

## **Dombi Péter teljes publikációs és citációs listája**

### **Full list of publications and citations / Péter Dombi**

#### **Referált nemzetközi folyóiratcikkek / Peer-reviewed journal publications**

(zárójeles értékek: *impakt faktor / független hivatkozások száma*)

(*figures in brackets: impact factor / number of independent citations*)

- [1] I.N. Ross, C.J. Hooker, **P. Dombi**, “Efficient generation of large diffraction gratings using a grating interferometer”, Appl. Opt. **40**, 6153-6156 (2001) (1.53/2)
- [2] K.Osvay, **P.Dombi**, A. P. Kovács, Z. Bor, “Fine tuning of the higher-order dispersion of a prismatic pulse compressor”, Appl. Phys. B **75**, 649-654 (2002) (2.1/5)
- [3] V. S. Yakovlev, **P. Dombi**, G. Tempea, C. Lemell, J. Burgdörfer, T. Udem, A. Apolonski, “Phase-stabilized 4-fs pulses at the full oscillator repetition rate for a photoemission experiment”, Appl. Phys. B **76**, 329-332 (2003) (2.01/18)
- [4] V. L. Kalashnikov, **P. Dombi**, T. Fuji, W. J. Wadsworth, J. C. Knight, P. S. J. Russell, R. S. Windeler, A. Apolonski, “Maximization of supercontinua in photonic crystal fibers by using double pulses and polarization effects” Appl. Phys. B **77**, 319-324 (2003) (2.01/4)
- [5] A. Apolonski\*, **P. Dombi\***, G. G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, Ch. Lemell, K. Torizuka, J. Burgdörfer, T. W. Hänsch, F. Krausz, „Observation of light-phase-sensitive photoemission from a metal“ Phys. Rev. Lett., **92**, 073902 (2004) (7.2/92)  
\*equal contributions, as also stated in the paper / az első két szerző az eredményekhez egyenlő mértékben járult hozzá (ld. cikkben is)
- [6] **P. Dombi**, A. Apolonski, Ch. Lemell, G.G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, K. Torizuka, J. Burgdörfer, T. W. Hänsch, F. Krausz, „Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime“, New J. Phys. **6**, 39 (2004) (3.1/19)
- [7] F. Légaré, Kevin F. Lee, I. V. Litvinyuk, P. W. Dooley, S. S. Wesolowski, P. R. Bunker, **P. Dombi**, F. Krausz, A. D. Bandrauk, D. M. Villeneuve, P. B. Corkum, “Laser Coulomb explosion imaging of small molecules” Phys. Rev. A. **71**, 013415 (2005), (2.9/18)
- [8] **P. Dombi**, Gy. Farkas, „Carrier-envelope phase sensitive photoelectron emission induced by sub-10-fs laser pulses “, Acta Phys. Hung. B **23**,107 (2005), (0.12/-)
- [9] S. Naumov, A. Fernandez, R. Graf, **P. Dombi**, F. Krausz, A. Apolonski "Approaching the microjoule frontier with femtosecond laser oscillators", New J. Phys. **7**, 216 (2005), (3.1/55)
- [10] **P. Dombi**, V. S. Yakovlev, K. O'Keeffe, T. Fuji, M. Lezius and G. Tempea "Pulse compression with time-domain optimized chirped mirrors " , Optics Express **13**, 10888 (2005), (3.7/18)
- [11] **P. Dombi**, F. Krausz, Gy. Farkas, "Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metals", J. Mod. Opt. **53**, 163 (2006), (1.2/11)
- [12] S. E. Irvine, **P. Dombi**, Gy. Farkas, and A. Y. Elezzabi, “Influence of Carrier-Envelope Phase of Few-Cycle Pulses on Surface-Plasmon-Ponderomotive Electron Interaction”, Phys. Rev. Lett. **97**, 146801 (2006), (7.2/6)
- [13] **P. Dombi**, P. Antal, J. Fekete, R. Szipöcs, Z. Várallyay "Chirped-pulse supercontinuum generation with a long-cavity Ti:sapphire oscillator", Appl. Phys. B **88**, 379 (2007), (2.06/4).
- [14] **P. Dombi** and P. Antal, "Investigation of a 200-nJ chirped-pulse Ti:Sapphire oscillator for white light generation", Laser Phys. Lett. **4**, 538 (2007), (1.9/4)

- [15] N. Kroó, S. Varró, Gy. Farkas, **P. Dombi**, D. Oszetzky, A. Nagy, A. Cztirovszky “*Nonlinear plasmonics*”, J. Mod. Opt. **55**, 3203 (2008), (1.19/2).
- [16] N. Kroó, G. Farkas, **P. Dombi**, S. Varró, "Nonlinear processes induced by the enhanced, evanescent field of surface plasmons excited by femtosecond laser pulses", Opt. Express **16**, 21656 (2008). (3.88/-)
- [17] D. A. Sidorov-Biryukov, A. Fernandez, L. Zhu, A. Verhoef, **P. Dombi**, A. Pugzlys, E. E. Serebryannikov, A. M. Zheltikov, J. C. Knight, and A. Baltuška, "Solitonic dynamics of ultrashort pulses in a highly nonlinear photonic-crystal fiber visualized by spectral interferometry", Opt. Lett. **33**, 446 (2008), (3.60/1)
- [18] I. F. Barna and **P. Dombi**, "Coherent control for the spherical symmetric box potential in short and intensive XUV laser fields", Central Eur. J. Phys. **6**, 205 (2008), (0.9/1)
- [19] **P. Dombi** and P. Rácz, "Ultrafast monoenergetic electron source by optical waveform control of surface plasmons", Optics Express **16**, 2887 (2008), Id. még Nature Photonics "Research Highlights" rovata, vol. **2**, 206 (2008) (3.88/6)
- [20] O. D. Mücke, D. Sidorov, **P. Dombi**, A. Pugzlys, A. Baltuska, A. Alisauskas, V. Smilgevicius, J. Pocius, L. Giniunas, R. Danielius, N. Forget "Scalable Yb-MOPA-driven carrier-envelope phase-stable few-cycle parametric amplifier at 1.5  $\mu\text{m}$ ", Opt. Lett. **34**, 118-120 (2009) (3.06/2)
- [21] **P. Dombi**, P. Rácz, B. Bódi, "Surface plasmon enhanced electron acceleration with few-cycle laser pulses", Laser and Part. Beams **27**, 291-296 (2009), (4.64/3)
- [22] **P. Dombi** "Surface plasmon enhanced photoemission and electron acceleration with ultrashort laser pulses", review article in Adv. in Imaging and Electron Phys. **158**, 1-26 (2009) (1.1/-)
- [23] M. A. Porras, **P. Dombi**, "Freezing the carrier-envelope phase of few-cycle light pulses about a focus", Opt. Express **17**, 19424-19434 (2009), (3.28/-).
- [24] **P. Dombi**, P. Rácz, M. Lenner, V. Pervak, F. Krausz "Dispersion management of femtosecond laser oscillators with highly dispersive mirrors", Opt. Express **17**, 20598-20604 (2009), (3.28/1).
- [25] S. Varró, N. Kroó, G. Farkas, **P. Dombi** „Spontaneous emission of radiation by metallic electrons in the presence of electromagnetic fields of surface plasmon oscillations”, J. Mod. Opt. **57**, 80-90 (2010), (1.2/-)
- [26] O. D. Mücke, D. Sidorov, **P. Dombi**, A. Pugzlys, S. Alisauskas, V. Smilgevicius, N. Forget, J. Pocius, L. Giniunas, R. Danielius, A. Baltuska, "10-mJ optically synchronized CEP-stable chirped parametric amplifier at 1.5  $\mu\text{m}$ ", Opt. Spectrosc. **108**, 456-462 (2010), (0.58/1)
- [27] **P. Dombi**, S. E. Irvine, P. Rácz, M. Lenner, N. Kroó, G. Farkas, A. Mitrofanov, A. Baltuska, T. Fuji, F. Krausz and A. Y. Elezzabi, "Observation of few-cycle, strong-field phenomena in surface plasmon fields," Opt. Express **23**, 24206-24212 (2010), (3.28/1).
- [28] P. Rácz, S. E. Irvine, M. Lenner, A. Mitrofanov, A. Baltuska, A. Y. Elezzabi and **P. Dombi**, „Strong-field plasmonic electron acceleration with few-cycle phase-stabilized laser pulses,” Appl. Phys. Lett. **98**, 111116 (2011) (3.55/-).

**Kumulatív IF (cumulative IF): 76, független hivatkozások száma/ independent citations: 273**

### Meghívott konferencia-előadás / Invited conference talks

- [28] **P. Dombi**, „*Carrier-envelope phase-controlled laser-surface interactions*“, paper number 6892-1J, SPIE Photonics West, San José, USA, (2008).
- [29] **P. Dombi**, „*Surface plasmon enhanced electron acceleration with few-cycle laser pulses*“, XXX European Conference on Laser Interaction with Matter, Darmstadt, Germany (2008).
- [30] **P. Dombi**, „*Surface plasmon enhanced electron acceleration with few-cycle laser pulses*“, 39<sup>th</sup> Physics of Quantum Electronics Conference, Snowbird, Utah, USA (2009).
- [31] **P. Dombi** and P. Rácz, „*Ultrafast electron emission from metals: the role of surface plasmon*“, paper number 7600-39, SPIE Photonics West, San Francisco, USA, (2010).
- [32] **P. Dombi**, *title TBA*, Chirped Pulse Amplification Symposium, Québec City, Canada (2010).

### Tudományos ismeretterjesztő jellegű cikk angolul / Popular science paper in English

- [33] **P. Dombi**, A. Apolonski, F. Krausz, „*Photoelectrons measuring the phase of light*“ EuroPhysics News, **35**, 4 (2004).

### Tudományos ismeretterjesztő cikkek magyarul / Popular science paper in Hungarian

- [34] **Dombi P.**, „*Femtokémiából attofizika?*“ Mafigyelő (a Magyar Fizikushallgatók Egyesületének lapja), 2005. májusi szám
- [35] Varró S. és **Dombi P.**, „*Optikusok elismerése. A 2005-ös fizikai Nobel-díj*“, Természet Világa, 2006. március
- [36] **Dombi P.**, „*Optikai frekvenciametrológia, avagy mire jók a frekvenciafésűk?*“, Fizikai Szemle, 2006. március
- [37] Varró S. és **Dombi P.**, „*Kvantumoptika és szivárványfésű*“, Élet és Tudomány, 2006. május 5-iki szám
- [38] **Dombi P.**, „*A femtokémiától az attofizikáig...*“, InterPressMagazin, 2008. május.

### Konferencia proceedings-cikkek / Conference proceedings

- [39] K. Osvay, **P. Dombi**, A.P. Kovács, J. Klebniczki, G. Kurdi, Z. Bor: „*Tuneable third order dispersion of a prismatic pulse compressor*“, Ultrafast Phenomena XII Proceedings, p. 168-170, Springer Verlag (2001)
- [40] **P. Dombi**, A. Apolonski, G. G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, Ch. Lemell, J. Burgdörfer, T. W. Hänsch and F. Krausz: „*Solid-state carrier-envelope phase detector*“ Ultrafast Optics IV Proceedings, p. 185-191, Springer Verlag (2004)
- [41] A. Fuerbach, A. Fernandez, T. Fuji, H. Mayer, **P. Dombi**, F. Krausz, A. Apolonski: „*Generation of ultra-broadband high energy pulses without external amplification*“ Ultrafast Phenomena XIV Proceedings, Springer Verlag (2005).
- [42] **P. Dombi**, F. Krausz, Gy. Farkas, „*Ultrafast dynamics of multiphoton photoemission from gold and carrier-envelope phase sensitivity*“, Advanced Solid-State Photonics 2005 Proceedings (2005).
- [43] **P. Dombi**, P. Rácz, „*Carrier-envelope phase-controlled laser-surface interactions*“ Proc. SPIE 6892, 1J (2008).
- [44] J.-P. Chambaret, O. Chekhlov, G. Chériaux, J. Collier, R. Dabu, **P. Dombi** et al., „*Extreme Light Infrastructure: architecture and major challenges*“, Proc. SPIE 7721, 1D (2010).

## Egyéb konferenciaanyagok / Other conference contributions

- [45] **P. Dombi**, I.N. Ross, C.J. Hooker, Z. Bakonyi: „*Large Holographic Grating Production Using a Grating Interferometer*”, Quantum Electronics and Photonics Conference 14, Manchester, UK, p. 44 (1999)
- [46] **P. Dombi**, K. Osvay, A. P. Kovács, J. Klebniczki, G. Kurdi, Z. Bor: “*Tuneable Third Order Dispersion of a Prismatic Pulse Compressor*”, Kvantumelektronika 2000, Budapest, poster #5 (2000)
- [47] **P. Dombi**, A. Apolonski, G. G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, Ch. Lemell, J. Burgdörfer, T. W. Hänsch and F. Krausz: “*Solid-state light phase detector*” CLEO/QELS, Baltimore, Maryland, USA, Postdeadline paper QThPDA4 (2003)
- [48] A. Apolonski, **P. Dombi**, G. G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, Ch. Lemell, J. Burgdörfer, T. W. Hänsch and F. Krausz, “*Solid-state light phase detector*” CLEO Europe EQEC 2003, Munich, Germany; Postdeadline paper (2003).
- [49] A. Apolonski, **P. Dombi**, T. Fuji, G. G. Paulus, Th. Udem, M. Kakehata, G. Tempea, V. Yakovlev, W. J. Wadsworth, J. C. Knight, P. St. J. Russell, F. Krausz: “*Progress in generation and applications of phase-stabilized, few-cycle pulses at MHz repetition rate in Vienna*”, IEEE/LEOS Summer Topical Meetings, Vancouver, Kanada, TuC2.1 (2003)
- [50] V. Kalashnikov, **P. Dombi**, T. Fuji, V. Yakovlev, W. J. Wadsworth, J. C. Knight, P. St. J. Russell, R. Windeler, A. Apolonski: “*Maximization of supercontinua in fibers by using double pulses and polarization effects*”, IEEE/LEOS Summer Topical Meetings, Vancouver, Kanada, TuA4.4 (2003)
- [51] **P. Dombi**, A. Apolonski, G. G. Paulus, M. Kakehata, R. Holzwarth, Th. Udem, Ch. Lemell, J. Burgdörfer, T. W. Hänsch and F. Krausz: “*Lichtphasendetektor aus Festkörper*” 53. Jahrestagung der Österreichischen Physikalischen Gesellschaft, Salzburg, Austria, F-QEO03 (2003)
- [52] Ch. Lemell, X.-M. Tong, A. Apolonski, **P. Dombi**, F. Krausz, J. Burgdörfer, “*Determination of the carrier-envelope phase of ultrashort pulses using metal surfaces*”, Laser Physics 2003, Hamburg, Germany (meghívott) (2003)
- [53] Ch. Lemell, **P. Dombi**, X.-M. Tong, F. Krausz, J. Burgdörfer: „*Determination of the carrier-envelope phase of ultrashort laser pulses using metal surfaces*” 68. Physikertagung der Deutschen Physikalischen Gesellschaft, München, Németország, Q42.7 (2004)
- [54] Ch. Lemell, **P. Dombi**, X.-M. Tong, F. Krausz, J. Burgdörfer: “*Determination of the carrier-envelope phase of ultrashort laser pulses using metal surfaces*” 2004 APS Meeting of the Division of Atomic, Molecular and Optical Physics, Tucson, Arizona, USA (2004)
- [55] **P. Dombi**, F. Krausz, Gy. Farkas, „*Ultrafast dynamics of multiphoton photoemission from gold and carrier-envelope phase sensitivity*“, High Field Attosecond Physics Conference, Obergurgl, Ausztria, 7-es poszter (2005).
- [56] **P. Dombi**, F. Krausz, Gy. Farkas, „*Ultrafast dynamics of multiphoton photoemission from gold and carrier-envelope phase sensitivity*“, Advanced Solid-State Photonics 2005, Bécs, Ausztria (2005).
- [57] S. E. Irvine, **P. Dombi**, Gy. Farkas and A. Y. Elezzabi, „*Influence of the Carrier-Envelope Phase of Few-Cycle Pulses on Ponderomotive Surface-Plasmon Electron Acceleration*”, Ultrafast Phenomen, postdeadline poszter, Pacific Grove, Kalifornia, USA (2006).
- [58] **P. Dombi**, S. E. Irvine, Gy. Farkas and A. Y. Elezzabi, „*Surface-plasmon-ponderomotive electron acceleration as a potential carrier-envelope phase measurement tool*”, Interaction of Atoms, Molecules and Plasmas with Intense Ultrashort Laser Pulses (IAMPI2006), P21 poszter Szeged (2006).

- [59] **P. Dombi**, P. Antal, Z. Várallyay J. Fekete, R. Szipőcs, “*Optimizing and pulse compression of a 200-nJ chirped pulse Ti:sapphire oscillator*”, 8th International Symposium on Laser Precision Microfabrication, Vienna, Austria, poster P-11 (2007).
- [60] **P. Dombi**, P. Antal, Z. Várallyay J. Fekete, R. Szipőcs, “*Chirped-pulse supercontinuum generation with a 200-nJ Ti:sapphire oscillator*”, Conference on Lasers and Electro-Optics (CLEO Europe), Munich, Germany, poster (2007).
- [61] O. D. Mücke, D. Sidorov, **P. Dombi**, A. Pugzlys, A. Baltuska, S. Alisauskas, J. Pocius, L. Giniunas, R. Danielius „*Multimillijoule Optically Synchronized and Carrier-Envelope Phase-Stable Chirped Parametric Amplification at 1.5  $\mu\text{m}$* ”, Advanced Solid-State Photonics, Nara, Japan, postdeadline paper (2008).
- [62] O. D. Mücke, D. Sidorov, **P. Dombi**, A. Pugzlys, A. Baltuska, S. Alisauskas, J. Pocius, L. Giniunas, R. Danielius „*Multimillijoule Optically Synchronized and Carrier-Envelope Phase-Stable Chirped Parametric Amplification at 1.5  $\mu\text{m}$* ”, Conference on Lasers and Electro-Optics, San José, USA, CTuEE5 (2008).
- [63] O. D. Mücke, D. Sidorov, **P. Dombi**, A. Pugzlys, A. Baltuska, S. Alisauskas, J. Pocius, L. Giniunas, R. Danielius „*Multimillijoule Optically Synchronized and Carrier-Envelope Phase-Stable Chirped Parametric Amplification at 1.5  $\mu\text{m}$* ”, Ultrafast Phenomena, Stresa, Italy, WED4a.4 (2008).
- [64] **P. Dombi**, P. Rácz, M. Lenner, V. Pervak, F. Krausz, „*Dispersion management in femtosecond laser oscillators with highly dispersive mirrors*” CLEO Europe (Conference on Lasers and Electro-Optics), paper CF1.4, München, Germany (2009).
- [65] K. Varjú, J. A. Fülöp, **P. Dombi**, Gy. Farkas and J. Hebling, “*Attosecond Pulse Generation in Noble Gases in the Presence of Extreme High Intensity THz Pulses*”, Conference on Lasers and Electro-optics (CLEO), paper: JThE120 (2010).
- [66] P. Maák, M. Veress, R. Szipőcs, P. Antal, **P. Dombi**, P. Rácz, G. Kurdi, P. Richter, „*Akusztóoptikai eszközök alkalmazásai femtoszekundumos lézerimpulzusok kezelésére*” Fizikus Vándorgyűlés (in Hungarian), Pécs, Hungary (2010).
- [67] **P. Dombi**, P. Rácz, M. Lenner, N. Kroó, G. Farkas, A. Mitrofanov, A. Baltuska, T. Fuji, F. Krausz, S. E. Irvine, A. Elezzabi, „*Ultragyors fényforrásokkal keltett felületi plazmonok*”, Fizikus Vándorgyűlés (in Hungarian), Pécs, Hungary (2010).
- [68] J.-P. Chambaret, O. Chekhlov, G. Chériaux, J. Collier, R. Dabu, **P. Dombi** et al., “*Extreme Light Infrastructure: the laser sources and major challenges*,” 31st European Conference on Laser Interaction with Matter (ECLIM), paper Mo-9, Budapest, Hungary (2010).
- [69] E. Balogh, J. A. Fülöp, J. Hebling, **P. Dombi**, Gy. Farkas and K. Varjú, “*Attosecond Pulse Generation in Noble Gases in the Presence of Extreme High Intensity THz Pulses*”, 31st European Conference on Laser Interaction with Matter (ECLIM), paper Fr-11, Budapest, Hungary (2010).
- [70] K. Kovács, V. Tosa, **P. Dombi** and M. A. Porras, „*Generating phase-matched high-order harmonics using CEP controlled few-cycle pulses*,” 31st European Conference on Laser Interaction with Matter (ECLIM), paper P10, Budapest, Hungary (2010).

- [71] P. Rácz, S. E. Irvine, M. Lenner, N. Kroó, G. Farkas, T. Fuji, F. Krausz, A. Y. Elezzabi and **P. Dombi**, „*Few-cycle surface plasmon enhanced electron acceleration*”, 31st European Conference on Laser Interaction with Matter (ECLIM), paper Fr-12, Budapest, Hungary (2010).
- [72] **J. A. Fülöp, et al.** *Attosecond Pulse Generation in Noble Gases in the Presence of Extreme High Intensity THz Pulse*, Optical Terahertz Science and Technologies, Santa Barbara, USA (2011).

#### **Egyéb publikációk / Other publications**

- [72] I.N. Ross, C.J. Hooker, **P. Dombi**: „*A Grating Interferometer for the Recording of Large High Quality Gratings*”, Central Laser Facility, Annual Report 1999/2000, p.222-223 (Rutherford Appleton Laboratory, UK, 2000)
- [73] K. Osvay, Z. Bor, **P. Dombi**, I.E. Ferincz, J. Hebling, A.P. Kovács, G. Kurdi, K. Varjú: “*TeWaTi – A versatile fs laser system with controllable chirp and tuneable UV pulses*”, First General Meeting of the ULTRA Programme of the European Science Foundation, Coimbra, Portugal, paper 34 (2000)

**Péter Dombi's full citation list**  
**(No. of independent citations: 273)**

**Cited article:** Ross IN, Hooker CJ, **Dombi P**, *Efficient generation of large diffraction gratings using a grating interferometer*, APPLIED OPTICS 40, 6153-6156 (2001) (IF: 1.53/2 independent citations)

*Independent citation:*

Bekesi J, Meinertz J, Ihlemann J, et al. *Grating Interferometers for Efficient Generation of Large Area Grating Structures via Laser Ablation* JOURNAL OF LASER MICRO NANOENGINEERING 2 3 221-224 OCT (2007).

Bekesi J, Meinertz J, Ihlemann J, et al. *Fabrication of large-area grating structures through laser ablation* APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 1 27-31 OCT (2008).

**Cited article:** Osvay K, **Dombi P**, Kovács AP, Bor Z, *Fine tuning of the higher-order dispersion of a prismatic pulse compressor*, APPLIED PHYSICS B-LASERS AND OPTICS 75 (67): 649-654 FEB 2002 (IF:2.1, 5 independent and 4 self-citations)

*Independent citations:*

Duarte FJ *Generalized multiple-prism dispersion theory for laser pulse compression: higher order phase derivatives* APPLIED PHYSICS B-LASERS AND OPTICS 96 4 809-814 SEP 2009

Flickinger DA, Coffee RN, Gibson GN, et al. *Bichromatic, phase compensating interferometer based on prism pair compressors* APPLIED OPTICS 45 (24): 6187-6191 AUG 20 2006

Duarte FJ, *Tunable Laser Applications*, CRC Press, 2008.

Duarte FJ *Generalized multiple-prism dispersion theory for laser pulse compression: higher order phase derivatives* APPLIED PHYSICS B-LASERS AND OPTICS 96 4 809-814 SEP 2009

Ramirez-Corral CY, Rosete-Aguilar M, Garduno-Mejia J *Third-order dispersion in a pair of prisms* JOURNAL OF MODERN OPTICS 56 15 1659-1669 2009

*Self-citations:*

Kovács AP, Osvay K, Kurdi G, et al. *Dispersion control of a pulse stretcher-compressor system with two-dimensional spectral interferometry* APPLIED PHYSICS B-LASERS AND OPTICS 80 (2): 165-170 FEB 2005

Osvay K, Kovács AP, Heiner Z, et al. *Angular dispersion and temporal change of femtosecond pulses from misaligned pulse compressors* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 10 (1): 213-220 JAN-FEB 2004

Osvay K, Varju K, Kurdi G *High order dispersion control for femtosecond CPA lasers* APPLIED PHYSICS B-LASERS AND OPTICS 4 565-572 DEC 2007

Osvay K, Borzsonyi A, Kovacs AP, et al. *Dispersion of femtosecond laser pulses in beam pipelines from ambient pressure to 0.1mbar* APPLIED PHYSICS B-LASERS AND OPTICS 3 457-461 MAY 2007

**Cited article:** Yakovlev VS, **Dombi P**, Tempea G, Lemell C, Burgdörfer J, Udem T, Apolonski A, *Phase-stabilized 4-fs pulses at the full oscillator repetition rate for a photoemission experiment*, APPLIED PHYSICS B-LASERS AND OPTICS 76 (3), 329-332 MAR 2003 (IF:2.01, 18 independent and 8 self-citations)

*Independent citations:*

Baltuska A, Uiberacker M, Goulielmakis E, et al. *Phase-controlled amplification of few-cycle laser pulses* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 9 (4): 972-989 JUL-AUG 2003

Binhammer T, Rittweger E, Ell R, et al. *Prism-based pulse shaper for octave spanning spectra* IEEE JOURNAL OF QUANTUM ELECTRONICS 41 (12): 1552-1557 DEC 2005

Chelkowski S, Bandrauk AD *Asymmetries in strong-field photoionization by few-cycle laser pulses: Kinetic-energy spectra and semiclassical explanation of the asymmetries of fast and slow electrons* PHYSICAL REVIEW A 71 (5): Art. No. 053815 MAY 2005

Bandrauk AD, Sedik EWS, Matta CF, *Effect of absolute laser phase on reaction paths in laser-induced chemical reactions* JOURNAL OF CHEMICAL PHYSICS 121 (16): 7764-7775 OCT 22 2004

Steinmeyer G, *Dispersion compensation by microstructured optical devices in ultrafast optics* APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 79 (7): 1663-1671 NOV 2004

Osvay K, Kovacs AP, Heiner Z, Kurdi G, Klebniczki J, Csatari M, *Angular dispersion and temporal change of femtosecond pulses from misaligned pulse compressors* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 10 (1): 213-220 JAN-FEB 2004

O'Keefe K, Jochl P, Drexel H, Grill V, Krausz F, Lezius M, *Carrier-envelope phase measurement using a non phase stable laser* APPLIED PHYSICS B-LASERS AND OPTICS 78 (5): 583-587 MAR 2004

Witte S, Zinkstok RT, Hogervorst W, Eikema KSE, *Control and precise measurement of carrier-envelope phase dynamics* APPLIED PHYSICS B-LASERS AND OPTICS 78 (1): 5-12 JAN 2004

Steinmeyer G *Femtosecond dispersion compensation with multilayer coatings: toward the optical octave* APPLIED OPTICS 45 (7): 1484-1490 MAR 1 2006

Baltuska A, Paulus GG, Lindner F et al. *Generation and Measurement of Intense Phase-Controlled Few-Cycle Laser Pulses* in: Femtosecond Optical Frequency Comb: Principle, Operation, and Applications, Springer, US (2006)

Hommelhoff P, Kealhofer C, Kasevich MA *Femtosecond laser meets field emission tip - a sensor for the carrier envelope phase?* Proceedings of the 2006 IEEE International Frequency Control Symposium and Exposition, Vols 1 and 2 470-474 2006

Hommelhoff P, Kealhofer C, Kasevich MA *A spatially and temporally localized sub-laser cycle electron source*, Springer Series in Chemical Physics 88, 746-748 2007

Kamal MTED, Sedik EWS, Talaat H *Laser Induced Potential Energy Surface Crossing in Ion-Molecule Reactions: Application to  $Li^{++}CH_4$*  ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS 222 12 1693-1701 2008

Talaat H, Sedik EWS, Kamal MTED *Laser Control of Atom-Molecule Reaction: Application to  $Li + CH_4$  Reaction* ADVANCED STUDIES IN THEORETICAL PHYSICS, 3 11 439-450 2009

Amorim AA, Tognetti M, Oliveira P, Bernardo LM, Kärtner FX, Crespo H, *Experimental demonstration of sub-two-cycle soliton-effect pulse compression in a photonic crystal fiber* CLEO/Europe - EQEC 2009 - European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference, art. no. 5196370 2009

Amorim AA, Tognetti MV, Oliveira P, et al. *Sub-two-cycle pulses by soliton self-compression in highly nonlinear photonic crystal fibers* OPTICS LETTERS 34 24 3851-3853 DEC 15 2009

Talaat H, Sedik ES, Kamal MTE *Laser Control of Ion/Atom-Molecule Interaction: Application to  $(X + CH_4, X = Li^+ \text{ and } Li)$  Reactions* BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN 83 5 479-485 MAY 15 2010

Kieu K, Jones RJ, Peyghambarian N *Generation of Few-Cycle Pulses From an Amplified Carbon Nanotube Mode-Locked Fiber Laser System* IEEE PHOTONICS TECHNOLOGY LETTERS 22 20 1521-1523 OCT 15 2010

#### *Self-citations:*

Chelkowski S, Bandrauk AD, Apolonski A, *Phase-dependent asymmetries in strong-field photoionization by few-cycle laser pulses* PHYSICAL REVIEW A 70 (1): Art. No. 013815 JUL 2004

Chelkowski S, Bandrauk AD, Apolonski A, *Measurement of the carrier-envelope phase of few-cycle laser pulses by use of asymmetric photoionization* OPTICS LETTERS 29 (13): 1557-1559 JUL 1 2004

Apolonski A, Dombi P, Paulus GG, et al. *Observation of light-phase-sensitive photoemission from a metal* PHYSICAL REVIEW LETTERS 92 (7): Art. No. 073902 FEB 20 2004

Dombi P, Apolonski A, Lemell C, et al. *Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime* NEW JOURNAL OF PHYSICS 6: Art. No. 39 MAR 29 2004

Kalashnikov VL, Dombi P, Fuji T, et al. *Maximization of supercontinua in photonic crystal fibers by using double pulses and polarization effects* APPLIED PHYSICS B-LASERS AND OPTICS 77 (2-3): 319-324 SEP 2003

Dombi P, Yakovlev VS, O'Keeffe K, et al. *Pulse compression with time-domain optimized chirped mirrors* OPTICS EXPRESS 13 (26): 10888-10894 DEC 26 2005

Dombi P, Antal P, Fekete J, et al. *Chirped-pulse supercontinuum generation with a long-cavity Ti : sapphire oscillator* APPLIED PHYSICS B-LASERS AND OPTICS 3 379-384 AUG 2007

Pervak V, Tikhonravov AV, Trubetskov MK, et al. *1.5-octave chirped mirror for pulse compression down to sub-3 fs* APPLIED PHYSICS B-LASERS AND OPTICS 1 5-12 MAR 2007

**Cited article:** Kalashnikov VL, **Dombi P**, Fuji T, Wadsworth WJ, Knight JC, Russell PSJ, Windeler RS, Apolonski A, *Maximization of supercontinua in photonic crystal fibers by using double pulses and polarization effects* APPLIED PHYSICS B-LASERS AND OPTICS 77 (2-3), 319-324 SEP 2003 (IF:2.01, 4 independent and 3 self-citations)

*Independent citations:*

Zheltikov A, *Supercontinuum generation* APPLIED PHYSICS B-LASERS AND OPTICS 77 (2-3): 143-147 SEP 2003

Dudley JM, Genty G, Coen S *Supercontinuum generation in photonic crystal fiber* REVIEWS OF MODERN PHYSICS 78 (4): 1135-1184 OCT-DEC 2006

Leonard J, Lecong N, Likforman JP, et al. *Near-UV supercontinua generated in photonic crystal fibers for femtosecond spectroscopy* - art. no. 61822R , Proc. SPIE 6182 R1822-R1822 2006

Genty G, *Supercontinuum generation in microstructured fibers and novel optical measurement techniques*, Ph. D. Thesis, Helsinki University of Technology (2004).

*Self-citations:*

Li YF, Salisbury FC, Zhu ZM, et al. *Interaction of supercontinuum and Raman solitons with microstructure fiber gratings* OPTICS EXPRESS 13 (3): 998-1007 FEB 7 2005

Fortier TM, Cundiff ST, Lima IT, et al. *Nonlinear polarization evolution of ultrashort pulses in microstructure fiber* OPTICS LETTERS 29 (21): 2548-2550 NOV 1 2004

Kalashnikov VL, Sorokin E, Naumov S, et al. *Low-threshold supercontinuum generation from an extruded SF6PCF using a compact Cr4+: YAG laser* APPLIED PHYSICS B-LASERS AND OPTICS 79 (5): 591-596 SEP 2004

**Cited conference contribution:** **Dombi P**, Apolonski A, Paulus GG, Kakehata M, Holzwarth R, Udem T, Lemell C, Burgdörfer J, Hänsch TW, Krausz F: *"Solid-state light phase detector"* CLEO/QELS, BALTIMORE, MARYLAND, USA, POSTDEADLINE PAPER QTHPDA4 (2003) (1 independent citation)

*Independent citation:*

Schibli TR, Kuzucu O, Kim JW, Ippen EP, Fujimoto JG, Kaertner FX, Scheuer V, Angelow G, *Toward single-cycle laser systems* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 9 (4): 990-1001 JUL-AUG 2003

**Cited article:** **Dombi P**, Apolonski A, Lemell C, Paulus GG, Kakehata M, Holzwarth R, Udem T, Torizuka K, Burgdörfer J, Hänsch TW, Krausz F, *Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime*, NEW JOURNAL OF PHYSICS 6: Art. No. 39 MAR 29 2004 (IF:3.1, 19 independent and 7 self-citations)

*Independent citations:*

Roos PA, Cundiff ST *Using quantum interference in semiconductors to control the phase of ultrashort laser pulses* LASER PHYSICS 15 (6): 769-779 JUN 2005

Roos PA, Li XQ, Pipis JA, Fortier TM, Cundiff ST, Bhat RDR, Sipe JE, *Characterization of carrier-envelope phase-sensitive photocurrent injection in a semiconductor* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 22 (2): 362-368 FEB 2005

Cheng TW, Brown A, *Carrier-envelope phase effects for a dipolar molecule interacting with two-color pump-probe laser pulses* PHYSICAL REVIEW A 70 (6): Art. No. 063411 DEC 2004

Roos PA, Li XQ, Pipis JA, Cundiff ST *Solid-state carrier-envelope-phase noise measurements with intrinsically balanced detection* OPTICS EXPRESS 12 (18): 4255-4260 SEP 6 2004

Makris MG, Lambropoulos P *Measuring the initial phase of few-cycle laser pulses through few-photon ionization* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 37 (11): 2247-2254 JUN 14 2004

Hasovic E, Milosevic DB, Becker W, *A method of carrier-envelope phase control for few-cycle laser pulses* LASER PHYSICS LETTERS 3 (4): 200-204 APR 2006

Zhang XM, Zhang JT, Bai LH, et al. *A scaling law of photoionization in ultrashort pulses* CHINESE PHYSICS LETTERS 23 (7): 1803-1805 JUL 2006

Hommelhoff P, Kealhofer C, Kasevich MA *Femtosecond laser meets field emission tip - a sensor for the carrier envelope phase?* Proceedings of the 2006 IEEE International Frequency Control Symposium and Exposition, Vols 1 and 2 470-474 2007

Varro S *Reflection of a few-cycle laser pulse on a metal nano-layer: generation of phase dependent wake-fields* LASER PHYSICS LETTERS 4 (2): 138-144 FEB 2007

Varro S *Scattering of a few-cycle laser pulse by a plasma layer: the role of the carrier-envelope phase difference at relativistic intensities* LASER PHYSICS LETTERS 4 (3): 218-225 MAR 2007

Ryabinina MV, Melnikov LA, *Phase-sensitive ionization and recombination of anti-hydrogen atom using zero-duration high intensity laser pulse*, AIP CONFERENCE PROCEEDINGS 796: 325-329 2005

Zimmerman M, *Genaue Messungen mit Femtosekundenfrequenzkammen*, Ph. D. Thesis, Ludwig-Maximilians-Universität, München, Germany 2005

Wytrykus D, *Design and characterization of a source of ultrashort electron pulses at a MHz repetition rate*, M. Sc. Thesis, Technische Universität München, Germany 2008

Xia KY, Gong SQ, Niu YP, Li R-X, Xu Z-Z, *Accurate determination of the absolute phase and temporal-pulse phase of few-cycle laser pulses* CHINESE PHYSICS 16 Pages: 472-477 FEB 2007

Varro S *Linear and nonlinear absolute phase effects in interactions of ultrashort laser pulses with a metal nano-layer or with a thin plasma layer* LASER AND PARTICLE BEAMS 3 379-390 SEP 2007

Georges AT, Karatzas NE *Modeling of ultrafast interferometric three-photon photoemission from a metal surface irradiated with sub-10-fs laser pulses* PHYSICAL REVIEW B 77 (8) 085436 FEB 2008

Gimpel H, *Erzeugung und Anwendung intensiver ultrakurzer Lichtpulse mit stabiler Träger-einhüllenden-Phase*, Dissertation, Universität Heidelberg, Fakultät für Physik und Astronomie, 2006

Hu Z, Singha S, Gordon RJ *Controlling the photoluminescence of gallium arsenide with trains of ultrashort laser pulses* PHYSICAL REVIEW B 82 11 SEP 10 2010

Chipperfield LE, Robinson JS, Knight PL, et al. *The generation and utilization of half-cycle cut-offs in high harmonic spectra* LASER & PHOTONICS REVIEWS 4 6 697-719 NOV 2010

#### **Self-citations:**

Schatzel MG, Lindner F, Paulus GG, et al. *Long-term stabilization of the carrier-envelope phase of few-cycle laser pulses* APPLIED PHYSICS B-LASERS AND OPTICS 79 (8): 1021-1025 DEC 2004

Paulus GG *A meter of the "absolute" phase of few-cycle laser pulses* LASER PHYSICS 15 (6): 843-854 JUN 2005

Dombi P, Krausz F, Farkas G, *Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metals* JOURNAL OF MODERN OPTICS 53 (1-2): 163-173 JAN 10-20 2006

Milosevic DB, Paulus GG, Bauer D, et al. *Above-threshold ionization by few-cycle pulses* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 39 (14): R203-R262 JUL 28 2006

Takehata M, Takada H, Kobayashi Y, et al. *Generation of optical-field controlled high-intensity laser pulses* JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY 182 (3): 220-224 Sp. Iss. SI SEP 10 2006

Irvine SE, Dombi P, Farkas G, et al. *Influence of the carrier-envelope phase of few-cycle pulses on ponderomotive surface-plasmon electron acceleration* PHYSICAL REVIEW LETTERS 97 (14): Art. No. 146801 OCT 6 2006

Dombi P, Racz P *Ultrafast monoenergetic electron source by optical waveform control of surface plasmons* OPTICS EXPRESS 16 (5): 2887-2893 MAR 3 2008

**Cited article:** Apolonski A, **Dombi P**, Paulus GG, Kakehata M, Holzwarth R, Udem T, Lemell C, Torizuka K, Burgdörfer J, Hänsch TW, Krausz F, *Observation of light-phase-sensitive photoemission from a metal* PHYSICAL REVIEW LETTERS 92 (7): Art. No. 073902 FEB 20 2004 (IF:7.2, 92 independent and 13 self-citations)

*Independent citations:*

Guimaraes FF, Kimberg V, Gel'mukhanov F, Agren H, *Two-color phase-sensitive x-ray pump-probe spectroscopy* PHYSICAL REVIEW A 70 (6): Art. No. 062504 DEC 2004

Cheng TW, Brown A, *Carrier-envelope phase effects for a dipolar molecule interacting with two-color pump-probe laser pulses*, PHYSICAL REVIEW A 70 (6): Art. No. 063411 DEC 2004

Manzoni C, Cerullo G, De Silvestri S *Ultrabroadband self-phase-stabilized pulses by difference-frequency generation* OPTICS LETTERS 29 (22): 2668-2670 NOV 15 2004

Hu SX, Collins LA, *Phase control of the inverse above-threshold-ionization process with few-cycle pulses*, PHYSICAL REVIEW A 70 (3): Art. No. 035401 SEP 2004

Mucke OD, Tritschler T, Wegener M, Morgner U, Kartner FX, Khitrova G, Gibbs HM, *Carrier-wave Rabi flopping: role of the carrier-envelope phase* OPTICS LETTERS 29 (18): 2160-2162 SEP 15 2004

Roos PA, Li XQ, Pipis JA, Cundiff ST *Solid-state carrier-envelope-phase noise measurements with intrinsically balanced detection* OPTICS EXPRESS 12 (18): 4255-4260 SEP 6 2004

Fortier TM, Roos PA, Jones DJ, Cundiff ST, Bhat RDR, Sipe JE, *Carrier-envelope phase-controlled quantum interference of injected photocurrents in semiconductors* PHYSICAL REVIEW LETTERS 92 (14): Art. No. 147403 APR 9 2004

Jones DJ, Cundiff ST, Fortier TM, et al. *Carrier-envelope phase stabilization of single and multiple femtosecond lasers* FEW-CYCLE LASER PULSE GENERATION AND ITS APPLICATIONS Book Series: TOPICS IN APPLIED PHYSICS 95 317-342 2004

Haverkamp N, *Phasenkohärenz in Femtosekunden-Superkontinua aus Mikrostruktur-Glasfasern*, Ph. D. Thesis, Physikalisches-Technische Bundesanstalt, Braunschweig, Germany 2004

Astapenko VA, *Coherent phase control of excitation of atoms by bichromatic laser radiation in an electric field*, QUANTUM ELECTRONICS 35 6 541-546 2005

Jirauschek C, Duan L, Mucke OD, et al. *Carrier-envelope phase-sensitive inversion in two-level systems* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 22 (10): 2065-2075 OCT 2005

Stockman MI, Hewageegana, P, *Nanolocalized nonlinear electron photoemission under coherent control*, NANO LETTERS 5 (11), 2325-2329 2005

Javanainen J, *Early Days of the One-Dimensional Atom* LASER PHYSICS 15 10 1428-1431 OCT 2005

Jiang YY, Bi ZY, Robertsson L, et al. *A collinear self-referencing, set-up for control of the carrier-envelope offset frequency in Ti: sapphire femtosecond laser frequency combs* METROLOGIA 42 (4): 304-307 AUG 2005

Guimaraes FF, Kimberg V, Felicissimo VC, et al. *Infrared-x-ray pump-probe spectroscopy of the NO molecule* PHYSICAL REVIEW A 72 (1): Art. No. 012714 Part A-B JUL 2005

Chelkowski S, Bandrauk AD *Asymmetries in strong-field photoionization by few-cycle laser pulses: Kinetic-energy spectra and semiclassical explanation of the asymmetries of fast and slow electrons* PHYSICAL REVIEW A 71 (5): Art. No. 053815 MAY 2005

Guimaraes FF, Kimberg V, Felicissimo VC, et al. *Phase-sensitive x-ray absorption driven by strong infrared fields* PHYSICAL REVIEW A 71 (4): Art. No. 043407 APR 2005

Roos PA, Cundiff ST *Using quantum interference in semiconductors to control the phase of ultrashort laser pulses* LASER PHYSICS 15 (6): 769-779 JUN 2005

- Lee YS, Sung JH, Nam CH, et al. *Novel method for carrier-envelope-phase stabilization of femtosecond laser pulses* OPTICS EXPRESS 13 (8): 2969-2976 APR 18 2005
- Felicissimo VC, Guimaraes FF, Gel'mukhanov F, et al. *The principles of infrared-x-ray pump-probe spectroscopy. Applications on proton transfer in core-ionized water dimers* JOURNAL OF CHEMICAL PHYSICS 122 (9): Art. No. 094319 MAR 1 2005
- Tong XM, Lin CD, *Double photoexcitation of He atoms by attosecond xuv pulses in the presence of intense few-cycle infrared lasers* PHYSICAL REVIEW A 71 (6): Art. No. 033406 MAR 2005
- Hu SX, Collins LA, *Imaging molecular structures by electron diffraction using an intense few-cycle pulse* PHYSICAL REVIEW LETTERS 94 (7): Art. No. 073004 FEB 25 2005
- Morita R, K Yamane, M Adachi, M Yamashita, *Nonlinear optical phenomena in gas-filled or microstructured fibers for few-to mono-cycle pulses*, International Quantum Electronics Conference ISBN: 0-7803-9240-X pp. 544-545 2005
- Jones DJ, Cundiff ST, Fortier TM, et al. *Carrier-envelope phase stabilization of single and multiple femtosecond lasers* TOPICS IN APPLIED PHYSICS 95: 317-342 2004
- Roos PA, Li XQ, Pipis JA, Fortier TM, Cundiff ST, Bhat RDR, Sipe JE, *Characterization of carrier-envelope phase-sensitive photocurrent injection in a semiconductor* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 22 (2): 362-368 FEB 2005
- Roos PA, Li YQ, Smith RP, et al. *Carrier-envelope phase stabilization using single-pulse coherent control in a semiconductor* 2005 Conference on Lasers & Electro-Optics (CLEO), Vols 1-3 1626-1628 2005
- Fortier TM, Bartels A, Diddams SA *A 600 MHz octave-spanning femtosecond laser for optical frequency measurements and comparisons* 2005 Conference on Lasers & Electro-Optics (CLEO), Vols 1-3 1632-1634 2005
- Yamane K, T Naoi, A Suguro, R Morita, M Yamashita, *Generation of carrier-envelop-phase stabilized 3.3-fs optical pulses*, Conference on Lasers and Electro-Optics Europe, pp. 384, art. No. 1568163 2005
- Sennaroglu A, *Solid-State Lasers and Applications*, ISBN 0849335892 CRC Press 2006
- Ell R, Birge JR, Kärtner FX, *Control of carrier-envelope phase by a composite glass plate*, Conference on Lasers and Electro-Optics and 2006 Quantum Electronics and Laser Science Conference, CLEO/QELS 2006, art. no. 4628346 2006
- Kreß M, Löffler T, Thomson MD, Dörner R, Gimpel H, Zrost K, Ergler T, Roskos, H.G., *Carrier-envelope-phase dependent down-conversion of intense few-cycle laser-pulses to terahertz frequencies* Conference on Lasers and Electro-Optics and 2006 Quantum Electronics and Laser Science Conference, CLEO/QELS 2006, art. no. 4628344 2006
- Hu SX, Collins LA, *Strong-field ionization of molecules in circularly polarized few-cycle pulses* PHYSICAL REVIEW A 73 (2): Art. No. 023405 FEB 2006
- Faraggi MN, Gravielle MS, Silkin VM, *Photoelectron emission from metal surfaces by ultrashort laser pulses* PHYSICAL REVIEW A 73 (3): Art. No. 032901 MAR 2006
- Irvine SE, Elezzabi AY, *Femtosecond electron pulse gating using surface plasmons* OPTICS EXPRESS 14 (9): 4115-4127 MAY 1 2006
- Hommelhoff P, Sortais Y, Aghajani-Talesh A, et al. *Field emission tip as a nanometer source of free electron femtosecond pulses* PHYSICAL REVIEW LETTERS 96 (7): Art. No. 077401 FEB 24 2006
- Ishizawa A, Nakano H *Measurement of the true value of the carrier-envelope phase of a few-cycle laser pulse by the interference between second and third harmonics from the surface of a solid* JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS BRIEF COMMUNICATIONS & REVIEW PAPERS 45 (5A): 4087-4089 MAY 2006
- Kress M, Löffler T, Thomson MD, et al. *Determination of the carrier-envelope phase of few-cycle laser pulses with terahertz-emission spectroscopy* NATURE PHYSICS 2 (5): 327-331 MAY 2006

- Cundiff ST *Femtosecond comb technology* JOURNAL OF THE KOREAN PHYSICAL SOCIETY 48 (6): 1181-1187 JUN 2006
- Tong XM, Hino K, Toshima N *Phase-dependent atomic ionization in few-cycle intense laser fields* PHYSICAL REVIEW A 74 (3): Art. No. 031405 SEP 2006
- Hommelhoff P, Kealhofer C, Kasevich MA *Ultrafast electron pulses from a tungsten tip triggered by low-power femtosecond laser pulses* PHYSICAL REVIEW LETTERS 97 (24): Art. No. 247402 DEC 15 2006
- Stockman MI, Li K, Brasselet S, et al. *Octupolar metal nanoparticles as optically driven, coherently controlled nanorotors* CHEMICAL PHYSICS LETTERS 433 (1-3): 130-135 DEC 29 2006
- Marangos JP, Baker S, Robinson JS, et al. *Probing attosecond dynamics by laser driven electron recollisions* Atomic Physics 20, AIP CONFERENCE PROCEEDINGS 869 303-311 2006
- Hommelhoff P, Kealhofer C, Kasevich MA, *Femtosecond laser meets field emission tip - a sensor for the carrier envelope phase*, International Frequency Control Symposium and Exposition IEEE 470-474, 2006
- Gimpel H, *Erzeugung und Anwendung intensiver ultrakurzer Lichtpulse mit stabiler Träger-einhüllenden-Phase, Dissertation*, Universität Heidelberg, Fakultät für Physik und Astronomie, 2006
- Ishizawa A, Nakano H *Carrier-envelope phase detection by interference between surface harmonics* Ultrafast Optics V SPRINGER SERIES IN OPTICAL SCIENCES 132 73-79 2007
- Haworth CA, Chipperfield LE, Robinson JS, et al. *Half-cycle cutoffs in harmonic spectra and robust carrier-envelope phase retrieval* NATURE PHYSICS 3 (1): 52-57 JAN 2007
- Varro S *Reflection of a few-cycle laser pulse on a metal nano-layer: generation of phase dependent wake-fields* LASER PHYSICS LETTERS 4 (2): 138-144 FEB 2007
- Varro S *Scattering of a few-cycle laser pulse by a plasma layer: the role of the carrier-envelope phase difference at relativistic intensities* LASER PHYSICS LETTERS 4 (3): 218-225 MAR 2007
- Xia KY, Gong SQ, Niu YP, et al. CHINESE PHYSICS 16 Pages: 472-477 FEB 2007
- Tong XM, Lin CD, JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 40 Pages: 641-649 FEB 14 2007
- Xia KY, Niu YP, Li CF, et al. PHYSICS LETTERS A 361 Pages: 173-177 JAN 22 2007
- Van Vlack C, Hughes S PHYSICAL REVIEW LETTERS 98 Article Number: 167404 APR 20 2007
- Wu CY, Liang QQ, Liu M, et al. PHYSICAL REVIEW A 75 Article Number: 043408 APR 2007
- Stockman MI, Hewageegana P APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 89 Pages: 247-250 NOV 2007
- Varro S LASER AND PARTICLE BEAMS 25 Pages: 379-390 SEP 2007
- Yang WF, Song XH, Gong SQ, et al. PHYSICAL REVIEW LETTERS 99 Article Number: 133602 SEP 28 2007
- Nguyen-Dang TT, Sinelnikov E, PHYSICAL REVIEW A 76 Article Number: 052118 NOV 2007
- Durach M, Rusina A, Stockman MI, Nelson K, *Toward full spatiotemporal control on the nanoscale*, NANO LETTERS 7 (10), 3145-3149 2007
- Georges AT, Karatzas NE, *Modeling of ultrafast interferometric three-photon photoemission from a metal surface irradiated with sub-10-fs laser pulses*, PHYSICAL REVIEW B 77 (8): Art. No. 085436 FEB 2008
- Lan PF, Lu PX, Li F, Li YH, Yang ZY, *Carrier-envelope phase measurement from half-cycle high harmonics*, OPTICS EXPRESS 16 (8): 5868-5873 APR 14 2008
- Kling MF, Vrakking MJJ, *Attosecond electron dynamics*, ANNUAL REVIEW OF PHYSICAL CHEMISTRY 59: 463-492 2008
- Kling MF, Rauschenberger J, Verhoef AJ, Hasović E, Uphues T, Milošević DB, Müller HG, Vrakking MJJ, *Imaging of carrier-envelope phase effects in above-threshold ionization with intense few-cycle laser fields*, NEW JOURNAL OF PHYSICS 10, 025024 2008

- Arustamyan MG, Astapenko VA, *Phase control of the excitation of a two-level system with short laser pulses*, LASER PHYSICS 18 (6): 768-773 JUN 2008
- Luo J, Xia KY, Niu YP, Gong SQ, *The local-field corrective effect on Rabi oscillation of ultrashort pulse excitation in semiconductor GaAs*, JOURNAL OF MODERN OPTICS 55 (11): 1713-1722 2008
- Niu YP, Cui N, Xiang Y, et al. *The effect of electric field maximum on the Rabi flopping and generated higher frequency spectra* NEW JOURNAL OF PHYSICS 10 103028 OCT 31 2008
- Rausch S, Binhammer T, Harth A, Kim J, Ell R, Kartner FX, Morgner U, *Controlled waveforms on the single-cycle scale from a femtosecond oscillator*, OPTICS EXPRESS 13: 9739-9745 JUN 23 2008
- Rausch S, Binhammer T, Harth A, et al. *Few-cycle femtosecond field synthesizer* OPTICS EXPRESS 16 22 17410-17419 OCT 27 2008
- Rausch S, Binhammer T, Harth A, et al. *Few-cycle femtosecond field synthesizer* 2008 CONFERENCE ON LASERS AND ELECTRO-OPTICS VOLS 1-9 Pages: 11-12 2008
- Van Vlack C, Hughes S, *Ultrafast carrier-envelope-offset phase control of optical rectification in resonantly excited semiconductors* 2008 CONFERENCE ON LASERS AND ELECTRO-OPTICS VOLS 1-9 Pages: 2998-2999 2008
- Baggesen JC, Madsen LB *Theory for time-resolved measurements of laser-induced electron emission from metal surfaces* PHYSICAL REVIEW A 78 3 032903 SEP 2008
- Arustamyan MG, Astapenko VA *Phase control of oscillator excitation under the action of ultrashort laser pulses* LASER PHYSICS 18 9 1031-1036 SEP 2008
- Luo J, Xia KY, Niu YP, et al. *The local-field corrective effect on Rabi oscillation of ultrashort pulse excitation in semiconductor GaAs* JOURNAL OF MODERN OPTICS Volume: 55 Issue: 11 Pages: 1713-1722 Published: 2008
- Arustamyan MG, Astapenko VA *Phase control of the excitation of a two-level system with short laser pulses* LASER PHYSICS 18 6 768-773 JUN 2008
- Micheau S, Chen ZJ, Le AT, et al. *Accurate Retrieval of Target Structures and Laser Parameters of Few-Cycle Pulses from Photoelectron Momentum Spectra* PHYSICAL REVIEW LETTERS 102 7 FEB 20 2009
- Micheau S, Chen ZJ, Morishita T, et al. *Robust carrier-envelope phase retrieval of few-cycle laser pulses from high-energy photoelectron spectra in the above-threshold ionization of atoms* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 42 6 MAR 28 2009
- Arbo DG, Persson E, Dimitriou KI, et al. *Carrier-envelope phase dependence in atomic ionization by short-laser pulses* NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 267 2 330-333 JAN 2009
- Zhang CJ, Yang WF, Song XH, et al. *Phase control of higher spectral components in the presence of a static electric field* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 42 055602 MAR 14 2009
- Yang WF, Song XH, Zhang CJ, et al. *Carrier-envelope phase-dependent transmitted spectra in inversion-asymmetric media with permanent dipole moments* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 42 17 SEP 14 2009
- Porras MA *Characterization of the electric field of focused pulsed Gaussian beams for phase-sensitive interactions with matter* OPTICS LETTERS 34 10 1546-1548 MAY 15 2009
- Radnor SBP, P Kinsler, GHC *New Proposal for absolute CEP measurement using 0-to-f self-referencing* Arxiv preprint arXiv:0903.2935, 2009.
- Lan PF, Lu PX, Liao Q, et al. *Phase-dependent photoionization in the oversaturation regime* PHYSICAL REVIEW A 79 3 033820 MAR 2009
- Astapenko VA, Romadanovskii MS *Excitation of a two-level system by a chirped laser pulse* LASER PHYSICS 19 5 969-973 MAY 2009
- Baggesen JC, Madsen LB *Secondary-electron cascade in attosecond photoelectron spectroscopy from metals* PHYSICAL REVIEW A 80, 030901 2009

Baggesen JC, *Laser Assisted Photoelectric Effect from Metal Surfaces*, Ph. D. progress report, Aarhus University, 2009

Thomann I, *Generation, Temporal Characterization and Applications of Femtosecond-/ Attosecond Extreme Ultraviolet Pulses*, Ph. D. Thesis, University of Colorado, 2009

Rausch S, Binhammer T, Harth A, et al. *Few-cycle oscillator pulse train with constant carrier-envelope-phase and 65 as jitter* OPTICS EXPRESS 17 22 20282-20290 OCT 26 2009

Astapenko VA *Simple formula for photoprocesses in ultrashort electromagnetic field* PHYSICS LETTERS A 374 13-14 1585-1590 MAR 29 2010

Astapenko VA, Romadanovskii MS *Excitation of the Morse oscillator by an ultrashort chirped pulse* JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 110 3 376-382 MAR 2010

Ping Y, Correa AA, Ogitsu T, et al. *Warm dense matter created by isochoric laser heating* HIGH ENERGY DENSITY PHYSICS 6 2 Sp. Iss. SI 246-257 JUN 2010

Chipperfield LE, Robinson JS, Knight PL, et al. *The generation and utilization of half-cycle cut-offs in high harmonic spectra* LASER & PHOTONICS REVIEWS 4 6 697-719 NOV 2010

Astapenko VA *CALCULATION OF THE PROBABILITY OF PHOTOPROCESSES INDUCED BY ULTRASHORT ELECTROMAGNETIC PULSES* RUSSIAN PHYSICS JOURNAL 53 5 437-445 OCT 2010

Binhammer T, Rausch S, Jackstadt M, et al. *Phase-stable Ti:sapphire oscillator quasi-synchronously pumped by a thin-disk laser* APPLIED PHYSICS B-LASERS AND OPTICS 100 1 219-223 JUL 2010

Bormann R, Gulde M, Weismann A, et al. *Tip-Enhanced Strong-Field Photoemission* PHYSICAL REVIEW LETTERS 105 14 SEP 27 2010

*Self-citations:*

Gohle C, Rauschenberger J, Fuji T, et al. *Carrier envelope phase noise in stabilized amplifier systems* OPTICS LETTERS 30 (18): 2487-2489 SEP 15 2005

Lemell C, Tong XM, Tokesi K, et al. *Electron emission from surfaces induced by HCI and lasers* NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 235: 425-430 JUL 2005

Chelkowski S, Bandrauk AD, Apolonski A *Phase-dependent asymmetries in strong-field photoionization by few-cycle laser pulses* PHYSICAL REVIEW A 70 (1): Art. No. 013815 JUL 2004

Paulus GG *A meter of the "absolute" phase of few-cycle laser pulses* LASER PHYSICS 15 (6): 843-854 JUN 2005

Dombi P, Apolonski A, Lemell C, et al. *Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime* NEW JOURNAL OF PHYSICS 6: Art. No. 39 MAR 29 2004

O'Keeffe K, Jochl P, Drexel H, et al. *Carrier-envelope phase measurement using a non phase stable laser* APPLIED PHYSICS B-LASERS AND OPTICS 78 (5): 583-587 MAR 2004

Dombi P, Krausz F, Farkas G, *Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metals* JOURNAL OF MODERN OPTICS 53 (1-2): 163-173 JAN 10-20 2006

Milosevic DB, Paulus GG, Bauer D, et al. *Above-threshold ionization by few-cycle pulses* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 39 (14): R203-R262 JUL 28 2006

Irvine SE, Dombi P, Farkas G, et al. *Influence of the carrier-envelope phase of few-cycle pulses on ponderomotive surface-plasmon electron acceleration* PHYSICAL REVIEW LETTERS 97 (14): Art. No. 146801 OCT 6 2006

Verhoef AJ, Fernandez A, Lezius M, et al. *Few-cycle carrier envelope phase-dependent stereo detection of electrons* OPTICS LETTERS 31 (23): 3520-3522 DEC 1 2006

Arbo DG, Persson E, Burgdorfer J *Time double-slit interferences in strong-field tunneling ionization* PHYSICAL REVIEW A 74 (6): Art. No. 063407 DEC 2006

Kling MF, Rauschenberger J, Verhoef AJ et al., *Imaging of carrier-envelope phase effects in above-threshold ionization with intense few-cycle laser fields* NEW JOURNAL OF PHYSICS 10: 025024 FEB 29 2008

Dombi P, Racz P *Ultrafast monoenergetic electron source by optical waveform control of surface plasmons* OPTICS EXPRESS 16 (5): 2887-2893 MAR 3 2008

**Cited article:** Legare F, Lee KF, Litvinyuk IV, Dooley PW, Wesolowski SS, Bunker PR, **Dombi P**, Krausz F, Bandrauk AD, Villeneuve DM, Corkum PB *Laser Coulomb-explosion imaging of small molecules* PHYSICAL REVIEW A 71 (1): Art. No. 013415 JAN 2005 (IF:2.9, 18 independent and 4 self-citations)

*Independent citations:*

Yurchenko SN, Thiel W, Carvajal M, et al. *Rotation-vibration motion of pyramidal XY<sub>3</sub> molecules described in the Eckart frame: The calculation of intensities with application to NH<sub>3</sub>* ADVANCES IN QUANTUM CHEMISTRY 48: 209-238 2005

Yurchenko SN, Bunker PR, Jensen P, Coulomb explosion imaging: the CH<sub>3</sub><sup>+</sup> and H<sub>3</sub>O<sup>+</sup> molecules, JOURNAL OF MOLECULAR STRUCTURE 742 43-48 2005

Rudenko A, Ergler T, Feuerstein B, et al. *Real-time observation of vibrational revival in the fastest molecular system* CHEMICAL PHYSICS 329 (1-3): 193-202 Sp. Iss. SI OCT 26 2006

Hishikawa A, Takahashi EJ, Matsuda A *Electronic and nuclear responses of fixed-in-space H<sub>2</sub>S to ultrashort intense laser fields* PHYSICAL REVIEW LETTERS 97 (24): Art. No. 243002 DEC 15 2006

Brichta JP, Walker SJ, Helsten R, et al. *Ultrafast imaging of multielectronic dissociative ionization of CO<sub>2</sub> in an intense laser field* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 40 (1): 117-129 JAN 14 2007

Hatamoto T, Prumper G, Okunishi M, et al. PHYSICAL REVIEW A 75 Article Number: 061402 JUN 2007

Matsuda A, Takahashi EJ, Hishikawa A JOURNAL OF CHEMICAL PHYSICS 127 Article Number: 114318 SEP 21 2007

Urbasch G, Breunig HG, Weitzel KM Distinction of ortho- and para-xylene by femtosecond-laser mass spectrometry CHEMPHYSICHEM 15 2185-2188 OCT 22 2007

Isla M, Alonso JA Interaction of the charged deuterium cluster D-3(+) with femtosecond laser pulses JOURNAL OF PHYSICAL CHEMISTRY C 48 17765-17772 DEC 6 2007

Hishikawa A, Matsuda A, Fushitani M, et al. Visualizing recurrently migrating hydrogen in acetylene dication by intense ultrashort laser pulses PHYSICAL REVIEW LETTERS 25 DEC 21 2007

Hishikawa A, Matsuda A, Fushitani M, et al. *Visualizing recurrently migrating hydrogen by few-cycle intense laser pulses* XXV INTERNATIONAL CONFERENCE ON PHOTONIC, ELECTRONIC AND ATOMIC COLLISIONS 88 U450-U455 2007

Constant E, Mevel E *Controlling Light Polarization for Attosecond Pulse Generation* Progress in Ultrafast Intense Laser Science III, Springer Series in Chemical Physics 89, 219-242 2008

Brichta JP Laser-initiated Coulomb explosion imaging of small molecules, Ph. D. Thesis, University of Waterloo, Canada 2008

Brichta JP, Seaman AN, Sanderson JH *Ultrafast imaging of polyatomic molecules with simplex algorithm* COMPUTER PHYSICS COMMUNICATIONS 180 2 197-200 FEB 2009

McKenna J, Sayler AM, Gaire B, et al. *Benchmark Measurements of H-3+ Nonlinear Dynamics in Intense Ultrashort Laser Pulses* PHYSICAL REVIEW LETTERS 103 10 SEP 4 2009

Sturm FP, Schoffler M, Lee S, et al. *Photoelectron and Auger-electron angular distributions of fixed-in-space CO<sub>2</sub>* PHYSICAL REVIEW A 80 3 SEP 2009

Altucci C, Velotta R, Marangos JP Ultra-fast dynamic imaging: an overview of current techniques, their capabilities and future prospects JOURNAL OF MODERN OPTICS 57 11 916-952 2010

Borbely S, Tokesi K, Nagy L Ionization of the water by intense ultrashort half-cycle electric pulses EUROPEAN PHYSICAL JOURNAL D 59 3 337-348 SEP 2010

*Self-citations:*

Alnaser AS, Ulrich B, Tong XM, et al. *Simultaneous real-time tracking of wave packets evolving on two different potential curves in H-2(+) + and D-2(+)* PHYSICAL REVIEW A 72 (3): Art. No. 030702 SEP 2005

Legare F, Lee KF, Litvinyuk IV, et al. *Imaging the time-dependent structure of a molecule as it undergoes dynamics* PHYSICAL REVIEW A 72 (5): Art. No. 052717 NOV 2005

Legare F, Lee KF, Bandrauk AD, et al. *Laser Coulomb explosion imaging for probing ultra-fast molecular dynamics* JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 39 (13): S503-S513 JUL 14 2006

Lee KF, Villeneuve DM, Corkum PB, et al. *Field-free three-dimensional alignment of polyatomic molecules* PHYSICAL REVIEW LETTERS 97 (17): Art. No. 173001 OCT 27 2006

**Cited article:** Naumov S, Fernandez A, Graf R, **Dombi P**, Krausz F, Apolonski A, *Approaching the microjoule frontier with femtosecond laser oscillators* NEW JOURNAL OF PHYSICS 7: Art. No. 216 OCT 10 2005 (IF:3.1, 55 independent and 10 self-citations)

*Independent citations:*

Podivilov E, Kalashnikov VL, *Heavily-chirped solitary pulses in the normal dispersion region: New solutions of the cubic-quintic complex Ginzburg-Landau equation* JETP LETTERS 82 (8): 467-471 2005

Zhao LM, Tang DY, Wu J *Gain-guided soliton in a positive group-dispersion fiber laser* OPTICS LETTERS 31 (12): 1788-1790 JUN 15 2006

Dewald S, Lang T, Schroter CD, et al. *Ionization of noble gases with pulses directly from a laser oscillator* OPTICS LETTERS 31 (13): 2072-2074 JUL 1 2006

Marchese SV, Sudmeyer T, Golling M, et al. *Pulse energy scaling to 5 mu J from a femtosecond thin disk laser* OPTICS LETTERS 31 (18): 2728-2730 SEP 15 2006

Zhou XB, Kapteyn H, Murnane M *Positive-dispersion cavity-dumped Ti: sapphire laser oscillator and its application to white light generation* OPTICS EXPRESS 14 (21): 9750-9757 OCT 16 2006

Gattas RR, *Femtosecond-laser interactions with transparent materials: applications in micromachining and supercontinuum generation*, Ph. D. Thesis, Harvard University, Cambridge, Massachusetts, USA 2006

Dewald S, *Erzeugung intensiver Lichtfelder mit einem Laseroszillator und deren Wechselwirkung mit Atomen*, Ph. D. Thesis, Ruprecht-Karls-Universität, Heidelberg, Germany, 2006

Dewald S, Siegel M, Moshhammer R, Morgner U, *Generation of intense laser fields by a long-cavity oscillator*, Conference on Lasers and Electro-Optics and 2006 Quantum Electronics and Laser Science Conference, CLEO/QELS 2006, art. no. 4627737 2006

Morgner U, Killi A, Dewald S, Steinmann A, *High-energy laser pulses directly from the oscillator*, Conference on Lasers and Electro-Optics and 2006 Quantum Electronics and Laser Science Conference, CLEO/QELS 2006, art. no. 4628406 2006

Zhou XB, Kapteyn H, Murnane M *MHz-rate white light generation using a novel positive-dispersion cavity-dumped Ti: sapphire laser* Ultrafast Phenomena XV SPRINGER SERIES IN CHEMICAL PHYSICS 88 104-106 2007

Fuerbach A, Lenner M, Withford MJ NEW JOURNAL OF PHYSICS 9 Article Number: 248 AUG 1 2007

Ortac B, Schmidt O, Schreiber T, et al. OPTICS EXPRESS 15 Pages: 10725-10732 AUG 20 2007

Stowe MC, Thorpe MJ, Pe'er A, et al. *Direct frequency comb spectroscopy*, ADVANCES IN ATOMIC, MOLECULAR, AND OPTICAL PHYSICS 55 1-60 2008

Hartl I, Schibli TR, Marcinkevicius A, et al. OPTICS LETTERS 32 Pages: 2870-2872 OCT 1 2007

Marchese SV, Baer CRE, Peters R, et al. *Efficient femtosecond high power Yb : Lu2O3 thin disk laser* OPTICS EXPRESS 25 16966-16971 DEC 10 2007

- Ortaç B, Plotner M, Limpert J, et al. *Self-starting passively mode-locked chirped-pulse fiber laser* OPTICS EXPRESS 25 16794-16799 DEC 10 2007
- Witte SM, *Terawatt-intensity few-cycle laser pulses*, Ph. D. Thesis, Vrije Universiteit, Amsterdam, Holland 2007
- Ortaç B, Schmidt O, Schreiber T, Hideur A, Limpert J, Tünnermann A, *200 nJ pulse energy femtosecond Yb-doped dispersion compensation free fiber oscillator*, PROC. SPIE 6873, 68730R
- Marchese SV, Baer CRE, Engqvist AG, Hashimoto S, Maas DJHC, Golling M, Sudmeyer T, Keller U, *Femtosecond thin disk laser oscillator with pulse energy beyond the 10-microjoule level*, OPTICS EXPRESS 16 (9): 6397-6407 APR 28 2008
- Chen J, Knappe R, Viol W *Passively mode-locked Nd : YVO4 multipass resonator with low repetition rate*, LASER PHYSICS LETTERS 6: 425-428 JUN 2008
- Ortaç B, Schmidt O, Schreiber T, et al. *200 nJ pulse energy femtosecond Yb-doped dispersion compensation free fiber oscillator* FIBER LASERS V: TECHNOLOGY, SYSTEMS, AND APPLICATIONS Book Series: PROC. SPIE 6873 U97-U103 2008
- Sorokin E, Kalashnikov VL, Mandon J, et al. *Cr<sup>4+</sup>: YAG chirped-pulse oscillator* NEW JOURNAL OF PHYSICS 10 083022 AUG 15 2008
- Sudmeyer T, Marchese SV, Hashimoto S, et al. *Femtosecond laser oscillators for high-field science* NATURE PHOTONICS 2 10 599-604 OCT 2008
- Neuhaus J, Kleinbauer J, Killi A, et al. *Pulse energies exceeding 13 microjoules from a passively mode-locked Yb:YAG thin-disk oscillator by use of a self-imaging active multipass geometry* 2008 CONFERENCE ON LASERS AND ELECTRO-OPTICS VOLS 1-9 art. No. 4550942, Pages: 15-16 2008
- Neuhaus J, Bauer D, Zhang J, et al. *Subpicosecond thin-disk laser oscillator with pulse energies of up to 25.9 microjoules by use of an active multipass geometry* OPTICS EXPRESS 16 25 20530-20539 DEC 8 2008
- Kalashnikov VL, E Sorokin *Mode-locked oscillators in the positive and negative dispersion regimes: scenarios of destabilization*, arXiv:0807.1029, 2008
- Stowe MC, Thorpe MJ, Pe'er A, Ye J, Stalnaker JE, Gerginov V, Diddams SA, *Direct frequency comb spectroscopy*, ADVANCES IN ATOMIC, MOLECULAR AND OPTICAL PHYSICS, 55 1-60 2008
- Wytrykus D, *Design and characterization of a source of ultrashort electron pulses at a MHz repetition rate*, M. Sc. Thesis, Technische Universität München, Germany 2008
- Kalashnikov VL, Sorokin E, *Mode-locked oscillators in the positive and negative dispersion regimes: scenarios of destabilization*, International Conference "Laser Optics 2008" St.Petersburg, Russia, June 23-28, 2008
- Abdelalim MA, Logvin Y, Khalil DA, et al. *Properties and stability limits of an optimized mode-locked Yb-doped femtosecond fiber laser* OPTICS EXPRESS 17 4 2264-2279 FEB 16 2009
- Ruehl A, Wandt D, Morgner U, et al. *Normal Dispersive Ultrafast Fiber Oscillators* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 15 1 170-181 JAN-FEB 2009
- Kalashnikov VL, *The unified theory of chirped-pulse oscillators*, PROC. SPIE 7354, 73540T 2009
- Siegel M, Pfullmann N, Palmer G, et al. *Microjoule pulse energy from a chirped-pulse Ti:sapphire oscillator with cavity dumping* OPTICS LETTERS 34 6 740-742 MAR 15 2009
- Chang W, Soto-Crespo JM, Ankiewicz A, et al. *Dissipative soliton resonances in the anomalous dispersion regime* PHYSICAL REVIEW A 79 3 033840 MAR 2009
- Zhao YY, Han HN, Teng H, et al., *Generation of femtosecond Ti:sapphire laser at 10 MHz repetition rate by extending laser cavity with a telescope* ACTA PHYSICA SINICA 58 3 1709-1714 MAR 2009
- Neuhaus J, Bauer D, Scharfenberg C, et al., *High-energy ultrafast thin-disk oscillators*, PROC. SPIE 7193, 71931L 2009

Neuhaus J, Bauer D, Scharfenberg C, et al., *Ultrafast Yb:YAG thin-disk oscillator with pulse energies exceeding 25  $\mu$ J suitable for efficient ablation with negligible heat affects* PROC. SPIE 7203, 72030T 2009

Alim MAA, Logvin Y, Khalil, DA, Anis H, *Optimizing stable Mode-locked operation of Yb-doped fiber laser*, PROC. SPIE 7195, 71952G 2009

Kalashnikov VL, *The unified theory of chirped-pulse oscillators*, arXiv: 0903.5396v4, 4 AUG 2009

Dekorsy T, Neuhaus J, Bauer D, Scharfenberg C, Kleinbauer J, Killi A, Weiler S, Sutter DH, *Femtosecond high-power thin-disc laser oscillators*, Conference on Lasers and Electro-Optics, CLEO/QELS 2009, art. no. 5225657 2009

Neuhaus J, Bauer D, Kleinbauer J, Killi A, Weiler S, Sutter DH, Dekorsy T, *Mode-locked thin disk lasers with high pulse energies* Lasers and Electro-Optics 2009 and the European Quantum Electronics Conference. CLEO Europe - EQEC 2009, paper CA2\_5 2009

Bradler M, Baum P, Riedle E *Femtosecond continuum generation in bulk laser host materials with sub-mu J pump pulses* APPLIED PHYSICS B-LASERS AND OPTICS 97 3 561-574 NOV 2009

Kalashnikov VL *Chirped dissipative solitons of the complex cubic-quintic nonlinear Ginzburg-Landau equation* PHYSICAL REVIEW E 80 4 Part 2 OCT 2009

Sudmeyer T, Krankel C, Baer CRE, et al. *High-power ultrafast thin disk laser oscillators and their potential for sub-100-femtosecond pulse generation* APPLIED PHYSICS B-LASERS AND OPTICS 97 2 281-295 OCT 2009

Zhou X, *High-Order Harmonic Spectroscopy of Molecular Structure and Dynamics*, Ph. D. Thesis, Department for Physics, University of Colorado, 2009

Liu HG, Hu ML, Song YJ, et al. *Operation of Kerr-lens mode-locked Ti:sapphire laser in the non-soliton regime* CHINESE PHYSICS B 19 1 JAN 2010

Neuhaus J, Bauer D, Kleinbauer J, et al. *Numerical analysis of a sub-picosecond thin-disk laser oscillator with active multipass geometry showing a variation of pulse duration within one round trip* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 27 1 65-71 JAN 2010

Kalashnikov VL, *Chirped Dissipative Solitons*, XVI Annual Seminar on Nonlinear Phenomena in Complex Systems (May 19-22, 2009, Minsk, Belarus), arXiv:1001.4918v2 2010

Ortac B, Plotner M, Limpert J, et al. *Pulse dynamics in a passively mode-locked chirped-pulse fiber laser* APPLIED PHYSICS B-LASERS AND OPTICS 99 1-2 79-82 APR 2010

Koehler W and Tempea G, *White light generation and pulse compression with a Ti:Sapphire high energy oscillator* PROC SPIE 7582, art. No. 75820B 2010

Zhang Q, Zhao YY, Wei ZY *MW-peak-power femtosecond Ti: sapphire oscillator* ACTA PHYSICA SINICA 59 5 3244-3248 MAY 2010

Huber G, Krankel C, Petermann K *Solid-state lasers: status and future* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 27 11 B93-B105 NOV 2010

Seres E, Spielmann C, *Development of an intracavity EUV source based on a high power Ti:Sapphire oscillator* PROC. SPIE 7721, art. No. 77210I 2010

Holzer P, Nold J, Joly NJ et al. *4% Conversion of sub-uJ near-IR pulses to deep UV in fundamental mode of Ar-filled PCF*, Lasers and Electro-Optics/Quantum Electronics and Laser Science Conference: 2010 Laser Science to Photonic Applications, CLEO/QELS 2010 , art. no. 5499683 2010

Wieczorek W, Kruschek R, Ozawa A, Tóth G, Kiesel N, Michelberger P, Udem T, Weinfurter H *Six-photon entangled Dicke state enabled by a UV enhancement cavity as novel SPDC photon source* PROC. SPIE 7727, art. No. 77270L 2010

#### **Self-citations:**

Kalashnikov VL, Podivilov E, Chernykh A, et al. *Approaching the microjoule frontier with femtosecond laser oscillators: theory and comparison with experiment* NEW JOURNAL OF PHYSICS 7: Art. No. 217 OCT 10 2005

Kalashnikov VL, Podivilov E, Chernykh A, et al. *Chirped-pulse oscillators: theory and experiment* APPLIED PHYSICS B-LASERS AND OPTICS 83 (4): 503-510 JUN 2006

Fill E, Veisz L, Apolonski A, et al. *Sub-fs electron pulses for ultrafast electron diffraction* NEW JOURNAL OF PHYSICS 8: Art. No. 272 NOV 13 2006

Kalashnikov VL, Chernykh A PHYSICAL REVIEW A 75 Article Number: 033820 MAR 2007

Fernandez A, Verhoef A, Pervak V, et al. APPLIED PHYSICS B-LASERS AND OPTICS 87 Pages: 395-398 MAY 2007

Dombi P, Antal P LASER PHYSICS LETTERS 4 Pages: 538-542 JUL 2007

Dombi P, Antal P, Fekete J, et al. *Chirped-pulse supercontinuum generation with a long-cavity Ti : sapphire oscillator* APPLIED PHYSICS B-LASERS AND OPTICS 3 379-384 AUG 2007

Pervak V, Naumov S, Krausz F, et al. OPTICS EXPRESS 15 Pages: 13768-13772 OCT 17 2007

Kalashnikov VL, Fernandez A, Apolonski A, *High-order dispersion in chirped-pulse oscillators*, OPTICS EXPRESS 16 (6): 4206-4216 MAR 17 2008

Pervak V, Teisset C, Sugita A, Naumov S, Krausz F, Apolonski A *High-dispersive mirrors for femtosecond lasers* OPTICS EXPRESS 14: 10220-10230 JUL 7 2008

**Cited article:** Dombi P, Krausz F, Farkas G *Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metal surfaces* JOURNAL OF MODERN OPTICS 53 (1-2): 163-172 JAN 20 2006 (IF:1.1, 11 independent and 0 self-citations)

*Independent citations:*

Karatzas NE, Georges AT *Effects of electron relaxation on multiple harmonic generation from metal surfaces with femtosecond laser pulses* OPTICS COMMUNICATIONS 267 (2): 498-504 NOV 15 2006

Hommelhoff P, Kealhofer C, Kasevich MA *Femtosecond laser meets field emission tip - a sensor for the carrier envelope phase?* Proceedings of the 2006 IEEE International Frequency Control Symposium and Exposition, Vols 1 and 2 470-474 2006

Saczuk E, Kaminski JZ LASER PHYSICS 17 Pages: 113-116 FEB 2007

Suzuki M, Baba M, Kuroda H, et al. *Intense exact resonance enhancement of single-high-harmonic from an antimony ion by using Ti : Sapphire laser at 37 nm* OPTICS EXPRESS 3 1161-1166 FEB 5 2007

Faraggi MN, Gravielle MS, Mitnik DM *Interaction of ultrashort laser pulses with metal surfaces: Impulsive jellium-Volkov approximation versus the solution of the time-dependent Schrodinger equation* PHYSICAL REVIEW A 1 JUL 2007

Fradkin Z, Oron D, Naaman R *The effect of self-assembled monolayers on polarization-dependent two-photon photoemission and on the angular distribution of the photoelectrons* JOURNAL OF CHEMICAL PHYSICS 12 SEP 28 2007

Hommelhoff P, Kealhofer C, Kasevich MA *A spatially and temporally localized sub-laser cycle electron source* Ultrafast Phenomena XV Book Series: SPRINGER SERIES IN CHEMICAL PHYSICS 88 746-748 2007

Georges AT, Karatzas NE, *Modeling of ultrafast interferometric three-photon photoemission from a metal surface irradiated with sub-10-fs laser pulses*, PHYSICAL REVIEW B 77 (8): 085436 FEB 2008

Golan B, Fradkin Z, Kopnov G, et al. *Controlling two-photon photoemission using polarization pulse shaping* JOURNAL OF CHEMICAL PHYSICS 130 6 064705 FEB 14 2009

Faraggi M, Aldazabal I, Gravielle MS, et al. *Study of the induced potential produced by ultrashort pulses on metal surfaces* JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS 26 12 2331-2336 DEC 2009

Sokolov AV, Applications of Coherent Raman Scattering , EXTREME PHOTONICS AND APPLICATIONS Book Series: NATO Science for Peace and Security Series B - Physics and Biophysics Pages: 75-93 2010

**Cited article:** Dombi P, Yakovlev VS, O'Keeffe K, et al. Pulse compression with time-domain optimized chirped mirrors OPTICS EXPRESS 13 (26): 10888-10894 DEC 22 2005 (IF:3.7, 18 independent and 0 self-citations)

*Independent citations:*

Larson AM, Yeh AT Ex vivo characterization of sub-10-fs pulses OPTICS LETTERS 31 (11): 1681-1683 JUN 1 2006

Pervak V, Tikhonravov AV, Trubetskov MK, et al. 1.5-octave chirped mirror for pulse compression down to sub-3 fs APPLIED PHYSICS B-LASERS AND OPTICS 1 5-12 MAR 2007

Birge JR, Kartner FX Efficient optimization of multilayer coatings for ultrafast optics using analytic gradients of dispersion APPLIED OPTICS 14 2656-2662 MAY 10 2007

Pervak V, Krausz F, Apolonski A Dispersion control over the ultraviolet-visible-near-infrared spectral range with HfO<sub>2</sub>/SiO<sub>2</sub>-chirped dielectric multilayers OPTICS LETTERS 9 1183-1185 MAY 1 2007

Roger M, Rickers C, Uhlig R, et al. Infrared-reflective coating on fused silica for a solar high-temperature receiver PROCEEDINGS OF THE ENERGY SUSTAINABILITY CONFERENCE 2007 945-955 2007

Yakushev SO, Shulika OV, Petrov SI, Sukhoivanov IA, Chirp compression with single chirped mirrors and its assembly, MICROELECTRONICS JOURNAL 3-4: 690-695 MAR-APR 2008

Yakushev SO, Shulika OV, Sukhoivanov IA, Lisak VV, Modeling, analysis and optimization of chirped mirrors, OPT 2007 - International Workshop Optoelectronic Physics and Technology, art. no. 4298548, pp. 14-16 2007

Sukhoivanov IA, Yakushev SO, Shulika OV, et al. Dispersion compensation with chirped mirrors for compression of ultrashort laser pulses ICTON 2007: Proceedings of the 9th International Conference on Transparent Optical Networks, Vol 2 128-131 2007

Tcheremiskine V, Uteza O, Mislavskii V, et al. Amplification of femtosecond optical pulses in a photolytically driven XeF(C-A) laser amplifier - art. no. 634613 PROC. SPIE 6346 34613-34613 2007

Daskalova A, Husinsky W, Bashir S, Comparative SIMS and US-LSNMS analysis of Cu/Ti multilayer thin films PROC. SPIE 7027, 702706 2008

Pervak V, Krausz F, Apolonski A, 1.5 octave dispersive dielectric multilayers for pulse compression, PROC. SPIE 7101, 710116 2008

Pervak V, Krausz F, Apolonski A 1.5 octave dispersive dielectric multilayers for pulse compression - art. no. 710116 ADVANCES IN OPTICAL THIN FILMS III 7101 10116-10116 2008

Trubetskov M, Tikhonravov A, Pervak V Time-domain approach for designing dispersive mirrors based on the needle optimization technique. Theory OPTICS EXPRESS 16 25 20637-20647 DEC 8 2008

Pervak V, Ahmad I, Fulop J, et al. Comparison of dispersive mirrors based on the time-domain and conventional approaches, for sub-5-fs pulses OPTICS EXPRESS 17 4 2207-2217 FEB 16 2009

Pervak V, Ahmad I, Trubetskov MK, et al. Double-angle multilayer mirrors with smooth dispersion characteristics OPTICS EXPRESS 17 10 7943-7951 MAY 11 2009

Birge JR, Sub-Two-Cycle Mode-Locked Lasers, Ph. D. Thesis, Massachusetts Institute of Technology, 2009

Birge JR, Kartner FX Phase distortion ratio: alternative to group delay dispersion for analysis and optimization of dispersion compensating optics OPTICS LETTERS 35 14 2469-2471 JUL 15 2010

Trubetskov MK, Design of dispersive mirrors for ultrafast applications, CHINESE OPTICS LETTERS 8 (SUPPL.), pp. 12-17 2010

**Cited Article:** Irvine SE, Dombi P, Farkas G, et al., Influence of Carrier-Envelope Phase of Few-Cycle Pulses on Surface-Plasmon-Ponderomotive Electron Interaction, PHYSICAL REVIEW LETTERS 97: 146801 2006 (IF:7.2, 6 independent and 1 self-citation)

*Independent citations:*

Stockman MI, Hewageegana P, Absolute phase effect in ultrafast optical responses of metal nanostructures APPLIED PHYSICS A 89, 247-250 2007

Varro S *Linear and nonlinear absolute phase effects in interactions of ultrashort laser pulses with a metal nano-layer or with a thin plasma layer* LASER AND PARTICLE BEAMS 3 379-390 SEP 2007

Oszetzky D, Kroo N, Nagy A, et al. *Study of surface plasmon statistics by optical methods* - art. no. 70322D PROC. SPIE 7032 D322-D322 2008

Luo J, Niu YP, Sun H, et al. *Third harmonic enhancement due to Fano interference in semiconductor quantum well* EUROPEAN PHYSICAL JOURNAL D 50 1 87-90 NOV 2008

Zapata-Rodríguez CJ, Porras MA *Controlling the carrier-envelope phase of few-cycle focused laser beams with a dispersive beam expander* OPTICS EXPRESS 16 26 22090-22098 2008

Krausz F, Ivanov M *Attosecond physics* REVIEWS OF MODERN PHYSICS 81 1 163-234 JAN-MAR 2009

*Self-citations:*

Dombi P, Racz P *Ultrafast monoenergetic electron source by optical waveform control of surface plasmons* OPTICS EXPRESS 16 (5): 2887-2893 MAR 3 2008

**Cited Article: Dombi P, Antal P, Investigation of a 200-nJ chirped-pulse Ti : Sapphire oscillator for white light generation, LASER PHYSICS LETTERS 4: 538 2007 (IF:1.9, 4 independent citations)**

*Independent citations:*

Gulyaev AV, Tikhonova OV, *Polarization response of a linear gas medium with resonant properties in the problem of ultra-short laser pulse propagation* LASER PHYSICS LETTERS 6 4 297-303 2009

Li YF, Wang YZ, Ju YL *Comparative study of LD-pumped Tm : YAG and Tm : LuAG lasers* LASER PHYSICS 6 722-724 JUN

Major A, R Cisek, D Sandkuijl, V Barzda *Femtosecond Yb:KGd (WO4) 2 laser with > 100 nJ of pulse energy* LASER PHYSICS LETTERS 6 4 272-274 2009

Kobtsev SM, Kukarin SV, Smirnov SV, et al. *High-Energy Mode-Locked All-Fiber Laser with Ultralong Resonator* LASER PHYSICS 20 2 351-356 FEB 2010

**Cited Article: Dombi P, Antal P, Fekete J, Szipöcs R, Várallyay Z, Chirped-pulse supercontinuum generation with a long-cavity Ti:sapphire oscillator, APPLIED PHYSICS B 88: 379-384 2007 (IF:2.1, 4 independent citations)**

*Independent citations:*

Fuerbach A, C. Miese, W. Koehler, and M. Geissler, *Supercontinuum generation with a chirped-pulse oscillator*, OPTICS EXPRESS 17 5905-5911 2009

Fuerbach A, Miese C, Koehler W, *Single-stage Pulse Compression and High-Energy Supercontinuum generation from a Chirped-pulse oscillator*, ULTRAFast PHENOMENA XVI 92: 810-812, Springer-Verlag 2009

Kobtsev SM, Kukarin SV, Smirnov SV, et al. *High-Energy Mode-Locked All-Fiber Laser with Ultralong Resonator* LASER PHYSICS 20 2 351-356 FEB 2010

Koehler W and Tempea G, *White light generation and pulse compression with a Ti:Sapphire high energy oscillator* PROC SPIE, 7582, art. No. 75820B 2010

**Cited Article: Dombi P, Racz P, Ultrafast monoenergetic electron source by optical waveform control of surface plasmons, OPTICS EXPRESS 16, 2887-2893, 2008 (IF:3.7, 6 independent citations)**

*Independent citations:*

Zapata-Rodríguez CJ, Porras MA *Controlling the carrier-envelope phase of few-cycle focused laser beams with a dispersive beam expander* OPTICS EXPRESS 16 26 22090-22098 DEC 22 2008

Lu PF, Wu J, Qi HX, et al. *Ponderomotive electron acceleration by polarization-gated surface-enhanced optical fields* APPLIED PHYSICS LETTERS 93 20 NOV 17 2008

Lu PF, Wu J, Qi HX, et al. *Polarization-gated surface enhanced optical fields for ultrafast electron acceleration* OPTICS EXPRESS 17 6 4575 2009

*Photon turnstiles, strain-tuned lasers, top-timekeeping clocks, greater quantum control, and more* NATURE PHOTONICS 2 206-207 2008

Bormann R, Gulde M, Weismann A, et al. *Tip-Enhanced Strong-Field Photoemission* PHYSICAL REVIEW LETTERS 105 14 SEP 27 2010

Dowell DH, Bazarov I, Dunham B, et al. *Cathode R&D for future light sources* NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 622 3 685-697 OCT 21 2010

**Cited Article:** Kroó N, Varró S, Farkas Gy, **Dombi P**, Oszetzky D, Nagy A, Cztirovsky A, *Nonlinear plasmonics*, J. Mod. Opt. 55, 3203 (2008), (IF: 1.19, 2 independent citations).

*Independent citations:*

Chung HV, Neubrech F, Pucci A, *Infrared spectroscopy of antenna resonances*, Proceedings of SPIE - The International Society for Optical Engineering, 7394, art. no. 73941E 2009

Dionne JA, Sweatlock LA, Sheldon MT, et al. *Silicon-Based Plasmonics for On-Chip Photonics* IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 16 1 295-306 JAN-FEB 2010

**Cited Article:** Barna IF and **Dombi P**, *Coherent control for the spherical symmetric box potential in short and intensive XUV laser fields*, Central Eur. J. Phys. 6, 205 (2008), (IF: 0.45, 1 independent citation).

*Independent citations:*

Dahiya B and Prasad V, *Dynamics of Particle in a Box in Time Varying Potential Due to Chirped Laser Pulse*, JOURNAL OF MODERN PHYSICS 1 6 372-378 DEC 2010

**Cited Article:** Sidorov-Biryukov DA, Fernandez A, Zhu L, Verhoef A, **Dombi P**, Pugzlys A, Serebryannikov EE, Zheltikov AM, Knight JC, and Baltuška A, *Solitonic dynamics of ultrashort pulses in a highly nonlinear photonic-crystal fiber visualized by spectral interferometry*, Opt. Lett. 33, 446-448 (2008), ((IF: 3.60, 1 independent citation)

*Independent citations:*

Fang X, Wang Q, Liu J, Liu B, Li Y, Chai L, Hu M *Experimental research on the 3.95 W high power supercontinuum generation* Zhongguo Jiguang/Chinese Journal of Lasers 37 (6), pp. 1585-1588 2010

**Cited Article:** Mücke OD, Sidorov D, **Dombi P**, Pugzlys A, Baltuska A, Alisauskas A, Smilgevicus S, Pocius J, Giniunas L, Danielius R, Forget N, *Scalable Yb-MOPA-driven carrier-envelope phase-stable few-cycle parametric amplifier at 1.5  $\mu$ m*, Opt. Lett. 34, 118-120 (2009) (IF: 3.60, 2 independent citations)

*Independent citations:*

Siddiqui AM, Cirimi G, Brida D, et al. *Generation of < 7 fs pulses at 800 nm from a blue-pumped optical parametric amplifier at degeneracy* OPTICS LETTERS 34 22 3592-3594 NOV 15 2009

Wang Y, Inoue K, Kan H, et al. *A MOPA with Double-End Pumped Configuration Using Total Internal Reflection* LASER PHYSICS 20 2 447-453 FEB 2010

**Cited Article:** **Dombi P**, Rác P, Bódi B, *Surface plasmon enhanced electron acceleration with few-cycle laser pulses*, Laser and Part. Beams 27, 291-296 (2009), (IF: 4.64, 3 independent citations).

*Independent citations:*

Sharma RP, Sharma P, Rajput S, et al. *Suppression of stimulated Brillouin scattering in laser beam hot spots* LASER AND PARTICLE BEAMS 27 4 619-627 DEC 2009

Mao QQ, Kong Q, Ho YK, et al. *Radiative reaction effect on electron dynamics in an ultra intense laser field* LASER AND PARTICLE BEAMS 28 1 83-90 MAR 2010

Xu JJ, Yu YL, Zeng B Extension of harmonic cut-off in a waveform controlled laser field by prolonging the recombining period LASER AND PARTICLE BEAMS 28 3 415-419 SEP 2010

**Cited Article:** P. Dombi, P. Racz, M. Lenner, V. Pervak, F. Krausz "*Dispersion management of femtosecond laser oscillators with highly dispersive mirrors*", Opt. Express **17**, 20598-20604 (2009), (IF: 3.28, 1 independent citation)

*Independent citations:*

Rivera CA, Bradforth SE, Tempea G Gires-Tournois interferometer type negative dispersion mirrors for deep ultraviolet pulse compression OPTICS EXPRESS 18 18 18615-18624 AUG 30 2010

**Cited Article:** O. D. Mucke, D. Sidorov, P. Dombi, A. Pugzlys, S. Alisauskas, V. Smilgevicius, N. Forget, J. Posius, L. Giniunas, R. Danielius, A. Baltuska, "*10-mJ optically synchronized CEP-stable chirped parametric amplifier at 1.5  $\mu\text{m}$* ", Opt. Spectrosc. **108**, 456-462 (2010), (IF: 0.58, 1 independent citation)

*Independent citations:*

Takahashi EJ, Kanai T, Midorikawa K High-order harmonic generation by an ultrafast infrared pulse APPLIED PHYSICS B-LASERS AND OPTICS 100 1 Sp. Iss. SI 29-41 JUL 2010