

Ausgewählte Publikationen Dr. rer. nat. Tim Maisch

1. The role of singlet oxygen and oxygen concentration in photodynamic inactivation of bacteria. T. Maisch, J. Baier, B. Franz, M. Maier, M. Landthaler, R.M. Szeimies, W. Bäumlner. PNAS. 2007 Apr 24; 104(17): 7223-7228
2. Direct detection of singlet oxygen generated by UVA irradiation in phospholipids, human cells and skin. Jürgen Baier*, Tim Maisch*, Max Maier, Michael Landthaler, Wolfgang Bäumlner. *both authors contributed equally, J Invest Dermatol, 2007 Mar 15; [Epub ahead of print]
3. Safety testing of indocyanine green in an ex vivo porcine retina model. P. Saikia P, T. Maisch, K. Kobuch, T.L. Jackson, W. Baeumlner, R.M. Szeimies, V.P. Gabel, J. Hillenkamp; Invest Ophthalmol Vis Sci. 2006 Nov; 47(11):4998-5003
4. Establishment of an extraction method for the recovery of tattoo pigments from human skin using HPLC diode array detector technology. E. Engel, F. Santarelli, R. Vasold, H. Ulrich, T. Maisch, B. Koenig, M. Landthaler, N.V. Gopee, P.C. Howard, W. Baeumlner; Anal Chem. 2006 Sep 15; 78(18):6440-7
5. Singlet oxygen generation by UVA light exposure of endogenous photosensitizers. J. Baier, T. Maisch, M. Maier, E. Engel, M. Landthaler, W. Bäumlner; Biophys J. 2006 Aug 15; 91(4):1452-9
6. *In vitro* and *in vivo* comparison of two different light sources for topical photodynamic therapy. P. Babilas, E. Kohl, T. Maisch, H. Bäcker, B. Gross, A.L. Branzan, W. Bäumlner, M. Landthaler, S. Karrer, R.M. Szeimies; Br J Dermatol. 2006 Apr; 154(4):712-8.
7. Photodynamic effects on prokaryotic and eukaryotic cells using the novel XF Porphyrine derivatives. T. Maisch, C. Bosl, R.M. Szeimies, N. Lehn and C. Abels; Antimicrob Agents Chemother, 2005 Apr; 49(4):1542-52)
8. Upregulation of CD40 expression on endothelial cells infected with human cytomegalovirus. T. Maisch, B. Kropff, C. Sinzger, and M. Mach; J Virol. 2002 Dec; 76(24):12803-12

Übersichtsarbeiten

1. Revitalized Strategies Against Multi-Resistant Bacteria: Antimicrobial Photodynamic Therapy and Bacteriophage Therapy. Tim Maisch; *Anti-Infective Agents in Medicinal Chemistry*, 2007 in press
2. Anti-microbial photodynamic therapy: useful in the future? T. Maisch; *Lasers Med Sci.* 2006 Nov 21 [Epub ahead of print]
3. Antibacterial photodynamic therapy: A new treatment for bacterial skin diseases? T. Maisch, R.M Szeimies, N. Lehn, and C. Abels; *Hautarzt*, 2005 Nov;56(11):1048-55
4. Antibacterial photodynamic therapy in dermatology. T. Maisch, R.M. Szeimies, G. Jori, and C. Abels; *Photochem. Photobiol. Sci.*, 2004, 10, 907-917

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