

Referenser

1. M. Lewander, S. Lindberg, T. Svensson, R. Siemund, K. Svanberg, S. Svanberg, Clinical study assessing information of the maxillary and frontal sinuses using diode laser gas spectroscopy and correlating it with CT, Submitted (2010).
2. S. Lindberg, M. Lewander, T. Svensson, Z.G. Guan, R. Siemund, K. Svanberg, and S. Svanberg, Method for Studying Gas Composition in the Human Mastoid using Laser Spectroscopy, to appear (2010).
3. M. Lewander, Z.G. Guan, T. Svensson, S. Svanberg, and A. Olsson, Non Intrusive Measurements of Food and Packaging Quality, Manuscript (2010).
4. S. Svanberg, Gas in Scattering Media Absorption Spectroscopy – Laser Spectroscopy in Unconventional Environments, Proc. 19th International Conference on Laser Spectroscopy (World Scientific, Singapore), in press (2010).
5. S. Svanberg, Analysis of Trapped Gas – Gas in Scattering Media Absorption Spectroscopy, Laser Physics 20, 68 (2010).
6. M. Lewander, T. Svensson, Z.G. Guan, K. Svanberg, and S. Svanberg, In situ sensing of molecular oxygen and water vapour for diagnostics of the human paranasal sinuses, TDLS Conference, Zermatt, Switzerland (2009).
7. M. Lewander, T. Svensson, Z.G. Guan, K. Svanberg, S. Svanberg, S. Lindberg och R. Siemund, Sinusdiagnostik genom gasanalys med diodlaserspektroskopi, Medicinteknikdagarna, Västerås 2009.
8. S. Lindberg, M. Lewander, T. Svensson, Z.G. Guan, R. Siemund, K. Svanberg, and S. Svanberg, Method for Studying Gas Composition in the Human Mastoid using Laser Spectroscopy, Otolaryngology - Head and Neck Surgery 141, 92 (2009).
9. S. Svanberg, A. Johnsson, M. Lewander, and A. Olsson, Arrangement and Method for Non-Intrusive Assessment of Gas in Packages, US Provisional Patent Application (2009).
10. S. Svanberg, Gas in Scattering Media Absorption Spectroscopy – GASMAS. Proc. SPIE 7142 DOI: 10.1117/12.816469 (2008).
11. M. Lewander, Z.G. Guan, Linda Persson, A. Olsson and S. Svanberg, Food Monitoring Based on Diode Laser Gas Spectroscopy, Appl. Phys. B 93, 619 (2008).
12. Z.G. Guan, M. Lewander, R. Grönlund, H. Lundberg and S. Svanberg, Gas Analysis in Remote Scattering Targets using LIDAR Techniques, Appl. Phys. B 93, 657 (2008).
13. T. Svensson, M. Andersson, L. Rippe, S. Svanberg, S. Andersson-Engels, J. Johansson and S. Folestad, VCSEL-Based Oxygen Spectroscopy for Structural Analysis of Pharmaceutical Solids, Appl. Phys. B 90, 345 (2008).
14. S. Svanberg, Laser based diagnostics - from cultural heritage to human health, Appl. Phys. B 92, 351 (2008)
15. L. Persson, M. Lewander, M. Andersson, K. Svanberg and S. Svanberg, Simultaneous Detection of Molecular Oxygen and Water Vapor in the Tissue Optical Window using Tunable Diode Laser Spectroscopy, Applied Optics 47, 2028 (2008).
16. M. Andersson, L. Persson, T. Svensson and S. Svanberg, Flexible Lock-in Detection System Based on Synchronized Computer Plug-in Boards Applied in Sensitive Gas Spectroscopy, Rev. Sci. Instr. 78, 113107 (2007).
17. M. Andersson, R. Grönlund, L. Persson, M. Sjöholm, K. Svanberg and S. Svanberg, Laser Spectroscopy of Gas in Scattering Media at Scales Ranging from Kilometers to Millimeters, Laser Physics 17, 893 (2007).
18. T. Svensson, L. Persson, M. Andersson, S. Svanberg, S. Andersson-Engels, J. Johansson and S. Folestad, Noninvasive Characterization of Pharmaceutical Solids by Diode Laser Oxygen Spectroscopy, Appl. Spectr. 61, 784 (2007).
19. L. Persson, M. Andersson, M. Cassel-Engquist, K. Svanberg and S. Svanberg, Gas monitoring in human sinuses using tunable diode laser spectroscopy, J. Biomedical Optics 12, 053001 (2007). 20. L. Persson, M. Andersson, T. Svensson, M. Cassel-Engquist, K. Svanberg and S. Svanberg, Non-intrusive optical study of gas and its exchange in human maxillary sinuses, Proc. SPIE 6628, 662804 (2007).

21. L. Persson, E. Kristensson, L. Simonsson and S. Svanberg, Monte Carlo Simulations of Optical Human Sinusitis Diagnostics, *J. Biomedical Optics* 12, 053002 (2007).
22. L. Persson, M. Andersson, F. Andersson and S. Svanberg, Approach to optical interference fringe reduction in diode-laser-based absorption spectroscopy, *Appl. Phys. B* 87, 523 (2007).
23. L. Persson, K. Svanberg, and S. Svanberg, On the potential of human sinus cavity diagnostics using diode laser gas spectroscopy, *Appl. Phys. B* 82, 313 (2006).
24. M. Sjöholm, L. Persson and S. Svanberg, Gas diffusion measurements in porous media by the use of a laser spectroscopic technique, to appear.
25. M. Andersson, L. Persson, M. Sjöholm, and S. Svanberg, Spectroscopic studies of wood-drying processes, *Opt. Express* 14, 3641 (2006).
26. L. Persson, H. Gao, M. Sjöholm, and S. Svanberg, Diode laser absorption spectroscopy for studies of gas exchange in fruits, *Opt. Laser. Eng.* 44, 688 (2006).
27. L. Persson, B. Andersson, M. Sjöholm, and S. Svanberg, Studies of gas exchange in fruits using laser spectroscopic techniques, *Proceedings of FRUITIC 05, Information and Technology for Sustainable Fruit and Vegetable Production*, 543-552 Montpellier, France, September 2005.
28. J. Alnis, B. Anderson, M. Sjöholm, G. Somesfalean and S. Svanberg, Laser spectroscopy on free molecular oxygen dispersed in wood materials, *Appl. Phys. B* 77, 691 (2003).
29. G. Somesfalean, M. Sjöholm, Z.G. Zhang, J. Alnis, B. Andersson, and S. Svanberg, Spectroscopic technique for measurement of gas transport in porous materials, *International Conference on Laser Spectroscopy*, Palm Cove, Australia (July 13-18, 2003).
30. G. Somesfalean, M. Sjöholm, Z.G. Zhang, J. Alnis, B. Anderson, and S. Svanberg, Gas transport in porous materials assessed by diode laser spectroscopy, *4th International Conference on Tunable Diode Laser Spectroscopy (TDLS)*, Zermatt (July 14-18, 2003).
31. G. Somesfalean, M. Sjöholm, J. Alnis, C. af Klinteberg, S. Andersson-Engels, and S. Svanberg, Concentration measurement of gas embedded in scattering media by employing absorption and time-resolved laser spectroscopy, *Appl. Opt.* 41, 3538 (2002).
- 32 G. Somesfalean, M. Sjöholm, J. Alnis, S. Andersson-Engels, and S. Svanberg, Diode laser spectroscopy on gas dispersed in scattering media, *3rd International Conference on Tunable Diode Laser Spectroscopy (TDLS)*, Zermatt (July 8-12, 2001).
33. M. Sjöholm, G. Somesfalean, J. Alnis, S. Andersson-Engels, and S. Svanberg, Analysis of gas dispersed in scattering media, *Opt. Lett.* 26, 16-18 (2001).