

# Ivan P. Christov

## List of publications

### Journal articles

1. I.P.Christov, I.V.Tomov, S.M.Saltiel, "Self-heating Effects in Electro-optic Light Modulators", *Optical and Quantum Electron.*, 15, (1983), pp. 289-295
2. I.P.Christov, "Propagation of Femtosecond Light Pulses", *Optics Commun.*, 53, (1985), pp. 364-366
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5. I.P.Christov, I.V.Tomov, "Growth of Raman-Stokes Waves in Focused Pump Beams", *Optical and Quantum Electron.*, 17, (1985), pp. 207-213
6. I.P.Christov, I.V.Tomov, "Large Bandwidth Pulse Compression with Diffraction Gratings", *Optics Commun.*, 58, (1986), pp. 338-342
7. I.P.Christov, "Propagation of Partially Coherent Light Pulses", *Optica Acta*, 33, (1986), pp. 63-72
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16. M.B.Danailov and I.P.Christov, "A Novel Method of Ultrabroadband Laser Generation", *Optics Commun.*, 73, (1989), pp. 235-238
17. I.P.Christov, "On the Production of Time-orthogonal Pulse Shapes", *Opt.Comm.*, 77, (1990), pp. 253-255
18. I.P.Christov, "Theory of Time Telescope", *Optical and Quantum Electron.*, 22, (1990), pp. 473-480
19. M.B.Danailov and I.P.Christov, "Ultrabroadband Laser Using Prism-based Spatially Dispersive Resonator", *Appl. Phys. B* 51, (1990), pp. 300-302
20. M.B.Danailov and I.P.Christov, "Spectrum-preserving Amplification of Ultrabroadband Optical Pulses", *J.Mod.Opt.*, 38, (1991), pp. 413-416
21. M.B.Danailov and I.P.Christov, "Amplification of Spatially- dispersed Ultrabroadband Laser Pulses", *Opt.Comm.*, 77, (1990), pp. 397-401
22. N.I.Michailov, I.P.Christov and I.V.Tomov, "Two-wavelength Operation of a Femtosecond Dye Laser", *Appl.Phys. B*, 51, (1990), pp. 171-176
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### **Review articles**

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2. P. Salieres and I. Christov, "Macroscopic Effects in High-Order Harmonic Generation", in *Strong Field Laser Physics*, Springer Series in Optical Sciences , Vol. 134, ed. T. Brabec, 2009.

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10. R. Bartels et al., "Novel single-atom and quasi phase-matching techniques at short wavelengths," Quantum Electronics and Laser Science Conference (CLEO/QELS 2001), Baltimore, MD May 2001.
11. H. Kapteyn, M. Murnane, R. Bartels, S. , I.P. Christov "Coherent control of electronic

wavefunctions in the strong field regime" ABSTRACTS OF PAPERS OF THE  
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17. A. Sandhu, E. Gagnon, A. Paul, I. Thomann, A. Lytle, T. Keep, M. Murnane, H. Kapteyn, and I. Christov, "Isolated EUV pulses via CEP-insensitive nonlinear stabilization in a waveguide," to be published in Ultrafast Phenomena XV (Springer Series, 2007).
- 18 . Ivan P. Christov, "Time-Dependent Quantum Monte Carlo-principles and perspectives", invited plenary talk at the "Light at Extreme Intensities" Conference in Brasov, Romania, Oct.16-21, 2009.