

## Deniz D. Yavuz Publications

1. A. V. Sokolov, **D. D. Yavuz**, and S. E. Harris, “*Subfemtosecond Pulse Generation by Rotational Molecular Modulation*”, Opt. Lett. **24**, 557 (1999).
2. **D. D. Yavuz**, A. V. Sokolov, and S. E. Harris, “*Eigenvectors of a Raman Medium*”, Phys. Rev. Lett. **84**, 75 (2000).
3. A. V. Sokolov, D. R. Walker, **D. D. Yavuz**, G. Y. Yin, and S. E. Harris, “*Raman Generation by Phased and Anti-Phased Molecular States*”, Phys. Rev. Lett. **85**, 562 (2000).
4. A. V. Sokolov, **D. D. Yavuz**, D. R. Walker, G. Y. Yin, and S. E. Harris, “*Light Modulation at Molecular Frequencies*”, Phys. Rev. A. **63**, 051801(R) (2001).
5. A. V. Sokolov, D. R. Walker, **D. D. Yavuz**, G. Y. Yin, and S. E. Harris, “*Femtosecond Light Source for Phase-Controlled Multi-Photon Ionization*”, Phys. Rev. Lett. **87**, 033402 (2001).
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7. A. V. Sokolov, Scott Sharpe, M. Y. Shverdin, D. R. Walker, **D. D. Yavuz**, G. Y. Yin, and S. E. Harris, “*Optical Frequency Conversion by a Rotating Molecular Waveplate*”, Opt. Lett. **26**, 728 (2001).
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10. **D. D. Yavuz**, D. R. Walker, G. Y. Yin, and S. E. Harris, “*Rotational Raman Generation with Near Unity Conversion Efficiency*”, Opt. Lett. **27**, 769 (2002).
11. D. R. Walker, **D. D. Yavuz**, M. Y. Shverdin, G. Y. Yin, A. V. Sokolov, and S. E. Harris, “*Raman Self-Focusing at Maximum Coherence*” Opt. Lett. **27**, 2094 (2002).
12. **D. D. Yavuz**, D. R. Walker, and M. Y. Shverdin, “*Spatial Raman Solitons*”, Phys. Rev. A **67**, 041803(R) (2003).
13. D. R. Walker, **D. D. Yavuz**, M. Y. Shverdin, G. Y. Yin, and S. E. Harris, “*A Quasi-periodic Approach for Femtosecond Pulse Generation*”, Optics and Photonics News **47**, 46 (2003).
14. **D. D. Yavuz**, D. R. Walker, M. Y. Shverdin, G. Y. Yin, and S. E. Harris, “*Quasi-periodic Raman Technique for Ultrashort Pulse Generation*”, Phys. Rev. Lett. **91**, 233602 (2003).
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  20. **D. D. Yavuz**, “*Single Photon Swap Gate Using Electromagnetically Induced Transparency*”, *Phys. Rev. A* **71**, 053816 (2005).
  21. **D. D. Yavuz**, “*Refractive Index Enhancement in a Far-off Resonant Atomic System*”, *Phys. Rev. Lett.* **95**, 223601 (2005).
  22. **D. D. Yavuz**, P. B. Kulatunga, E. Urban, T. A. Johnson, N. Proite, T. Henage, T. G. Walker, and M. Saffman, “*Fast Ground State Manipulation of Neutral Atoms in Microscopic Optical Traps*”, *Phys. Rev. Lett.* **96**, 063001 (2006).
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