VI. List of publications:

1. Thermo- Optical Properties using Optical Fiber Coupled to Laser Diode

Gamal Abdel Fattah A.ABD El -MONEM and Y. A. BADR

International Conference , Laser & Applications, Advances in Sciences, Medicin, and Technology NILES 1996 Cairo

2. Wax-Oil Complex Thermo-Optical Switching and IR Absorption

Gamal Abdel Fattah, A.ABD EL-MONEM and Y.A. BADER

2nd Euro-Mediterranean Conference On Application of Photobiolgy and Laser Technologies in Medicine & Environment (Cairo, February 13-16,1998)

3. Nanoscale Flow-Cells and their Application

Tilmann Rogge[1], Kristin Mandisloh[1], Timo Mappes[1], Martina Sch¨urmann[2], Axel Rosenhahn[2], Ahmed Abdelmonem[2], and Michael Himmelhaus[2]

1 Institut f¨ur Mikrostrukturtechnik, Forschungszentrum Karlsruhe, 76021 Karlsruhe
2 AngewandtePhysikalische Chemie, Universit¨at Heidelberg, 69120 Heidelberg

DPG Spring Meeting of the Divison Condensed Matter, 21st General Conf.of the Condensed Matter Division of the European Physical Society, Dresden, March 26-31, 2006 Verhandlungen der Deutschen Physikalischen Gesellschaft, R.6, B.41(2006) CPP 24.12.

4. Experimental determination of the coverage-height dependence of self-assembled monolayers during film formation

Ahmed Abd el Monem[1], Jana Wehrmeister[2], Mark Helm[2], and Michael Himmelhaus[1]

1 Angewandte Physikalische Chemie, Universit¨at Heidelberg, Im Neuenheimer Feld 253, 69120 Heidelberg
2 Institut f¨ur Pharmazie und molekulare Biotechnologie, Universit¨at Heidelberg, Im Neuenheimer Feld 364, 69120 Heidelberg

DPG Spring Meeting of the Divison Condensed Matter, 21st General Conf.of the Condensed Matter Division of the European Physical Society, Dresden, March 26-31, 2006 Verhandlungen der Deutschen Physikalischen Gesellschaft, R.6, B.41(2006) CPP 17.6.

5. An Approach to Real-Time Time-Resolved Sum Frequency Generation Using A Broadband Femtosecond Laser Source

Ahmed Abd el Monem, Michael Himmelhaus (invited)

IMS symposium "Frontier of Molecular Science Explored by Sum-Frequency Spectroscopy", Okazaki Conference Center, Japan, Dec. 5-6th 2006

6. UNDERSTANDING MINERAL/WATER INTERACTION AT THE MOLECULAR LEVEL BY MEANS OF NONLINEAR OPTICS AND QUANTUM CHEMISTRY

M. Flörsheimer, K. Kruse, R. Polly, A. Abdelmonem, B. Schimmelpfennig, R. Klenze, Th. Fanghänel, (Germany)

MIGRATION '07 (München, Germany)

7. QUANTUM CHEMICAL DESCRIPTION OF THE INTERACTION OF WATER AND METAL IONS WITH THE SAPPHIRE (001) SURFACE USING CLUSTER MODELS

R. Polly, M. Flörsheimer, K. Kruse, A. Abdelmonem, B. Schimmelpfennig, R. Klenze, Th. Fanghänel,(Germany, EU)

MIGRATION '07 (München, Germany)

8. The Functional Species of a Mineral Surface and their Interaction with the Adjacent Water Molecules – Determined by Nonlinear Optics and Quantum Chemistry

Flörsheimer M, Kruse K, Polly R, Abdelmonem A, Schimmelpfenning B, Klenze R & Fanghänel T

Goldschmidt 2007 - "atoms to planets" August 19 - 24, 2007 (A287) Cologne, Germany

9. Coupling linear and nonlinear spectroscopic techniques to precise the interpretations on the molecular level: A Preliminary model for the interaction at aquatic Butanol/Sapphire - 001 interface

Ahmed AbdElMonem[1][2], Johannes Lützenkirchen[2], Horst Geckeis[2], Reinhardt Klenze[2], and Michael Himmelhaus[3]*

[1] Corresponding author: ahmed.abdelmonem@kit.edu *, [2] Institute for nuclear wastes disposal (INE) , Karlsruhe research Center (FZK)-Germany, [3] Fujirebio, Inc., Hachioji-shi, Japan, * Current address: Institute for Meteorology and Climate - Atmospheric Aerosol Research (IMK-AAF), Karlsruhe research Center (FZK)- Germany

6th German - Brazilian Workshop on Applied Surface Science 14-19/Sep/2008

10. Hydration of Mineral Surfaces Probed at the Molecular Level

Mathias Flörsheimer, Klaus Kruse, Robert Polly, Ahmed Abdelmonem, Bernd Schimmelpfennig, Reinhardt Klenze, and Thomas Fanghänel

Web Release Date: 04-Nov-2008; (Research Article) **DOI: 10.1021/la801677y**