nonlinear Optical Organic Crystals"
Lecture Series on "Organic Nonlinear Optical and Photorefractive Materials and Applications" at RIKEN Institute, Wako, Saitama, Japan, 12.3.96

* P. Günter
"Novel Nonlinear Optical Organic Molecules"
Lecture Series on "Organic Nonlinear Optical and Photorefractive Materials and Applications" at RIKEN Institute, Wako, Saitama, Japan, 13.3.96

* P. Günter
"Guided-Wave Nonlinear Optics in Langmuir-Blodgett Films and Electro-Optics in Poled Polymers"
Lecture Series on "Organic Nonlinear Optical and Photorefractive Materials and Applications" at RIKEN Institute, Wako, Saitama, Japan, 18.3.96

* P. Günter
"Introduction to Photorefractive Effects and Materials"
Lecture Series on "Organic Nonlinear Optical and Photorefractive Materials and Applications" at RIKEN Institute, Wako, Saitama, Japan, 19.3.96

* P. Günter
"Optical Parallel Processing and Dynamic Holography"
Lecture Series on "Organic Nonlinear Optical and Photorefractive Materials and Applications" at RIKEN Institute, Wako, Saitama, Japan, 21.3.96

* P. Günter
"Guided-Wave Photorefractive Effects and Associative Optical Memories"
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* P. Günter
"KNbO₃ Crystals, Waveguides and Thin Films for Optical Frequency Doubling"
University of Osaka, Osaka, Japan, 1.4.96

* P. Günter
"Blue-Green Solid State Lasers Using KNbO₃ Waveguides"
Shimadzu Corp., Kyoto, Japan, 3.4.96

* P. Günter, G. Montemezzani
"Hologram Recording in KNbO₃ at Wavelengths Between 350 and 1550 nm"
International Symposium on Holographic Memories '96, Vouliagmeni, Athens, GR, 12.5.96

* P. Günter
"Organic and Inorganic Photoreactive Materials"
Seminar, Centre d'Etudes Nucléaires de Saclay, F, 3.6.96

* P. Günter
"The Photorefractive Effect: Physics, Materials and Potential Applications"
Seminar, Institut d'Optique, Université Paris-Sud, Orsay, F, 4.6.96

* P. Günter
"Photorefractive Effects and Materials"
Seminar, Ecole Polytechnique, Palaiseau, F, 12.6.96

* P. Günter
"Research on Nonlinear Optical Crystals and Polymers"
Centre National d'Etude en Télécommunication (CNET), Bagneux, F, 14.6.96
* P. Günter
"Photorefractive Effects in KNbO₃ from 350 nm to 1550 nm"
Thomson-CSF, Central Research Laboratory, Orsay, F, 17.6.96

* P. Günter
"Optical Frequency Conversion in KNbO₃ Crystals and Waveguides" 
Thomson-CSF, Central Research Laboratory, Orsay, F, 17.6.96

* P. Günter
"Novel High Nonlinearity Molecular Crystals"
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* P. Günter
"Novel Organic Molecular Crystals for Nonlinear Optics"
European Conference on Polar Dielectrics (ECAPD-3), Bled, SLO, 29.8.96

* P. Günter
"Organic and Inorganic Photorefractive Materials"
CLEO '96 Conference on Lasers and Electro-optics, Hamburg, D, 12.9.96

* P. Günter
"Nonlinear Optical and Electro-Optical Polymers"
Materialwissenschaftliches Kolloquium, Technische Universität Braunschweig, D, 7.11.96

* P. Günter
"Blaue und abstimmbare Laser mit KNbO₃ Kristallen und Wellenleitern"
Optique II, Neuchâtel, 21.11.96

R. Kind
"Cluster Dynamics in the Deuteron Glass D-RADP-50: A 2D-NMR-Study"
Symposium ISFD-4, Wien, A, 25.-30.3.96

R. Kind
"₈⁷Rb 2D-Exchange NMR Investigation of the Cluster Dynamics in the Deuteron Glass D-RADP-50"
28th AMPERE Congress, Canterbury, Kent, UK, 1.-6.9.96

* R. Kind
"Basic Electronic Concepts in Pulsed NMR Spectroscopy I-III"
AMPERE Summer Institute, Portoroz, SLO, 8.-14.9.96

* R. Kind
"2D-Exchange Spectroscopy in the Proton Glass D-RADP-50 Compared with 2D-Exchange Model Calculations"
J. Stefan Institute, Ljubljana, SLO, 12.12.96

Th. König
"Spin Diffusion at Room Temperature in the Deuteron Glass D-RADP-50 Observed by ²³⁷Rb 2D-Exchange Spectroscopy"
28th AMPERE Congress, Canterbury, Kent, UK, 1.-6.9.96

Th. König
"Spin Diffusion at Room Temperature in the Deuteron Glass D-RADP-50 Observed by ²³⁷Rb 2D Exchange Difference NMR"
AMPERE Summer Institute, Portoroz, SLO, 8.-14.9.96
Th. Marty
"Magnetic Field Dependence of the Vapor-Cell Zeeman Optical Trap"
Herbsttagung der SPG, Zürich, 10.10.96

* C. Medrano, M. Zgonik and P. Günter
"Photorefractive Effect in Doped KNbO$_3$ Crystals"
"Workshop on Nonlinear Materials", Tokyo University, Tokyo, Japan, 11.3.96

C. Medrano, M. Zgonik, K. Kitamura and P. Günter
"Photorefractive Effect in KNbO$_3$ Crystals in the Near Infrared Spectral Range"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled,SLO, 26.-29.8.96

U. Meier
"Five-Membered Heteroaromatic Hydrazone Derivatives for Second-Order Nonlinear Optics"
CLEO/Europe-EQEC ’96, Hamburg, D, 8.-13.9.96

G. Montemezzani, M. Zgonik and P. Günter
"Photorefractive Effects in Inorganic and Organic Materials"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled,SLO, 26.-29.8.96

G. Montemezzani
"Ultraviolet Induced Photochromic and Photorefractive Effects in BaTiO$_3$"
CLEO/Europe-EQEC ’96, Hamburg, D, 8.-13.9.96

F. Pan
"Electrooptical Properties of the Organic Salt 4-N,N-Dimethylamino-4’-N’-Methyl-Stilbazolium Tosilate (DAST)"
Materials for Nonlinear Optics, Val Thorens, F, 14.-18.1.96

F. Pan
"Strong Hydrogen Bonds as a Design Element for Crystal Engineering - CO-Crystal-
liization of a Highly Nonlinear Optical Merocyanine Dye with Phenol Derivatives" ERPOS-7, Polanica Zdroj, PL, 18.-22.6.96

H. Pierböfer
"New Semiconducting Substrate for Heteroepitaxial Growth of K$_{1.3}$Na$_{1.3}$Ta$_{1.8}$Nb$_3$O$_{17}$ (KNTN)"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled,SLO, 26.-29.8.96

T. Pliska
"Efficient Blue Light Second-Harmonic Generation Using Ion-Implanted KNbO$_3$ Channel Waveguides"
3rd European Conference on Applications of Polar Dielectrics, ECAPD-3, Bled,SLO, 26.-29.8.96

T. Pliska
"Ion-Implanted KNbO$_3$ Channel Waveguides for Efficient Blue Light Second-Harmonic Generation"
CLEO/Europe-EQEC ’96, Hamburg, D, 8.-13.9.96

I. Poberaj
"Study and Development of Wave Front Reversing Mirrors"
European Spacial Agency (ESA), Noordwijk, NL, 26.2.96
I. Poberaj
"Phase Conjugation"
Breadboarding of Critical Lidar Technologies CCN, Working Meeting 4, Cannes F, 29.2.96

I. Poberaj
"Study and Development of Wavefront Reversing Mirrors"
European Spacial Agency (ESA), Noordwijk, NL, 14.3.96

I. Poberaj, M. Zgonik
"Master Oscillator Power Amplifier with SBS Wavefront Correction"
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Ch. Seuret
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R. Spreiter
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Y. Tao
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* M. Zgonik
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