



**PRESENTATIONS AT INTERNATIONAL CONFERENCES
- 2002 -**

1. V. Lupei, G. Aka, D. Vivien, "Quasi-three-level laser emission at 946-nm in Nd:YAG under direct pumping into the emitting level," Topical Meeting on Advanced Solid-State Lasers, Quebec, Canada, Feb. 03-06, 2002; paper WB16.
2. V. Lupei, G. Aka, D. Vivien, "Enhanced self-doubling efficiency in directly-pumped Nd-activated nonlinear crystals: Case of Nd:GdCOB," Topical Meeting on Advanced Solid-State Lasers, Quebec, Canada, Feb. 03-06, 2002; paper MB5.
3. V. Lupei, N. Pavel, T. Taira, A. Ikesue, "CW and passively Q-switched 1064-nm emission of concentrated Nd:YAG components under 885-nm diode laser pumping," Conference on Lasers and Electro-Optics, Long Beach, CA, USA, 19-24 May 2002; paper CThO16.
4. V. Lupei, G. Aka, D. Vivien, "Fundamental 1060-nm and self-doubling laser emission in Nd:GdCOB pumped into the emitting level," Conference on Lasers and Electro-Optics, Long Beach, CA, USA, 19-24 May 2002; paper CThO8.
5. T. Dascalu, T. Taira, N. Pavel, Y. Aoyagi, J. Saikawa, "Continuous-Wave Low Power Diode Radial Pumped Microchip Composite Yb:YAG Laser," Conference on Lasers and Electro-Optics, Long Beach, CA, USA, 19-24 May 2002, pp. 389-390
6. V. Lupei, N. Pavel, T. Taira, "Highly efficient CW 946-nm laser emission under direct 885-nm pumping," International Quantum Electron. Conference (IQEC/LAT), Moscow, Russia, June 2002, Technical Digest, p. 237.
7. A. Lupei, V. Lupei, Y. Sato, T. Taira, A. Ikesue, "High resolution spectroscopy study of pair effects in Nd³⁺:Y₂O₃ ceramic," International Quantum Electron. Conference (IQEC/LAT), Moscow, Russia, June 2002, Technical Digest, p. 108.
8. V. Lupei, G. Aka, D. Vivien, "Enhancement of Nd:GdCOB self-frequency-doubling efficiency," International Quantum Electron. Conference (IQEC/LAT), Moscow, Russia, June 2002, Technical Digest, p. 107.
9. V. Lupei, "Spectroscopic bases for efficiency enhancement and power scaling of Nd:YAG lasers," International Quantum Electron. Conference (IQEC/LAT), Moscow, Russia, June 2002, Technical Digest, p. 118.
10. V. Lupei, N. Pavel, Y. Sato, T. Taira, S. Wada, T. Ogawa, "One-micron laser emission in concentrated Nd:YVO₄ and Nd:GdVO₄ crystals," International Quantum Electron. Conference (IQEC/LAT), Moscow, Russia, June 2002, Technical Digest, p. 117.
11. A. Lupei, V. Lupei, T. Taira, Y. Sato, A. Ikesue, C. Gheorghe, "Energy transfer processes of Nd in Y₂O₃ ceramic," International Conf. on Luminescence ICL'02, Budapest, Hungary, Aug. 2002; paper P-20.
12. V. Lupei, G. Aka, J. Petit, D. Vivien, "Spectroscopic bases for enhancement of self-frequency-doubling efficiency in Nd-doped nonlinear crystals," International Conference on Luminescence ICL'02, Budapest, Hungary, Aug. 2002; paper P-42.
13. V. Lupei, "Efficiency enhancement and power scaling of Nd:YAG lasers," Digest of 5th French-Israeli Workshop on Optical Properties of Inorganic Materials, Lyon, France, Dec. 2002; invited paper I.46.
14. A. Lupei, V. Lupei, "RE³⁺ pairs in garnets and sesquioxides," Digest of 5th French-Israeli Workshop on Optical Properties of Inorganic Materials, Lyon, France, Dec. 2002; paper P.24.



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15. V. Lupei, N. Pavel, Y. Sato, T. Taira, "Highly-efficient laser emission at 1064 nm in Nd-doped vanadates," Digest of 5th French-Israeli Workshop on Optical Properties of Inorganic Materials, Lyon, France, Dec. 2002; paper P.25.
16. L. Gheorghe, S. Georgescu, S. Constantinescu, I. Mateescu, L. Diamandescu, E. Borca, "Synthesis, growth and characterisation of langasite crystals," IEEE International Ultrasonics Symposium Munich, Germany, 8-11 October 2002, pp. 965-968.
17. L. Gheorghe, S. Georgescu, I. Mateescu, L. Dumitrache, E. Borca, C. Ranea, "Synthesis growth and X-ray diffraction studies of langastie crystals," IEEE International Frequency Control Symposium and PDA Exhibition, New Orleans, Louisiana, May 29-31, 2002, pp. 320-323.