

1. D. Redman, Q. Shu, S. W. Brown, A. Lenef, Y. Liu, J. Whitaker, S. C. Rand, S. Satoh, K. Tsuji and S. Yazu, "Electronic Structure of N-V Centers and Terahertz Spectroscopy of Diamond," *Mat. Res. Soc. Symp. Proc. Vol. 242*, 127 (1992).
2. D. Redman, Q. Shu, A. Lenef, and S. C. Rand, "Two-Beam Coupling by Nitrogen-Vacancy Centers in Diamond," *Opt. Lett.* 17, 175 (1992).
3. S. C. Rand, A. Lenef, and S. W. Brown, "Zeeman Coherence and Quantum Beats in Ultrafast Photon Echoes of N-V Centers in Diamond", *J. Luminescence* 60&61, 739(1994).
4. A. Lenef and S.C. Rand, "Tunneling Dynamics of Squeezed States in a Potential Well", *Phys. Rev. A* 49, 32(1994).
5. A. Lenef, D. Kreysar, K. Obermyer and S.C. Rand, "Laser-induced Collisional Avalanche in Atomic Cesium", *Phys. Rev. A* 15, 1731(1995).
6. A. Lenef, D. Redman, S. W. Brown, J. Shigley, E. Fritsch, and S. C. Rand, "Electronic Structure of the N-V Center in Diamond: Experiments," *Phys. Rev. B* 53, 13427 (1996).
7. A. Lenef and S.C. Rand, "Electronic Structure of the NV Center in Diamond: Theory", *Phys. Rev. B* 53, 13441 (1996).
8. A. Lenef and S.C. Rand, *Phys. Rev. B* 56, 4352 (1997).
9. M. Hehlen, A. Kuditcher, A. L. Lenef, H. Ni, Q. Shu, and S.C. Rand, J. Rai, and S. Rai, "Non-radiative Dynamics of Avalanche Upconversion in $\text{Tm}^{3+}:\text{LiYF}_4$," *Phys. Rev. B* 61, 1116(2000).
10. D. A. Redman, Q. Shu, S. Brown, A. Lenef, Y. Liu, J. Whitaker, S. Rand, S. Satoh, K. Tsuji and S. Yazu, "Electronic States of N-V Centers and Terahertz Spectroscopy of Diamond," *Proc. of Mat. Res. Soc.*, Fall Meeting, Boston, Massachusetts, November 1991, paper G1.5.
11. Q. Shu, S. Brown, A. Lenef, D. Redman, and S. C. Rand, "Nonlinear Dynamics and Electronic States of N-V Centers in Diamond," American Physical Society, March Meeting, Indianapolis, Indiana, March 16-20, 1992.
12. A. Lenef and S. C. Rand, "Quantum Beats and Spin Coherences in N-V Centers in Diamond," American Physical Society, March Meeting, Indianapolis, Indiana, March 16-20, 1992.
13. A. Lenef, S. Brown, S.C. Rand, "Quantum Beats in Diamond", *Qu. Elect. and Laser Science Conf. (QELS'93)*, Baltimore Maryland, May 2-7, 1993, paper QThH35.

14. S.C. Rand, A. Lenef and S.W. Brown, "Zeeman Coherence and Quantum Beats in Ultrafast Photon Echoes of N-V Centers in Diamond", Int. Conf. on Lumin. (ICL'93), Storrs, Connecticut, Aug. 9-13, 1993.
15. S.C. Rand, A. Lenef and S.W. Brown, "Excited State Structure and Dephasing of Point Defects in Widegap Semiconductors: Ultrafast Four-Wave Mixing Spectroscopy of N-V Centers in Diamond", Tech. Conf. 2041 of Soc. Photo-Optical Instrum. Eng. (S.P.I.E.), Quebec City, Quebec, Aug. 16-20, 1993, paper 2041-18.
16. A. Lenef, D. Kreysar and S.C. Rand, "Collisional Avalanche in Atomic Cesium", Opt. Soc. of America (OSA'93), Toronto, Ontario, Oct. 3-8, 1993.
17. A. Lenef and S.C. Rand, "Tunneling Dynamics of Squeezed States in a Potential Well", Opt. Soc. of America (OSA'93), Toronto, Ontario, Oct. 3-8, 1993.
18. S.C. Rand, A. Lenef and D. Kreysar, "Atomic Collisional Avalanche", Eleventh International Conference on Laser Spectroscopy, Hot Springs, Virginia, June 13-18, 1993.
19. A. Lenef and S.C. Rand, "Cooperatively induced dephasing", Int. Qu. Elect. Conf. (IQEC'94), Anaheim, California, May 8-13, 1994, paper QMC3.