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## Publications

### **TERAHERTZ TEKNOLOGI: ud af laboratoriet og ind i fremtiden**

Skovsen, E., 2019, In: *Aktuel Naturvidenskab*. 2019, 2, p. 18-21 4 p.

### **An Investigation of the Interaction between Melittin and a Model Lipid Bilayer**

Skovsen, E., Fojan, P. & Slyngborg, M., 31 Mar 2015, In: *Journal of Self-Assembly and Molecular Electronics (SAME)*. 2, p. 53-76 4.

### **Erratum: Plasmonic black gold based broadband polarizers for ultra-short laser pulses (Appl. Phys. Lett. (2013) 103 (211102))**

Skovsen, E., Søndergaard, T., Lemke, C., Stær, T. H., Leissner, T., Eriksen, R. L., Beermann, J., Bauer, M., Pedersen, K. & Bozhevolnyi, S. I., 6 Jan 2014, In: *Applied Physics Letters*. 104, 1, 019903.

### **Plasmonic black gold based broadband polarizers for ultra-short laser pulses**

Skovsen, E., Søndergaard, T., Lemke, C., Stær, T. H., Leissner, T., Eriksen, R. L., Beermann, J., Bauer, M., Pedersen, K. & Bozhevolnyi, S., 18 Nov 2013, In: *Applied Physics Letters*. 103, 21, 4 p., 211102.

### **Local excitation of surface plasmon polaritons by second-harmonic generation in crystalline organic nanofibers**

Skovsen, E., Søndergaard, T., Fiutowski, J., Simesen, P., Lützen, A., Osadnik, A., Rubahn, H.-G., Bozhevolnyi, S. I. & Pedersen, K., 16 Jul 2012, In: *Optics Express*. 20, 15, p. 16715-16725

### **Surface plasmon polariton generation by light scattering off aligned organic nanofibers**

Skovsen, E., Søndergaard, T., Fiutowski, J., Rubahn, H.-G. & Pedersen, K., 2012, In: *Optical Society of America. Journal B: Optical Physics*. 29, 2, p. 249-256

### **Surface plasmon polaritons excitation by second-harmonic generation in KNbO<sub>3</sub> nanowires deposited on thin Ag and Au films**

Skovsen, E., Fojan, P. & Pedersen, K., 2012, *Proceedings of SPIE 2012*. SPIE - International Society for Optical Engineering, Vol. 8424.

### **Immobilizing Biomolecules Near the Diffraction Limit**

Skovsen, E., Petersen, M. T. N., Gennaro, A. K. D., Duroux, L. P. & Petersen, S. B., 2009, In: *Journal of Nanoscience and Nanotechnology*. 9, 7, p. 4333-4337 5 p.

### **Photonic immobilization of high-density protein arrays using Fourier optics**

Skovsen, E., Kold, A. B., Neves Petersen, T. & Petersen, S. B., 2009, In: *Proteomics*. 9, 15, p. 3945-3948 4 p.

### **Reaching (sub-)micrometer resolution of photo-immobilized proteins using diffracted light beams**

Skovsen, E., Neves Petersen, T., Petersen, S. B. & Duroux, L., 2008, In: *Proceedings of SPIE, the International Society for Optical Engineering*. 6848

### **Molecular Printing Using UV-Assisted Immobilization of Biomolecules**

Skovsen, E., Crookshanks, M., Petersen, M. T. N., Duroux, L. & Petersen, S. B., 2007, In: International Journal of Optomechatronics. 1, 4, p. 383-391

### **Photonics and Microarray Technology**

Skovsen, E., Crookshanks, M., Neves Petersen, T., Duroux, L. & Petersen, S. B., 2007, *Optical Sensing Technology and Applications*. Baldini, F., Homola, J., Lieberman, R. A. & Miler, M. (eds.).

### Two Photon Singlet Oxygen Microscopy: the challenges of working with single cells

Skovsen, E., Snyder, J. W., Lambert, J. D. C. & Ogilby, P. R., 2006, In: Photochemistry and Photobiology. 82, p. 1187-1197

### Lifetime and Diffusion of Singlet Oxygen in a Cell

Skovsen, E., Snyder, J. W., Lambert, J. D. C. & Ogilby, P. R., 2005, In: Journal of Physical Chemistry B. 109, 18, p. 8570-8573

### Lifetime and diffusion of singlet oxygen in a cell.

Skovsen, E., Snyder, J., Lambert, J. D. C. & Ogilby, P. R., 2005, In: Journal of Physical Chemistry Part B: Condensed Matter, Materials, Surfaces, Interfaces & Biophysical. 109, p. 8570-8573

### Subcellular, Time-Resolved Studies of Singlet Oxygen in Single Cells

Skovsen, E., Snyder, J. W., Lambert, J. D. C. & Ogilby, P. R., 2005, In: Ceramic Abstracts. 127, 42, p. 14558-14559

### Two-photon photosensitized production of singlet oxygen in water

Skovsen, E., Frederiksen, K. P., McIlroy, S. P., Nielsen, C., Nikolajsen, L., Jørgensen, M., Mikkelsen, K. V. & Ogilby, P. R., 2005, In: Ceramic Abstracts. 127, 1, p. 255-269

### Quantum state tomography of dissociating molecules

Skovsen, E., Stapelfeldt, H., Juhl, S. & Mølmer, K., 2003, In: Physical Review Letters. 91, p. 090406

### **Imaging and Control of Interfering Wave Packets in a Dissociating Molecule**

Skovsen, E., Machholm, M., Ejdrup, T., Thøgersen, J. & Stapelfeldt, H., 1 Jan 2002, In: Physical Review Letters. 89, 13