

Mikhail Yu. Sharonov

Education

Institute for Crystallography, Moscow, Russia	Ph.D. Physics	1994
Moscow State University, Russia	M.S. Physics	1984

Professional Experience

Research Associate/Facility Manager	IUSL, CCNY CUNY	2005-present
Research Associate	Institute for Ultrafast Spectroscopy and Lasers, CCNY	2001 to 2005
Research Associate	Consejo Superior de Investigaciones Scientificas, Laboratorio de Fisica de Sistemas Pequenos y Nanotecnologia, Madrid, Spain	1995 to 2001
Senior Scientist	Laboratory of Optical Crystals, Institute of Crystallography RAS, Moscow	1995 to 2001
Researcher, Optical Engineer	Laboratory of Optics, Lexand Ltd., Moscow, Russia	1990 to 1992
Researcher	Laboratory of Optical Crystals, Institute of Crystallography RAS, Moscow	1984 to 1995

Research Interest:

Spectroscopy of laser materials. Physics of tunable lasers.

Recent publications:

1. M. Sharonov, A. B. Bykov, V. Petricevic, and R. Alfano, "Continuous tunable laser operation in both the 1.31 and 1.55 μm telecommunication windows in LiInSi/GeO₄ olivines doped with trivalent chromium", *Optics Letters*, Volume: 32, Issue: 24, Pages: 3489-3491
2. M. Sharonov, T. Myint, A. B. Bykov, V. Petricevic and R. R. Alfano, "Optical properties of neodymium activated crystalline nanostructures grown in transparent porous glass", *Journal of the Optical Society of America B*, Volume: 24, Issue: 11, pp: 2868-2876
3. Fuerbach, M. Jeanty, M. Yu. Sharonov, A. B. Bykov, V. Petricevic, and M. Lenzner, "Direct diode-pumped laser operation of LiInGeO₄ crystals", *Optics Express*, Volume: 15, Issue: 24, Pages: 16097-16101
4. M. Yu. Sharonov, A. B. Bykov, T. Myint, V. Petricevic, R. R. Alfano, "Spectroscopic study of chromium-doped transparent calcium germanate glass-ceramics", *Opt. Communications* 275 (2007) 123–128
5. A. B. Bykov, M. Yu. Sharonov, V. Petricevic, I. Popov, L. L. Isaacs, J. Steiner, R. R. Alfano, "Synthesis and characterization of Cr⁴⁺-doped CaO–GeO₂–Li₂O–B₂O₃(Al₂O₃) transparent glass-ceramics", *J. Non-Cryst. Solids* 352 (2006) 5508.

6. M.Sharonov, V.Petricevic, A.Bykov, R.Alfano, "Near infrared laser operation of Cr³⁺ centers in chromium doped LiScGeO₄ and LiInGeO₄ crystals", Opt. Lett., 30, 851-853 (2005)
7. M. Sharonov, A. Bykov, P. Rojas, V. Petricevic, and R. R. Alfano, "Spectroscopy of chromium centers in LiScGeO₄ and LiInGeO₄ single crystals", Phys. Rev. B **72**, 115111, (2005)
8. B. Bykov, V. Petricevic, M. Yu. Sharonov, J. Steiner, L. L. Isaacs, T., Avrahami, R. DiBlasi, S. Sengupta, and R. R. Alfano "Flux growth and optical characterization of Cr⁴⁺-doped LiInGeO₄", J. Cryst. Growth, 274 (2005). pp. 149-155
9. M Sharonov, A. B. Bykov, S. Owen, V. Petricevic, R. R. Alfano, G.H. Beall, N. Borrelli, "Spectroscopy of transparent forsterite nanocrystalline glass-ceramic doped with chromium", Journal of the Optical Society of America B, 21, 2046-2053 (2004)
10. M. Yu. Sharonov, A. B. Bykov, V. Petricevic, and R. R. Alfano 4. "Study of crystal of Cr⁴⁺-doped Li₂CaSiO₄: growth and spectroscopic properties, Opt. Comm., 231, (2004)