List of Publications
Yury Kronn, Ph. D.


12. *Stimulated Raman Scattering by Infrared-Active Transitions*. Reports to the 3rd All-Union Symposium on Nonlinear Optics, Moscow State University, 1967, p.52


18. Interaction of Light Beams Caused by SRS*. Reports to the 5th All-Union Symposium on Nonlinear Optics, Moscow State University, 1970, p.62

19. Nonstationary Nonlinear Polarizability Caused by Laser Pulses*. Reports to the 5th All-Union Symposium on Nonlinear Optics, Moscow State University, 1970, p.16


27. Three and Four-Photon Resonant Parametric Interactions When Phase Locking Occurred*. Reports to the 7th All-Union Conference on Coherent and Nonlinear Optics, Moscow State University, 1974, p. 60.

28. Influence of Spatially –Bounded Phase Locking on Behavior of the Anti-Stokes Component of SRS*. Reports to the 7th All-Union Conference on Coherent and Nonlinear Optics, Moscow State University, 1974, p. 99

29. Measurement of Polarizability of the Hydrogen Molecules in an Excited Vibrational State*. Reports to the 7th All-Union Conference on Coherent and Nonlinear Optics, Moscow State University, 1974, p. 74


37. **Frequency Transformation in Four-Photon Resonant Parametric Interactions Based on SRS.** Sov. Journal Quantum Electronics v.5, p.917 (1975)


39. **Soft Excitation of Stimulated Two-Photon Emission.** JETP Letters v. 21, p.234 (1975)

40. **Nonlinear Spectroscopy Based on the Effect of Resonant Optical Detection.** JETP Letters v. 22, p.276 (1975)


42. **Investigation of Parametric Mechanism of a Second Stokes Component Generation in SRS.** In the book “Stimulated Raman Scattering”, Znanie, Kiev, 1975

43. **Effect of the Phase Locking on the Dynamics of the Anti-Stokes Component of Stimulated Raman Scattering.** Sov. Phys. JETP v.43, p.430 (1976)


47. **The Feasibility of Developing a Two-Photon Tunable Laser on Iodine and Oxygen*.** Reports to the 8th All-Union Conference on Coherent and Nonlinear Optics. Tbilisi, 1976, p.111

48. **A Canonical Description of Molecular Behavior During Multi-Quantum Interactions with an Electromagnetic Field*.** Reports to the 8th All-Union Conference on Coherent and Nonlinear Optics. Tbilisi, 1976, p.341

49. **Radiation With a Wavelength of 2.41 mkm in Compresses Hydrogen Place in a Spatially Modulated Electrostatic Field*.** Reports to the 8th All-Union Conference on Coherent and Nonlinear Optics. Tbilisi, 197, p.110


55. Abstract of Post-Doctorate Dissertation “Resonant Multiphoton Processes in Gaseous Media” USSR Acad.Sci. Lebedev Inst.of Physics, Moscow (1977)


74. *Stripline Flat Antenna,* US Patent No. 4933679 (June 12, 1990)


* In Russian