

Louis Eugene Brus

Research and Review Publications:

- 1) L. E. Brus, "Lifetime Studies of Na(3^2P) and Tl(7^2S) Produced by Photodissociation and Quenched by Halogens," *J. Chem. Phys.* *52*, 1716 (1970).
- 2) L. E. Brus and J. Comas, "Chemisorptive Luminescence: Oxygen on Si(111) Surfaces," *J. Chem. Phys.* *54*, 2771 (1971).
- 3) M. C. Lin and L. E. Brus, "Chemical CO Laser from the O(1D) + C₃O₂($^1\Sigma_g^+$) → 3CO($^1\Sigma^+$) Reaction," *J. Chem. Phys.* *54*, 5423 (1971).
- 4) L. E. Brus and M. C. Lin, "Chemical HF Lasers from Flash Photolysis of Various N₂F₄ + RH Systems," *J. Phys. Chem.* *75*, 2546 (1971).
- 5) L. E. Brus, "Two Exponential Decay of 3371 Å Laser Excited CS₂ Fluorescence," *Chem. Phys. Letters* *12*, 116 (1971).
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- 7) L. E. Brus, "Transition Dipole Moments in Extreme Renner Effect Molecules, with Application to the Visible A₁ → B₁ Bands in CH₂, NH₂, and BH₂," *J. Chem. Phys.* *57*, 3167 (1972).
- 8) J. R. McDonald and L. E. Brus, "Laser Excited Time-Resolved Fluorescence of the Cl₂ CS Molecule," *Chem. Phys. Letters* *16*, 587 (1972).
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- 14) S. H. Dworesky, L. E. Brus, and R. S. Hozack, "Large Molecule Rotational Structure via Single-Mode Laser Resonance Fluorescence," *J. Chem. Phys.* *61*, 1581 (1974).
- 15) J. R. McDonald and L. E. Brus, "Radiative and Radiationless Transition Phenomena in 1,4-, 1,3-, and 1,2-Diazanaphthalene Vapors," *J. Chem. Phys.* *61*, 3895 (1974).
- 16) V. E. Bondybey and L. E. Brus, "Rigid Cage Effect on ICl Photodissociation and B O⁺ Fluorescence in Rare Gas Matrices," *J. Chem. Phys.* *62*, 620 (1975).
- 17) L. E. Brus and V. E. Bondybey, "Pseudorotational Local Mode Participation in OH and OD ($A^2\Sigma^+$) Vibrational Relaxation in a Ne Lattice," *J. Chem. Phys.* *63*, 786 (1975).
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