

Markenerteilungen 2013 | Trademarks 2013

3Dsensation

DE 30 2013 042 128.0

efficient design

DE 30 2013 038 291.9

Gebrauchsmustererteilungen 2013 | Utility Model 2013

Kley, E.-B.; Schulze, M. (IAP)

Optisches Element mit einer Antireflexbeschichtung

DE 20 2011 110173 U1

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Bücher | Books

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Hole formation process in ultrashort pulse laser percussion drilling

Lasers in Manufacturing conference, 12. Mai - 16. Mai 2013, München, Germany

Döring, S.; T. Ullsperger, S. Richter, A. Tünnermann, S. Nolte

Analysis of the hole formation in ultrashort pulse laser deep drilling. DPG

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Dreisow, F.; S. Richter, F. Zimmermann, R. Keil, M. Heinrich, R. Heilmann, A. Szameit, S. Nolte

Ultrafast Laser Proceeding of Transparent Materials

EuroMAT 2013, Sevilla, Spain, 9. Sep - 13. Sep 2013

Dunkel, Jens; Brückner, Andreas; Reimann, Andreas; Wippermann, Frank; Bräuer, Andreas

Flachbauende Multiaperturkameras mit Freiformarrays hergestellt in Wafer Level Technologie

Mikrosystemtechnik Kongress 2013 (MST), 14.-16.10.2013, Aachen, Germany

Proceedings Mikrosystemtechnik Kongress (MST) (2013) S. 143-145, ISBN 978-3-8007-3555-6

Dunkel, Jens; Wippermann, Frank; Brückner, Andreas; Reimann, Andreas; Bräuer, Andreas

Fabrication of an array-like freeform molding tool for UV-replication using a step and repeat process

SPIE Microtechnologies, 24.-26.4.2013, Grenoble, France

SPIE Proceedings Vol. 8763 (2013) 876330, ISBN 9780819495600

Dunkel, Jens; Wippermann, Frank; Brückner, Andreas;
Reimann, Andreas; Bräuer, Andreas

Fabrication of a refractive freeform array master for UV-replication of artificial compound eye cameras on wafer level

3rd EOS Conference on Manufacturing of Optical Components (EOSMOC 2013), 13.-15.5.2013, Munich, Germany

Duparré, Angela

Measurement Problem

Optical Interference Coatings (OIC), 16.-21.6.2013, Whistler, Canada

Duparré, Angela

Light scattering techniques for efficient surface quality control

SPIE Optical Metrology 2013, 13.-16.5.2013, Munich, Germany

Eichelkraut, T.; R. Heilmann, S. Stützer, S. Nolte, A. Szameit
Sharp Transition between ballistic and diffusive Transport in PT-symmetric Media

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Eichelkraut, T.; R. Heilmann, S. Weimann, S. Stützer, A. Szameit

Mobilitytransition in non-Hermitian lattices: diffusion vs. ballistic transport

546. WE-Heraeus-Seminar on "Light in disordered Photonic Media", 2. Dez - 4. Dez 2013, Bad Honnef, Germany

Eidam, T.; C. Jauregui, F. Jansen, F. Stutzki, H.-J. Otto, J. Limpert, A. Tünnermann

High-power fiber designs

540. WE-Heraeus-Seminar: Modern Concepts of Continuous Wave and Pulsed High Power Lasers, 15. Jul - 17. Jul 2013, Bad Honnef, Germany

Eidam, T.; C. Jauregui, H.-J. Otto, F. Jansen, F. Stutzki, J. Limpert, A. Tünnermann

Mode instabilities in large-mode-area fiber amplifiers
CLEO/Europe and EQEC 2013 Conference Digest, München, Germany, 12. Mai - 16. Mai 2013

Eidam, T.; S. Breitkopf, A. Klenke, T. Schreiber, J. Limpert, A. Tünnermann

Faserverstärker für ultrahohe Pulsspitzen- und Durchschnittsleistungen

DPG Spring Meeting, Jena, Germany, 25. Feb - 1. Mrz 2013

Eilenberger, F.; K. Prater, S. Minardi, T. Pertsch

Discrete Light Bullet Vortices

Workshop on Nonlinear Photonics, Sudak, Ukraine, 10. Sep - 11. Sep 2013

Eilenberger, F.; S. Minardi, F. Lederer, J. Kobelke, K. Schuster, Y. Kartashov, L. Torner, U. Peschel, T. Pertsch

Nonlinear spatio-temporal dynamics in microstructured fibers

Nonlinear Schrödinger Equation: Theory and Applications, Heraklion, Greece, 20. Mai - 24. Mai 2013

Eilenberger, F.; A. Brown, S. Minardi, T. Kaiser, T. Pertsch

Imaging cross-correlation FROG: retrieval of ultrashort, complex, spatiotemporal fields

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Eilenberger, F.; I. Kabakova, C. de Sterke, B. Eggleton, T. Pertsch

Cavity Optical Pulse Extraction: A Novel, Ultrashort Light Source Based on Nonlinearly Seeded Hawking Radiation

Nonlinear Optics, 21. Jul - 26. Jul 2013, Kohala Hawaii, USA

Eilenberger, F.; K. Prater, S. Minardi, U. Röpke, J. Kobelke, K. Schuster, H. Bartelt, S. Nolte, T. Pertsch

Vortex Light Bullets in Fibre Arrays - Properties, Decay and Experimental Schemes

CLEO Europe, 12. Mai - 16. Mai 2013, Munich, Germany

Eilenberger, F.; M. Bache, S. Minardi, T. Pertsch

Pressure tunable cascaded third order nonlinearity and temporal pulse switching

CLEO Europe, 12. Mai - 16. Mai 2013, Munich, Germany

Feigl, Torsten; Perske, Marco; Pauer, Hagen; Fiedler, Tobias; Yulin, Sergiy; Kaiser, Norbert; Tünnermann, Andreas; Böwering, Norbert R.; Ershov, Alex I.; Dea, Silvia de; Hoffmann, Kay; Fontaine, Bruno la; Fomenkov, Igor V.; Brandt, David

Lifetime and refurbishment of multilayer LPP collector mirrors

SPIE Advanced Lithography, 24.-28.2.2013, San Jose, CA, USA
SPIE Proceedings Vol. 8679 (2013) 86790C, ISBN 9780819494610

Feigl, Torsten; Perske, Marco; Pauer, Hagen; Fiedler, Tobias; Yulin, Sergiy; Kaiser, Norbert; Böwering, Norbert; Hoffmann, Kay

Refurbishment of damaged multilayer collector mirrors for EUV lithography

SPIE Optics + Optoelectronics, 15.-18.4.2013, Prague, Czech Republic

Finck, Alexander von; Herfurth, Tobias; Schröder, Sven;
Duparré, Angela

Compact light scatter techniques for optical coatings

Optical Interference Coatings (OIC), 16.-21.6.2013, Whistler,
Canada

Proceedings Optical Interference Coatings (OIC) (2013) ThD.9,
ISBN 978-1-55752-970-1

Floreano, Dario; Pericet-Camara, Ramon; Viollet, Stéphane;
Ruffier, Franck; Brückner, Andreas; Leitel, Robert; Buss, Wolf-
gang; Menouni, Mohsine; Expert, Fabien; Juston, Raphael;
Dobrzynski, Michal K.; L'Eplattenier, Geraud; Recktenwald,
Fabian; Mallot, Hanspeter A.; Franceschini, Nicolas

Miniature curved artificial compound eyes

Proceedings of the National Academy of Sciences of the
United States of America (PNAS) 110 (2013) 23, 9267-9272

Franke, Christian; Gäbler, Johannes; Wilbrandt, Steffen;
Stenzel, Olaf; Schürmann, Mark; Kaiser, Norbert

Adapted tools for accurate deposition of complex optical coatings in an inline sputter-system: computational manufacturing and optical broadband monitoring system

19th International Vacuum Congress IVC-19, 9.-13.9.2013,
Paris, France

Geiss, R.; H. Hartung, S. Dizian, M. Steinert, F. Schrepel, E.
B. Kley, T. Pertsch, A. Tünnermann

Freestanding Photonic Crystals in Lithium Niobate

Conference on electron, ion, and photon beam technology
and nanofabrication (EIPBN), 28. Mai - 31. Mai 2013, Nash-
ville, USA

Gerth, Carsten; Dietz, Roman; Brahm, Anika; Notni, Gunther;
Tünnermann, Andreas

Highly efficient terahertz photoconductive switch at 1060 nm excitation wavelength for multichannel THz system

IRMMW-THz 2013 – 38th International Conference on
Infrared, Millimeter and Terahertz Waves, 1.-6.9.2013, Mainz,
Germany

Proceedings IRMMW-THz – 38th International Conference on
Infrared, Millimeter and Terahertz Waves (2013) Tu6-2

Giree, A.; C. Jauregui, J. Limpert, A. Tünnermann

Widely tunable parametric generation of picosecond visible and mid-infrared radiation in optical fibers

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Fran-
cisco, USA

SPIE Proceedings Vol. 8604 (2013) 86040K, ISBN
9780819493736

Gleason, Benn; Wachtel, Peter B.; Musgraves, Jonathan David;
Steinkopf, Ralf; Eberhardt, Ramona; Richardson, Kathleen A.

Chalcogenide – Mold interactions during Precision Glass Molding (PGM) of GeAsSe glasses

SPIE Proceedings Vol. 8884 (2013) 88841U, ISBN
9780819497475

Gottschall, T.; M. Baumgartl, M. Chemnitz, J. Abreu-Afonso, T.
Meyer, B. Dietzek, J. Popp, J. Limpert, A. Tünnermann

All-fiber laser source for CARS-Microscopy

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai -
16. Mai 2013, München, Germany

Gottschall, T.; T. Meyer, M. Baumgartl, B. Dietzek, J. Popp, J.
Limpert, A. Tünnermann

Fiber based optical parametric oscillator for high fidelity coherent anti-stokes Raman (CARS) microscopy

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013,
Paris, France

von Grafenstein, L.; S. Breikopf, A. Klenke, T. Eidam, I.
Pupeza, H. Carstens, S. Holzberger, E. Fill, J. Limpert, A.
Tünnermann

Ultra-long enhancement cavities as a promising approach to raise femtosecond lasers to a new level of output parameters

540. WE-Heraeus-Seminar: Modern Concepts of Continuous
Wave and Pulsed High Power Lasers, 15. Jul - 17. Jul 2013,
Bad Honnef, Germany

Gräfe, M.; A. S. Solntsev, R. Keil, A. Tünnermann, S. Nolte, A.
A. Sukhorukov, Y. S. Kivshar, A. Szameit

Photon pair generation in quadratic waveguide arrays: A classical optical simulation

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Gräfe, M.; R. Heilmann, R. Keil, T. Eichelkraut, M. Heinrich, S.
Nolte, A. Szameit

Indistinguishable particles in non-Hermitian lattices and their correlations

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Gräfe, M.; R. Heilmann, R. Keil, T. Eichelkraut, M. Heinrich, S.
Nolte, A. Szameit

Indistinguishable particles and their correlations in non-Hermitian lattices

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Großmann, Constanze; Pertenais, Martin; Notni, Gunther; Tünnermann, Andreas

A novel concept of a vein viewer based on a bidirectional OLED microdisplay

SID Display Week 2013, 19.-24.5.2013, Vancouver, Canada
SID Symposium Digest of Technical Papers 44 (2013) p. 142-145, ISSN 0082-0830

Guilhot, Denis A.; Gilaberte, Marta; Ferrando, Sara; Ribes, Pol; Montes, David; Galan, Miguel; Burkhardt, Thomas; Beckert, Erik; Hornaff, Marcel

Miniaturized frequency doubled DPSS assembled using solderjet bumping technology

Smart Systems Integration Conference (SSI 2013), 13.-14.3.2013, Amsterdam, Netherlands
Proceedings Smart Systems Integration Conference (SSI 2013) (2013), ISBN 978-3-8007-3490-0

Gutzeit, Nam; Appelfelder, Michael; Reinlein, Claudia; Fischer, Michael; Müller, Jens

LTCC Membrane mit integrierter Heizern, Temperatur- und Dehnungssensoren (LTCC membrane with integrated heaters, temperature sensors and strain gauges)

Mikrosystemtechnik Kongress 2013 (MST), 14.-16.10.2013, Aachen, Germany
Proceedings Mikrosystemtechnik Kongress (MST) (2013) S. 279-282, ISBN 978-3-8007-3555-6

Haarlammert, N.; M. Rekas, O. de Vries, A. Kliner, A. Liem, T. Schreiber, R. Eberhardt, A. Tünnermann,

Polarization dependent nonlinear limitations in continuous-wave high power fiber amplifiers

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA
SPIE Proceedings Vol. 8601 (2013) 86012W, ISBN 9780819493705

Hädrich, S.; A. Klenke, A. Hoffmann, T. Eidam, T. Gottschall, J. Rothhardt, J. Limpert, A. Tünnermann

135 W, 0.5 mJ, sub-30 fs Pulses Obtained by Nonlinear Compression of Coherently Combined Fiber CPA

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Hädrich, S.; J. Rothhardt, M. Krebs, S. Demmler, J. Limpert, A. Tünnermann

Signatures of atomic resonances in atomic gas high harmonic generation

4th International Conference on Attosecond Physics, 8. Jul - 12. Jul 2013, Paris, France

Hädrich, S.; J. Rothhardt, S. Demmler, M. Krebs, J. Limpert, A. Tünnermann

High Repetition Rate Carrier-envelope Phase Stable Few-cycle OPCPA for Strong Field Physics

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Hädrich, S.; M. Krebs, J. Rothhardt, S. Demmler, L. Chipperfield, A. Zair, J. Limpert, A. Tünnermann

Megahertz repetition rate isolated attosecond pulse generation

Ultrafast Optics IX, 4. Mrz - 11. Mrz 2013, Davos, Switzerland

Hashimoto, F.; S. Richter, S. Nolte, Y. Ozeki, K. Itoh

Measurement of temperature dynamics by time-resolved micro-Raman spectroscopy during high repetition rate ultrafast laser microprocessing

Japan Spring Meeting, 27. Mrz - 30. Mrz 2013, Kanagawa, Japan

Hashimoto, F.; S. Richter, S. Nolte, Y. Ozeki, K. Itoh

Time-resolved micro-Raman measurement of temperature dynamics during high-repetition-rate ultrafast laser microprocessing

International Congress on Laser Advanced Materials Processing, 23. Jul - 26. Jul 2012, Niigata, Japan

Heilmann, R.; R. Keil, S. Nolte, A. Szameit

Generalized directional coupling for high-precision manipulation of the optical phase for classical and quantum light

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Heinert, D.; S. Kroker, D. Friedrich, S. Hild, E.-B. Kley, S. Leavey, I. W. Martin, R. Nawrodt, A. Tünnermann, S. P. Vyatchanin, K. Yamamoto

Thermal noise in grating reflectors

Gravitational Wave Advanced Detectors for the next Decade Workshop, 19. Mai - 25. Mai 2013, Biodola, Italy

Heinrich, M.; F. Eilenberger, R. Keil, F. Dreisow, E. Suran, F. Louradour, A. Tünnermann, T. Pertsch, S. Nolte, A. Szameit

Optical limiting and spectral stabilization in segmented photonic lattices

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Heinrich, M.; M. Miri, S. Stützer, R. El-Ganainy, S. Nolte, A. Szameit, D.N. Christodoulides

1D optical SUSY structures for selective mode filtering

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Heinrich, M.; M. Miri, S. Stützer, R. El-Ganainy, S. Nolte, A. Szameit, D.N. Christodoulides

Supersymmetric optics: Continuous and discrete 1D structures for selective mode filtering

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Heist, Stefan; Sieler, Marcel; Breitbarth, Andreas; Kühmstedt, Peter; Notni, Gunther

High-speed 3D shape measurement using array projection

SPIE Optical Metrology 2013, 13.-16.5.2013, Munich, Germany

SPIE Proceedings Vol. 8788 (2013) 878815, ISBN 9780819496041

Heist, Stefan; Sieler, Marcel; Kühmstedt, Peter; Notni, Gunther

High-speed 3D shape measurement using an array projector

Fringe 2013, 7th International Workshop on Advanced Optical Imaging & Metrology, 8.-11.9.2013, Nürtingen, Germany

Wolfgang Osten (Ed.), Proceedings Fringe 2013, 7th International Workshop on Advanced Optical Imaging & Metrology (2013) p. 835-838, ISBN 978-3-642-36358-0

Herffurth, Tobias; Trost, Marcus; Schröder, Sven; Täschner, Kerstin; Bartzsch, Hagen; Frach, Peter; Duparré, Angela; Tünnermann, Andreas

Roughness and optical losses of rugate coatings

Optical Interference Coatings (OIC), 16.-21.6.2013, Whistler, Canada

Proceedings Optical Interference Coatings (OIC) (2013) WD.9, ISBN 978-1-55752-970-1

Heusinger, Martin; Paul, Thomas; Zeitner, Uwe Detlef

Line defects and their influence on the performance of optical gratings

546. WE-Heraeus-Seminar: Light in disordered Photonic Media, 2.-4.12.2013, Bad Honnef, Germany

Hübner, Uwe; Zeitner, Uwe Detlef; Banasch, Michael; Harzen-dorf, Torsten; Dietrich, Kay; Kley, Ernst-Bernhard

Fast character projection e-beam lithography for photonic nanomaterials

39th International Conference on Micro and Nano Engineering (MNE), 16.-19.9.2013, London, UK

Hübner, U.; M. Ziegler, E. Pshenay-Severin, R. Alae, C. Menzel, C. Rockstuhl, T. Pertsch

Exploiting extreme coupling to realize a metamaterial perfect absorber

International Conference on Electron, Ion, and Photon Beam Technology & Nanofabrication 2013, Nashville, Tennessee, USA, 28. Mai - 31. Mai 2013

Jansen, Florian; Stutzki, Fabian; Jauregui, Cesar; Limpert, Jens; Tünnermann, Andreas

Improved delocalization of higher-order modes in large-pitch fibers by breaking the symmetry

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Proceedings Advanced Solid State Lasers, OSA Technical Digest (2013) ATu3A.07, ISBN 978-1-55752-982-4

Jansen, F.; F. Stutzki, H.-J. Otto, C. Jauregui, J. Limpert, A. Tünnermann

Temperature as a guiding mechanism for high-power very-large-mode-area active fibers

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Jansen, F.; F. Stutzki, H.-J. Otto, C. Jauregui-Misas, J. Limpert, A. Tünnermann

Thermally guiding high-power active fibers

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Jauregui, Cesar; Otto, Hans-Jürgen; Jansen, Florian; Stutzki, Fabian; Eidam, Tino; Limpert, Jens; Tünnermann, Andreas

Mode instabilities: physical origin and mitigation strategies

SPIE Proceedings Vol. 8601 (2013) 86010F, ISBN 9780819493705

Jauregui, C.; F. Stutzki, F. Jansen, J. Limpert, A. Tünnermann

Laser-Induced Efficiency Improvement for Thulium-doped Fiber Laser Systems

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Proceedings Application of Lasers for Sensing & Free Space Communication (LS&C), OSA Technical Digest (2013)

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Jauregui, C.; H.-J. Otto, F. Jansen, F. Stutzki, T. Eidam, J. Limpert, A. Tünnermann

Mode instabilities: physical origin and mitigation strategies

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Jauregui, C.; H.-J. Otto, F. Stutzki, F. Jansen, J. Limpert, A. Tünnermann

On the power threshold of mode instabilities

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Jauregui, Cesar; Otto, Hans-Jürgen; Stutzki, Fabian; Jansen, Florian; Limpert, Jens; Tünnermann, Andreas

Recent progress in the understanding and mitigation of mode instabilities

Proceedings Frontiers in Optics (FiO 2013), OSA Technical Digest (2013) FW2A.1, ISBN 978-1-55752-987-9

Jocher, C.; C. Jauregui, C. Voigtländer, F. Stutzki, S. Nolte, M. Becker, M. Rothhardt, J. Limpert, A. Tünnermann

Faserbasierte Filterung von azimutal und radial polarisierter Strahlung

DPG AMOP, 18. Mrz - 22. Mrz 2013, Hannover, Germany

Jocher, C.; C. Jauregui, M. Becker, M. Rothhardt, J. Limpert, A. Tünnermann

Radial and azimuthal polarized all-fiber Raman oscillator

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Jobst, Paul Johannes; Schürmann, Mark; Kaiser, Norbert

Polishable silicon coatings for the manufacturing of ultra-precise optical components

537. Wilhelm und Else Heraeus Seminar „Physics of Ionized- and Ion-Assisted PVD: Principles and Current Trends“, 26.-28.6.2013, Dresden, Germany

Jocher, Christoph; Eidam, Tino; Hädrich, Steffen; Limpert, Jens; Tünnermann, Andreas

23 fs pulses at 250 W of average power from a FCPA with solid core nonlinear compression

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8601 (2013) 86011F, ISBN 9780819493705

Kaiser, Norbert

Design optischer Schichtsysteme

OTTI Fachforum Schichten auf Glas, 25.-26.6.2013, Regensburg, Deutschland

Kaiser, Norbert

Die Bedeutung dünner Schichten für die Optischen Technologien

OTTI Seminar Optische Technologien – vom Design zum Produkt, 20.-21.2.2013, Regensburg, Deutschland

Kaiser, Norbert

Funktionale optische Oberflächen und Schichten – Trends und Herausforderungen

Seminar Institut für Silizium-Photovoltaik, 17.1.2013, Berlin, Deutschland

50 Jahre F.O.M, 7.-8.11.2013, Berlin, Deutschland

Kaiser, Norbert

New developments in optical coating design and practice

17th European OptiLayer Workshop on Optical Coatings for Modern Applications, 11-13.3.2013, Jena, Germany

Kaiser, Norbert

Plasma und optische Technologien: PluTO

DPG-Frühjahrstagung der Fachverbände Plasmaphysik und Kurzzeitphysik, Symposium Plasma und optische Technologien (SYPT), 25.2.-1.3.2013, Jena, Deutschland

Kaiser, Norbert

The simplest most undivided most homogenous being that we know

Optical Interference Coatings (OIC), 16.-21.6.2013, Whistler, Canada

Kaiser, T.; S. Diziain, C. Helgert, C. Rockstuhl, T. Pertsch

Plasmonic nanoparticle interaction in hybrid plasmonic-dielectric waveguides

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Kalkowski, Gerhard; Fabian, Simone; Rothhardt, Carolin;

Zeller, Paul; Risse, Stefan

Silicate and direct bonding of low thermal expansion materials

SPIE Proceedings Vol. 8837 (2013) 88370U, ISBN 9780819496874

Kalkowski, Gerhard; Fuchs, Frank; Risse, Stefan; Zeitner, Uwe Detlef

Direct Bonding of TiO₂-coated fused silica for optical applications

WaferBond 2013, 5.-6.12.2013, Stockholm, Sweden

Kammel, R.; R. Ackermann, A. Tünnermann, S. Nolte

Pump-probe investigation of fs-LIOB in water by simultaneous spatial and temporal focusing

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8611 (2013) 86110A, ISBN 9780819493804

Keil, R.; A. Perez-Leija, A. Kay, H. Moya-Cessa, S. Nolte, L.-C. Kwek, B. M. Rodriguez-Lara, A. Szameit, D. N. Christodoulides

Coherent quantum transport in waveguide lattices

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Keil, R.; J. M. Zeuner, F. Dreisow, M. Heinrich, A. Tünnermann, S. Nolte, A. Szameit

Long-range correlations and the random mass Dirac model on an integrated optical platform

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Keil, R.

Quantum random walks in waveguide lattices

Artificial Graphene Meeting, Cuernavaca, Mexico, 25. Nov - 6. Dez 2013

Keil, R.; K. Poullos, D. Fry, J. D. A. Meinecke, J. C. F. Matthews, A. Politi, M. Gräfe, M. Heinrich, S. Nolte, J. L. O'Brien, A. Szameit

Two-dimensional integrated quantum walks of correlated photon pairs

22nd International Laser Physics Workshop, Prague, Czech Republic, 15. Jul - 19. Jul 2013

Kemper, Falk; Eberhardt, Ramona; Beckert, Erik; Tünnermann, Andreas; Plentz, Jonathan; Andrä, Gundrun

Inkjet printed silver back contacts for flexible amorphous silicon thin-film solar cells on glass fiber fabrics

5th Printing Future Days, 10.-12.9.2013, Chemnitz, Germany
Proceedings 5th Printing Future Days (2013) p. 305-310, ISBN 978-3-86135-624-0

Kienel, M.; A. Klenke, S. Breilkopf, M. Baumgartl, T. Eidam, J. Limpert, A. Tünnermann

Passive Coherent Beam Combining of Temporally Cascaded Pulses

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Kienel, M.; A. Klenke, S. Breilkopf, T. Eidam, C. Jauregui, J. Limpert, A. Tünnermann

Fiber Amplifier CPA System using Divided-Pulse Amplification for multi-mJ Extraction

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Kienel, M.; A. Klenke, S. Hädrich, T. Eidam, J. Limpert, A. Tünnermann

Divided-Pulse Amplification for High Energy Extraction

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Kienel, M.; A. Klenke, T. Eidam, C. Jauregui, J. Limpert, A. Tünnermann

Divided-Pulse Amplification for multi-mJ Extraction

540. WE-Heraeus-Seminar: Modern Concepts of Continuous Wave and Pulsed High Power Lasers, 15. Jul - 17. Jul 2013, Bad Honnef, Germany

Kienel, M.; T. Eidam, A. Klenke, C. Jauregui, J. Limpert, A. Tünnermann

Analysis of Energy-Scaling Capability of Ultrashort Pulses via Passively Combined Divided-Pulse Amplification

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Klenke, A.; S. Breilkopf, M. Kienel, T. Gottschall, T. Eidam, S. Hädrich, J. Rothhardt, J. Limpert, A. Tünnermann

530 W Average Power, Gigawatt Peak-Power, 4 Channel Femtosecond Fiber CPA System

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Klenke, A.; S. Breilkopf, M. Kienel, T. Gottschall, T. Eidam, S. Hädrich, J. Rothhardt, J. Limpert, A. Tünnermann

4-channel Coherently Combined femtosecond Fiber CPA system Delivering 1.3 mJ Pulses with 532 W Average Power

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Klenke, A.; S. Breitkopf, M. Kienel, T. Gottschall, T. Eidam, S. Hädrich, J. Rothhardt, J. Limpert, A. Tünnermann

4-channel coherently combined femtosecond fiber CPA system

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Klenke, A.; S. Hädrich, T. Eidam, M. Kienel, J. Limpert, A. Tünnermann

Divided-pulse nonlinear compression

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Kliner, A.; K.-C. Hou, M. Plötner, C. Hupel, T. Schreiber, R. Eberhardt, A. Tünnermann

Fabrication and evaluation of a 500-W cladding-light stripper

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8616 (2013) 86160N, ISBN 9780819493859

Kliner, A.; K.-C. Hou, M. Plötner, C. Hupel, T. Stelzner, T. Schreiber, R. Eberhardt, A. Tünnermann

Fabrication and Evaluation of a 500 W Cladding-light Stripper

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Krämer, R. G.; C. Voigtländer, E. Freier, A. Liem, J. U. Thomas, D. Richter, T. Schreiber, A. Tünnermann, S. Nolte

Femtosecond pulse inscription of a selective mode filter in large mode area fibers

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8601 (2013) 86010S, ISBN 9780819493705

Krämer, R. G.; A. Liem, C. Voigtländer, J. U. Thomas, D. Richter, T. Schreiber, A. Tünnermann, S. Nolte

514 monolithic fiber laser with a femtosecond inscribed fiber Bragg grating

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Krämer, R. G.; C. Voigtländer, J. U. Thomas, D. Richter, A. Tünnermann, S. Nolte

Selective mode filter in a large mode area fiber inscribed by ultrashort laser pulses

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Krämer, R. G.; R. J. Williams, A. Tünnermann, S. Nolte, M. J. Withford

Core-scanned fibre Bragg gratings inscribed using ultrashort pulses and a point by point setup

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Krebs, M.; S. Hädrich, S. Demmler, J. Rothhardt, A. Zaïr, L. Chipperfield, J. Limpert, A. Tünnermann

Attosekundenpulserzeugung mit Puls wiederholraten im Megahertzbereich

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Kroker, S.; T. Käsebier, E.-B. Kley, A. Tünnermann

Silicon Grating Optics for Future Gravitational Wave Detectors

Einstein Telescope Symposium, 22. Okt - 23. Okt 2013, Hannover, Germany

Kroker, S.; T. Käsebier, S. Steiner, E.-B. Kley, A. Tünnermann

Monolithic silicon grating reflectors – current status, chances and challenges for future gravitational wave detection

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Kroker, S.; T. Käsebier, S. Steiner, E.-B. Kley, A. Tünnermann

Optical grating concepts for future gravitational wave detection

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Kroker, Stefanie; Steiner, Stefan; Käsebier, Thomas; Kley, Ernst-Bernhard; Tünnermann, Andreas

High contrast gratings for high-precision metrology

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SPIE Proceedings Vol. 8633 (2013) 86330M, ISBN 9780819494023

Kruk, S.; C. Helgert, M. I. Decker, I. Staude, C. Menzel, D. Powell, C. Etrich, C. Rockstuhl, T. Pertsch, D. Neshev, Y. Kivshar

Symmetry Properties of Metamaterials at Oblique Incidence

Metamaterials 2013, 16. Sep - 21. Sep 2013, Bordeaux, France

Kühmstedt, Peter

Robuste Multi-View-3-D-Messsysteme in Rapid Prototyping- und Qualitätssicherungs-Prozessketten

Fraunhofer-Allianz VISION Seminar mit Praktikum „Optische 3-D-Messtechnik für die Qualitätssicherung in der Produktion“, 20.-21.11.2013, Magdeburg, Deutschland

Kühmstedt, Peter

New example for a high speed 3D sensor system

16th SpectroNet Collaboration Forum, 5.3.2013, Karlsruhe, Germany

Kühmstedt, Peter; Notni, Gunther; Ramm, Roland; Schmidt, Ingo

Blick ins Innere – Tomographische Messverfahren

Mitteldeutscher Kunststofftag, 26.6.2013, Erfurt, Deutschland

Kühmstedt, Peter; Schmidt, Ingo; Ramm, Roland

Der Einfluss der Probe und der Probenhalterung auf die μ CT-Messung

2. Jenaer μ CT-Workshop – Grundlagen und Anwendung in der Biomaterialforschung, 27.11.2013, Jena, Deutschland

Lange, N.; F.C. Wippermann, E. Beckert, R. Eberhardt, A. Tünnermann

Innovative approach to high stroke electrostatic actuators

SPIE Photonics West, MOEMS-MEMS, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8616 (2013) 86160T, ISBN 9780819493859

Lederer, F.; S. Mühlig, C. Rockstuhl, R. Alaei, C. Menzel

Tailoring meta-atoms for specific metamaterial applications

OWTNM, Twente, Netherlands, 19. Apr - 20. Apr 2013

Lehneis, R.; A. Steinmetz, J. Limpert, A. Tünnermann

All-fiber 170 fs pulses from a passively Q-switched microchip laser system

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France

Proceedings Advanced Solid State Lasers, OSA Technical Digest (2013) ATu1A.3, ISBN 978-1-55752-982-4

Lehneis, R.; A. Steinmetz, J. Limpert, A. Tünnermann

550 fs Laserpulse bei 1038 nm mit einem passiv gütegeschalteten Nd:YVO₄ Mikrochiplasersystem

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Lehneis, R.; A. Steinmetz, J. Limpert, A. Tünnermann

650 fs pulses at 1045 nm from a passively Q-switched Nd:YVO₄ microchip laser system

CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Lehneis, R.; A. Steinmetz, J. Limpert, A. Tünnermann

900fs pulses from a passively Q-switched microchip laser

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Lehneis, R.; A. Steinmetz, J. Limpert, A. Tünnermann

Ultrashort pulses from a passively Q-switched microchip laser

540. WE-Heraeus-Seminar: Modern Concepts of Continuous Wave and Pulsed High Power Lasers, 15. Jul - 17. Jul 2013, Bad Honnef, Germany

Leitel, Robert; Brückner, Andreas; Buß, Wolfgang; Dannberg, Peter; Bräuer, Andreas

Microoptics fabrication and integration

Workshop „Compound Eyes: from Biology to Technology“, 26.-28.3.2013, Tübingen, Germany

Limpert, J.

Faserlaser - Stand und Perspektiven

DPG Spring Meeting, Jena, Germany, 25. Feb - 1. Mrz 2013

Limpert, J.

High repetition rate technology

Heraeus DPG Physics School, Bad Honnef, Germany, 15. Sep - 20. Sep 2013

Limpert, J.; C. Jauregui, H.-J. Otto, F. Stutzki, F. Jansen, T. Eidam, A. Tünnermann

Understanding and Mitigation of Modal Instabilities in High Power Fiber Laser and Amplifiers

Advanced Solid-State Lasers Congress, Paris, France, 27. Okt - 1. Nov 2013

Limpert, J.; T. Gottschall, J. Rothhardt, S. Breitkopf, S. Hädrich, C. Jauregui, M. Kienel, A. Klenke, M. Baumgartl, M. Krebs, R. Lehneis, H.-J. Otto, F. Jansen, T. Eidam, A. Steinmetz, F. Stutzki, S. Demmler, C. Jocher, A. Tünnermann

High repetition rate ultrafast fiber lasers and their use in high-field science

TOWNES WINTER SYMPOSIUM, Townes, USA, 11. Mrz - 15. Mrz 2013

Limpert, J.; T. Gottschall, J. Rothhardt, S. Breilkopf, S. Hädrich, C. Jauregui, M. Kienel, A. Klenke, M. Baumgartl, M. Krebs, R. Lehneis, H.-J. Otto, F. Jansen, T. Eidam, A. Steinmetz, F. Stutzki, S. Demmler, C. Jocher, A. Tünnermann

High repetition rate ultrafast fiber lasers and their use in high-field science

Ultrafast Optics IX, Davos, Switzerland, 4. Mrz - 11. Mrz 2013

Lutzke, Peter; Schaffer, Martin; Kühmstedt, Peter; Kowarschik, Richard; Notni, Gunther

Experimental comparison of phase-shifting fringe projection and statistical pattern projection for active triangulation systems

SPIE Optical Metrology 2013, 13.-16.5.2013, Munich, Germany

SPIE Proceedings Vol. 8788 (2013) 878813, ISBN 9780819496041

MacCiarnain, Rossa; Michaelis, Dirk; Wächter, Christoph; Danz, Norbert

OLED emission zone measurement with high accuracy

SPIE Optics + Photonics, 25.-29.8.2013, San Diego, CA, USA
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Mann, Andreas; Hagen, Nico; Brückner, Andreas; Leitel, Robert; Buß, Wolfgang; Bräuer, Andreas

CURVACE measurements for optical characterization

Workshop „Compound Eyes: from Biology to Technology“, 26.-28.3.2013, Tübingen, Germany

Martin, L. A.; G. Di Giuseppe, A. Perez-Leija, A. Szameit, A. F. Abouraddy, D. N. Christodoulides, B. E. A. Saleh

Anderson Anti-Co-Localization in Disordered Photonic Waveguide Arrays

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Menzel, C.; B. Walther, M. Falkner, T. Pertsch

Metasurfaces for polarization and diffraction control

Photonica 2013, Belgrad, Serbia, 25. Aug - 31. Aug 2013

Menzel, C.; E. Hebestreit, S. Mühlig, S. Burger, C. Rockstuhl, F. Lederer, T. Pertsch

Towards homogeneous magnetic metamaterials - a comprehensive multipole analysis

META'14, Sharjah, VAE, 16. Mrz - 23. Mrz 2013

Menzel, C.; T. Paul, C. Rockstuhl, F. Lederer, T. Pertsch

On the importance of higher order Bloch modes for the homogenization of periodically structured media

META'13, 16. Mrz - 23. Mrz 2013, Sharjah, VAE

Modsching, N.; F. Stutzki, F. Jansen, C. Jauregui, J. Limpert, A. Tünnermann

High power very large mode area fiber designs for fiber CPA systems around 2 micron

540. WE-Heraeus-Seminar: Modern Concepts of Continuous Wave and Pulsed High Power Lasers, 15. Jul - 17. Jul 2013, Bad Honnef, Germany

Müller, Matthias; Barkusky, Frank; Feigl, Torsten; Mann, Klaus
Characterisation of EUV damage thresholds and imaging performance of Mo/Si multilayer mirrors

SPIE Proceedings Vol. 8777 (2013) 877705, ISBN 9780819495792

Müller, Ralf; Völlmeke, Stefan; Förster, Erik

Neuer optischer Sensor zur Bestimmung des Ecklastfehlers in Waagen (New optical sensor to measure the "error by off-centre load" in laboratory scales)

Mikrosystemtechnik Kongress 2013 (MST), 14.-16.10.2013, Aachen, Germany

Proceedings Mikrosystemtechnik Kongress (MST) (2013) S. 461-463, ISBN 978-3-8007-3555-6

Munkelt, Christoph; Kleiner, Bernhard; Torhallsson, Torfi; Kühmstedt, Peter; Notni, Gunther

Handheld 3D scanning with automatic multi-view registration based on optical and inertial pose estimation

Fringe 2013, 7th International Workshop on Advanced Optical Imaging & Metrology, 8.-11.9.2013, Nürtingen, Germany
Wolfgang Osten (Ed.), Proceedings Fringe 2013, 7th International Workshop on Advanced Optical Imaging & Metrology (2013) p. 809-814, ISBN 978-3-642-36358-0

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NavOScan: hassle-free handheld 3D scanning with automatic multi-view registration based on combined optical and inertial pose estimation

SPIE Optical Metrology 2013, 13.-16.5.2013, Munich, Germany

SPIE Proceedings Vol. 8790 (2013) 87901A, ISBN 9780819496065

Munzert, Peter; Präfke, Christiane; Schulz, Ulrike; Kaiser, Norbert

Investigations on nanostructuring of polycarbonate for anti-reflection purposes

Proceedings Optical Interference Coatings (OIC) (2013)
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Nathanael, A.; D. Lehr, H. Hartung, F. Schrepel

Analysis and Nanopatterning for Photonics

ZEISS ORION User Meeting, Dresden, Germany, 10. Dez - 11. Dez 2013

Notni, Gunther

High-Speed 3D-Messtechnik mit mikrooptischen Arrayprojektoren

JeTT Jenaer Technologietag 2013 „Mobilität in der optischen Messtechnik und Medizintechnik“, 11.11.2013, Jena, Deutschland

Notni, Gunther

Hochgeschwindigkeits-3D-Messdatenerfassung zur Validierung in der Crashbewertung

Symposium „Netzwerk“ 2013, 3.-4.12.2013, München, Deutschland

Notni, Gunther

High-resolution dynamic 3-D-shape measurement

International Symposium on Optomechatronic Technologies (ISOT 2013), 28.-30.10.2013, Jeju Island, Korea

Notni, Gunther; Schröder, Sven; Duparré, Angela

Roughness characterization of functional surfaces and coatings by light scattering techniques

icOPEN 2013 – International Conference on Optics in Precision Engineering and Nanotechnology, 9.-11.4.2013, Singapore

Notni, Gunther

Messen mit CT in der optischen Industrie

Fraunhofer Allianz VISION Seminar „Industrielle Röntgentechnik“, 13.-14.3.2013, Erlangen, Deutschland

Notni, Gunther

Verfahren der optischen 3D-Messtechnik

Fraunhofer-Allianz VISION Seminar mit Praktikum „Optische 3-D-Messtechnik für die Qualitätssicherung in der Produktion“, 20.-21.11.2013, Magdeburg, Deutschland

Oberdörster, Alexander; Lensch, Hendrik

Adaptive DOF for plenoptic cameras

SPIE Electronic Imaging, 3.-7.2.2013, Burlingame, CA, USA
SPIE Proceedings Vol. 8667 (2013) 86671R, ISBN 9780819494405

Oberdörster, Alexander; Brückner, Andreas; Lensch, Hendrik P.A.

Recording light fields with microoptical systems

18th Microoptics Conference MOC'13, 27.-30.10.2013, Tokyo, Japan

Opel, Matthias; Schröder, Sven; Duparré, Angela

Matrix-Sensor-basierte Methodik zur schnellen, hochauflösenden BTDF-Messung optischer Komponenten und Systeme

114. Jahrestagung DGaO, 21.-25.5.2013, Braunschweig, Deutschland

Otto, H.-J.; A. Klenke, C. Jauregui, J. Limpert, A. Tünnermann

Four-fold increase of the mode instability threshold with a multi-core photonic crystal fiber

Frontiers in Optics, 6. Okt - 10. Okt 2013, Orlando, USA

Otto, H.-J.; C. Jauregui, F. Stutzki, J. Limpert, A. Tünnermann

Dependence of Mode Instabilities on the Extracted Power of Fiber Laser Systems

Advanced Solid-State Lasers Congress, 27. Okt - 1. Nov 2013, Paris, France
Proceedings Advanced Solid State Lasers, OSA Technical Digest (2013) ATu3A.02, ISBN 978-1-55752-982-4

Otto, H.-J.; F. Jansen, F. Stutzki, C. Jauregui, J. Limpert, A. Tünnermann

Mode instabilities in high-power fiber lasers and amplifiers

DPG AMOP, 18. Mrz - 22. Mrz 2013, Hannover, Germany

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Mitigation Strategies for Mode Instabilities in High-Power Fiber-Laser Systems

CLEO/Europe and EQEC 2013 Conference Digest, München, Germany, 12. Mai - 16. Mai 2013

Otto, Hans-Jürgen; Jauregui, Cesar; Stutzki, Fabian; Jansen, Florian; Limpert, Jens; Tünnermann, Andreas
Mitigation of mode instabilities by dynamic excitation of fiber modes

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

SPIE Proceedings Vol. 8601 (2013) 86010A, ISBN 9780819493705

Otto, Hans-Jürgen; Klenke, Arno; Jauregui, Cesar; Limpert, Jens; Tünnermann, Andreas

Four-fold increase of the mode instability threshold with a multi-core photonic crystal fiber

Proceedings Frontiers in Optics (FiO 2013), OSA Technical Digest (2013) FW6A.5, ISBN 978-1-55752-987-9

Pabst, Oliver; Beckert, Erik; Eberhardt, Ramona; Tünnermann, Andreas

Inkjet printing of functional materials for applications in polymer-based microfluidic lab-on-a-chip systems

24th Micromechanics and microsystems Europe Conference (MME 2013), 1.-4.9.2013, Espoo, Finland

Pabst, Oliver; Beckert, Erik; Perelaer, Jolke; Schubert, Ulrich S.; Eberhardt, Ramona; Tünnermann, Andreas

All inkjet-printed electroactive polymer actuators for microfluidic lab-on-chip systems

SPIE Smart Structures/NDE, 10.-14.3.2013, San Diego, CA, USA

SPIE Proceedings Vol. 8687 (2013) 86872H, ISBN 9780819494702

Pabst, Oliver; Kemper, Falk; Shu, Zhe; Mittwoch, Stephan; Beckert, Erik

Drucken funktionaler Materialien für Lab-on-Chip Systeme

OptoNet-Workshop Additive Fertigung, 6.11.2013, Jena, Deutschland

Pabst, Oliver; Perelaer, Jolke; Beckert, Erik; Schubert, Ulrich S.; Eberhardt, Ramona; Tünnermann, Andreas

All inkjet-printed electroactive polymer actuators for Lab-on-a-Chip systems

Large-area, organic & printed Electronics Convention (LOPE-C 2013), 11.-13.6.2013, München, Germany

Paetzold, Ulrich Wilhelm; Smeets, Michael; Smirnov, Vladimir; Bittkau, Karsten; Meier, Matthias; Michaelis, Dirk; Wächter, Christoph; Carius, Reinhard; Rau, Uwe
Introducing Disorder in Plasmonic Gratings for Light-Trapping in Thin-Film Silicon Solar Cells

MRS Fall Meeting, Symposium-L: Photonic and Plasmonic Materials for Enhanced Optoelectronic Performance, 1.-6.12.2013, Boston, USA

Perez-Leija, A.; M. Gräfe, J. C. Hernandez-Herrejon, H. Moya-Cessa, A. Szameit, D. N. Christodoulides

Generation of multipartite single photon W states in waveguide lattices

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Plotnik, Y.; J. M. Zeuner, M. C. Rechtsman, Y. Lumer, D. Podolsky, S. Nolte, M. Segev, A. Szameit

Photonic Floquet Topological Insulators

Workshop on Synthetic Gauge Fields with Atoms and Photons, Trento, Italy, 1. Jul - 7. Jul 2013

Plotnik, Y.; J. M. Zeuner, M. C. Rechtsman, Y. Lumer, M. Segev, A. Szameit

Experimental Observation of Photonic Floquet Topological Insulators

French-Israeli Symposium on Nonlinear and Quantum Optics, 24. Feb - 1. Mrz 2013, Ein Gedi, Israel

Popp, J.; T. Meyer, A. Medyukhina, M. Baumgartl, T. Gottschall, J. Limpert, A. Tünnermann, B. Dietzek, M. Schmitt

Progress in translating multimodal nonlinear microscopy from basic research into neurosurgical praxis

SPIE Photonics West, BIOS, 2. Feb - 7. Feb 2013, San Francisco, USA

Prater, K.; F. Eilenberger, S. Minardi, U. Röpke, J. Kobelke, K. Schuster, H. Bartlett, S. Nolte, A. Tünnermann, T. Pertsch

Vortex-Light Bullets in fiber arrays – Properties, Decay and Experimental Schemes

CLEO Europe, 12. Mai - 16. Mai 2013, Munich, Germany

Pupeza, Ioachim; Holzberger, Simon; Eidam, Tino; Esser, Dominik; Weitenberg, Johannes; Carstens, Henning;

Rußbüldt, Peter; Limpert, Jens; Udem, Thomas; Tünnermann, Andreas; Hänsch, Theodor; Krausz, Ferenc; Fill, Ernst

Generation of Coherent sub-20 nm XUV Radiation at 78 MHz via Cavity-Based HHG

EPJ Web of Conference 41 (2013) 10023, ISSN 2100-014X

Pupeza, I.; S. Holzberger, H. Carstens, T. Eidam, D. Esser, J. Weitenberg, P. Russbüldt, J. Limpert, T. Udem, A. Tünnermann, T. W. Hänsch, A. Apolonski, E. Fill, F. Krausz

Kompakte kohärente EUV Quellen basierend auf Überhöhrungsresonatoren

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Rechtsman, M. C.; Y. Plotnik, J. M. Zeuner, D. Podolsky, Y. Lumer, M. Segev, A. Szameit

Artificial gauge fields and topological protection in photonic lattices

Workshop on Synthetic Gauge Fields with Atoms and Photons, Trento, Italy, 1. Jul - 7. Jul 2013

Rechtsman, M. C.; J. M. Zeuner, Y. Plotnik, Y. Lumer, S. Nolte, A. Szameit, M. Segev

Photonic Floquet Topological Insulators

Topological Phenomena in Quantum Dynamics and Disordered Systems conference, Banff, Canada, 3. Feb - 8. Feb 2013

ISF / Batsheva workshop on light-matter interaction, Ein Gedi, Israel, 23. Apr

Workshop on Quantum Simulations and Related Topics, Haifa, Israel, 2. Mai - 3. Mai 2013

Nonlinear Optics conference, Kohala HI, USA, 21. Jul - 26. Jul 2013

SPIE Optics and Photonics conference, San Diego, USA, 25. Aug - 29. Aug 2013

Rechtsman, M. C.; J. M. Zeuner, Y. Plotnik, Y. Lumer, M. Segev, A. Szameit

Photonic Floquet Topological Insulators

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Meeting of the APS Division of Atomic, Molecular and Optical Physics (DAMOP), 3. Jun - 7. Jun 2013, Quebec, Canada

Rechtsman, M. C.; J. M. Zeuner, Y. Plotnik, D. Podolsky, Y. Lumer, A. Szameit, M. Segev

Photonic Floquet Topological Insulators

Workshop on Nonlinear Schrödinger Equation: Theory and Applications, Heraklion, Greece, 20. Mai - 24. Mai 2013

Rechtsman, M. C.; Y. Plotnik, J. M. Zeuner, A. Szameit, M. Segev

Topological creation and destruction of edge states in photonic graphene

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Reinlein, Claudia; Appelfelder, Michael; Goy, Matthias
Results on the high power testing of screen-printed deformable mirrors

9th International Workshop on Adaptive Optics for Industry & Medicine, 2.-6.9.2013, Stellenbosch, South Africa

Richter, D.; C. Voigtländer, R. G. Krämer, J. U. Thomas, A. Tünnermann, S. Nolte

Femtosecond laser pulse written Volume Bragg Gratings

Progress in Ultrafast Laser Modifications of Materials, 14. Apr - 19. Apr 2013, Cargésé, Corsica, France

Richter, D.; C. Voigtländer, R. G. Krämer, J. U. Thomas, A. Tünnermann, S. Nolte

Observation of Spectral Gouy Shift in femtosecond laser pulse written Volume Bragg Gratings

CLEO Europe, 12. Mai - 16. Mai 2013, München, Germany

Richter, D.; C. Voigtländer, R. G. Krämer, J. U. Thomas, A. Tünnermann, S. Nolte

Characteristics of femtosecond laser pulse written Volume-Bragg-Gratings

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Richter, S.; F. Zimmermann, S. Döring, A. Tünnermann, S. Nolte
Ultrashort high repetition rate exposure of dielectric materials: Laser bonding of glass

DPG Spring Meeting, 25. Feb - 1. Mrz 2013, Jena, Germany

Richter, S.; F. Zimmermann, S. Döring, A. Tünnermann, S. Nolte
Ultrastable Bonding of glass with femtosecond laser bursts

SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA

Richter, Sören; Burmeister, Frank; Zimmermann, Felix; Döring, Sven; Tünnermann, Andreas; Nolte, Stefan

Formation of disruptions in molten fused silica induced by heat accumulation of ultrashort laser pulses at high repetition rates

CLEO/EUROPE – IQEC 2013, 12.-16.5.2013, Munich, Germany

Risse, Stefan

Ultrapräzise Metallspiegel mit exzellenter Form und Rauheit für Astronomie und Raumfahrt

Optik-Kolloquium Optics for Space, Universität Stuttgart, 27.02.2013

Risse, Stefan, Steinkopf, Ralf, Scheiding, Sebastian, Gebhardt, Andreas
Diamond machining of freeform optics with well defined reference structures
EOS MOC, Munich, 2013

Rockstuhl, C.; R. Alaei, C. Menzel, U. Huebner, E. Pshenay-Severin, S. Bin Hasan, T. Pertsch, F. Lederer
Exploiting extreme coupling in nanoplasmonic elements
NOMA, Cetraro, Italy, 10. Jun - 15. Jun 2013

Rothhardt, Carolin; Rekas, Miroslaw; Kalkowski, Gerhard; Haarlammert, Nicoletta; Eberhardt, Ramona; Tünnermann, Andreas
Fabrication of a high power Faraday isolator by direct bonding
SPIE Photonics West, LASE, 2. Feb - 7. Feb 2013, San Francisco, USA
SPIE Proceedings Vol. 8601 (2013) 86010T, ISBN 9780819493705

Rothhardt, J.; S. Demmler, S. Hädrich, M. Krebs, J. Limpert, A. Tünnermann
Generation of Coherent Soft X-ray Radiation at High Repetition Rate
CLEO/Europe and EQEC 2013 Conference Digest, 12. Mai - 16. Mai 2013, München, Germany

Rothhardt, J.; S. Demmler, S. Hädrich, T. Peschel, J. Limpert, A. Tünnermann
Thermal effects in high power BBO based optical parametric amplifiers
Ultrafast Optics IX, 4. Mrz - 11. Mrz 2013, Davos, Switzerland

Rothhardt, J.; S. Hädrich, M. Krebs, S. Demmler, J. Limpert, A. Tünnermann
Coherent soft x-ray sources for spectroscopic applications
10th Topical Workshop of the SPARC Collaboration, Jena, Germany, 28. Okt - 30. Okt 2013

Rothhardt, J.; S. Hädrich, S. Demmler, M. Krebs, J. Limpert, A. Tünnermann
High average power fiber laser system for attosecond science
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SPIE Proceedings Vol. 8601 (2013) 86011D, ISBN 9780819493705

Rothhardt, J.; S. Hädrich, S. Demmler, M. Krebs, J. Limpert, A. Tünnermann
Control of pump-signal timing and carrier envelope phase in two-cycle optical parametric chirped pulse amplifier
Ultrafast Optics IX, 4. Mrz - 11. Mrz 2013, Davos, Switzerland

Saravi, S.; S. Diziain, R. Geiss, F. Setzpfandt, C. Etrich, T. Pertsch
Spontaneous Parametric Down Conversion in Slow Light Lithium Niobate Photonic Crystal Slab Waveguides
Summer school „Quantum Optics and nanophotonics“, 5. Aug - 30. Aug 2013, Les Houches, France

Saviauk, A.; S. Minardi, F. Dreisow, S. Nolte, T. Pertsch
3D-integrated optical component for spectro-interferometry
CLEO Europe, 12. Mai - 16. Mai 2013, Munich, Germany

Scheiding, Sebastian; Beier, Matthias; Zeitner, Uwe-Detlef; Risse, Stefan; Gebhardt, Andreas
Freeform mirror fabrication and metrology using a high performance test CGH and advanced alignment features
SPIE Advanced Fabrication Technologies for Micro/Nano Optics and Photonics VI, 2.-7.2.2013, San Francisco, CA, USA
SPIE Proceedings Vol. 8613 (2013) 86130J, ISBN 9780819493828

Schreiber, Peter
Arrayed micro-optical projectors for slim LED light sources
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Schreiber, Peter
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SID Mid-Europe Chapter Spring Meeting, 15.-16.4.2013, Ghent, Belgium

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Schröder, Sven

Light scattering of optical components from the IR to the EUV spectral regions

International symposium on optical coatings and surface characterization, 23.-26.5.2013, Suzhou, China

Schröder, Sven; Coriand, Luisa; Duparré, Angela

Roughness, optical and wetting properties of nanostructured thin films

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Angle resolved scattering at 193 nm and 13,5 nm

273. PTB-Seminar: VUV and EUV Metrology, 24.-25.10.2013, Berlin, Germany

Schröder, Sven

Charakterisierung von Mikro- und Nanostrukturen

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Schröder, Sven; Trost, Marcus; Herffurth, Tobias; Duparré, Angela

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Schulz, Ulrike

Beschichtung von Kunststoffen für optische Anwendungen

SKZ-Seminar „Optische Kunststoff-Formteile in Design und Technik“, 17.-18.9.2013, Würzburg, Deutschland

Schulz, Ulrike; Gödeker, Christoph; Kaiser, Norbert

Durable antireflective coating for sapphire in accordance with the simulation of mechanical properties

Society of Vacuum Coaters SVC 2013, 20.-25.4.2013, Providence, RI, USA

Sergeyev, A.; R. Geiss, E.-B. Kley, T. Pertsch, R. Grange

Generation and propagation of the second-harmonic in lithium niobate nanowires

30th Course NANO-STRUCTURES FOR OPTICS AND PHOTONICS, 4. Jul - 19. Jul 2013, Erice, Italy

Sergeyev, A.; R. Geiss, E.-B. Kley, T. Pertsch, R. Grange
Propagation of second-harmonic generation in LiNbO₃ nanowires

European Conference on Lasers and Electro-Optics, 12. Mai - 16. Mai 2013, Munich, Germany

Shu, Zhe; Pabst, Oliver; Kemper, Falk; Beckert, Erik; Eberhardt, Ramona; Tünnermann, Andreas

Inkjet printing multifunctionalities on microfluidic chips for biosensing applications

5th Printing Future Days, 10.-12.9.2013, Chemnitz, Germany

Siefke, T.; T. Weber, H. J. Fuchs, D. Voigt, E.-B. Kley and A. Tünnermann

Wire grid polarizers for UV applications

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Sieler, Marcel; Schreiber, Peter; Bräuer, Andreas

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Nonlinear Quantum Walks at the Edge of Quadratic Waveguide Arrays

Nonlinear Optics, 21. Jul - 26. Jul 2013, Kohala Hawaii, USA

Steinbrück, A.; J. Richter, J.-W. Choi, T. Pertsch, A. Tünnermann, R. Grange

A Visible to Near Infrared Optofluidic Device Based on Functionalized Plasmonic Nanoparticle Dense Films

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Steiner, S.; S. Kroker, T. Käsebier, E.-B. Kley, A. Tünnermann
Asymmetric direction selective filter elements based on high-contrast gratings

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28th ASPE Annual Meeting, 20.-25.10.2013, St. Paul, MN, USA

Steinmetz, A.; R. Lehneis, J. Limpert, A. Tünnermann

45W SHG and 24.5W THG from a fiber-amplified passively Q-switched microchip laser

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Stenzel, Olaf; Wilbrandt, Steffen; Kaiser, Norbert

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Practical modelling of statistical nanocomposite optical coating materials for filter and absorber specifications: Oscillator model, mixing model and spectral moments approaches

SIAM Conference on Mathematical Aspects of Materials Science, 9.-12.6.2013, Philadelphia, USA

Stützer, S.; U. Naether, T. Kottos, R.A. Vicencio, M.I. Molina, A. Tünnermann, S. Nolte, D.N. Christodoulides, A. Szameit

Anomalous diffusion of light in 1D random dimer waveguide arrays

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Proceedings CLEO: QELS Fundamental Science, OSA Technical Digest (2013) QW3A.4

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Superballistic transport in hybrid photonic lattices

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Hybrid Bloch-Anderson localization in photonic lattices
546. WE-Heraeus-Seminar on "Light in disordered Photonic Media", 2. Dez - 4. Dez 2013, Bad Honnef, Germany

Stützer, S.; Y. Kartashov, V. Vysloukh, V. Konotop, S. Nolte, L. Torner, A. Szameit

Hybrid Bloch-Anderson localization of light
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Stutzki, F.; F. Jansen, C. Jauregui, J. Limpert, A. Tünnermann

High power, high energy Tm-doped Q-switched large-pitch fiber laser
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High power 2.4 mJ Thulium-doped large-pitch fiber oscillator
DPG AMOP, 18. Mrz - 22. Mrz 2013, Hannover, Germany

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Szameit, A.; S. Nolte

Nonlinear light propagation in fs laser-written waveguide arrays
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Trost, Marcus; Schröder, Sven; Duparré, Angela

Measurement and modeling of light scattering from optical components for lithographic systems
11th Fraunhofer IISB, Lithography Simulation Workshop, 26.-28.9.2013, Hersbruck, Germany

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LASER World of Photonics 2013, 13.-16.5.2013, München, Germany

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Universität Kassel, Institute of Nanostructure Technologies and Analytics (INA), 2.7.2013, Kassel, Deutschland

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Green Photonics – optical solutions for the future
Max-Planck-Institute for the Science of Light, MPL Distinguished Lecturer Series, 24.1.2013, Erlangen, Germany

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Technical advances and future prospects of fiber lasers and amplifiers
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Tünnermann, Andreas

Towards isolated attosecond pulses at Megahertz Repetition rates
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OPO-basiertes System zur hochsensitiven winkel- und wellenlängenaufgelösten Streulichtmessung

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S. Nolte

**Application of fs-laser Generated Nanogratings for
Arbitrary Polarization Control**

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An Archimedean Screw made of light

CLEO/Europe-IQEC, 12. Mai - 16. Mai 2013, München,
Germany

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**Optical Solenoid Beams: A new avenue of particle
manipulation**

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Media", 2. Dez - 4. Dez 2013, Bad Honnef, Germany

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**Variable period change of femtosecond written fiber
Bragg gratings with a deformed wavefront**

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**Optical design including characteristics of manufactured
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Wedel, B.; H. Zimer, R. Niedrig, M. Schulze, E.-B. Kley

**Limitations of optical antireflective coatings on fused
silica optics in high-brightness 2D laser cutting heads**

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Weimann, S.; A. Kay, R. Keil, S. Nolte, A. Szameit

**State transfer with time-dependent Hamiltonians in
waveguide arrays**

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Weimann, S.; Y. Xu, R. Keil, A. E. Miroshnichenko, A. Tünner-
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**Compact Surface Fano States Embedded in the Continu-
um of Waveguide Arrays**

CLEO/QELS Conference, 9. Jun - 14. Jun 2013, San Jose, USA

Weimann, S.; Y. Xu, R. Keil, A. E. Miroshnichenko, S. Nolte, A.
A. Sukhorukov, Y. S. Kivshar, A. Szameit

**Compact Fano states embedded in the continuum of
waveguide arrays**

CLEO US, 9. Jun - 14. Jun 2013, San Jose, USA

Wilbrandt, Steffen; Stenzel, Olaf; Nakamura, Hiroshi; Kaiser,
Norbert

**Protected and enhanced aluminum mirrors for the VUV
Optical Interference Coatings (OIC), 16.-21.6.2013, Whistler,
Canada**

Proceedings Optical Interference Coatings (OIC) (2013) FC.6,
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**Preparation of UV-VIS high index coating materials with
PIAD using xenon as working gas**

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Array masters for UV-replication used in imaging applications

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Wippermann, Frank; Reimann, Andreas; Dunkel, Jens; Bräuer, Andreas

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Recent Advancements of High-Performance Gratings for Spectroscopic- and Laser-Applications

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