

Publications

1. Parigger, C.G.; Hornkohl, J.O.; Keszler, A.M.; Nemes, L., *Laser-induced breakdown spectroscopy: molecular spectra with BESP and NEQAIR*, *Laser Induced Plasma Spectroscopy and Applications*, OSA Technical Digest Series, Opt. Soc. Amer. 81 (2002) 102-103
2. Parigger, C.G.; Hornkohl, J.O.; Keszler, A.M.; Nemes, L., *Measurement and analysis of atomic and diatomic carbon spectra from laser ablation of graphite*. *Appl. Opt.* 42 (2003) 6192- 6197
3. Keszler, A.; Nemes, L., *Time averaged emission spectra of Nd:YAG laser induced carbon plasmas*. *J. Mol. Struct.* 695-696 (2004) 211-218
4. Keszler, A.M.; Nemes, L.; Ahmad, S.R.; Fang, X., *Characterization of carbon nanotube materials by Raman spectroscopy and microscopy – a case study of multiwalled and single walled samples*. *J. of Optoelectronics and Advanced Materials* 6 No.4 (2004) 1269-1274
5. Nemes, L.; Marcalo, J.; Pinhao, N.; Keszler, A., *Optical spectroscopy and mass spectrometry of laser ablated carbon*. XVII ESCAMPIG 2004, Constanta, Romania (poster)
6. Nemes, L.; Keszler, A.M.; Hornkohl, J.O.; Parigger, C.G., *Laser-induced carbon plasma emission spectroscopic measurements on solid targets and in gas-phase optical breakdown*. *Appl. Opt.* 44 (2005) 3661-3667
7. Keszler, A.M.; Nemes L., *Gas-phase optical breakdown emission spectroscopy*. Carbon Materials, Theoretical and Experimental Aspects, International Symposium 2005 Budapest (poster)
8. Nemes, L.; Keszler, A.M.; Parigger, C.G.; Hornkohl, J.O.; Michelsen, H.A.; Stakhursky, V., *The C₃ Puzzle: Formation of and Spontaneous Emission from the C₃ Radical in Carbon Plasma*. *Internet Electronic Journal of Molecular Design* Vol. 5 No. 3 (2006) Pages 150–167
9. Nemes, L.; Keszler, A.M.; Parigger, C.G.; Hornkohl, J.O.; Michelsen, H.A.; Stakhursky, V., *Spontaneous emission from the C₃ radical in carbon plasma*. *Appl. Opt.* 46 (2007) 4032-4040
10. Nemes, L.; Keszler, A.M.; Hornkohl, J.O.; Parigger, C.G., *On the 400-nm continuum in spectra of laser ablation graphite plasma*. 2006 LACSEA, (poster)
11. Hornkohl, J.O.; Parigger, C.G.; Nemes, L.; Keszler, A.M., *Measurements of Aluminium Laser-Induced Breakdown Spectra*. 2006 LACSEA, (poster)
12. A. M. Keszler, C. Bartha, Sz. Klébert, I. Mohai, J. Szepvölgyi: *Spectroscopic Investigation of Ar/Na and Ar/Cu Plasmas*, *Austria-Croatian-Hungarian Combustion Meeting*, Sopron, Hungary, 3 October 2008 (poster)