

Esben Pilgaard Skovsen
Lektor
Institut for Materialer og Produktion
Det Ingeniør- og Naturvidenskabelige Fakultet
Fysik og Mekanik
Physics
Adresstype: Besøgsadresse.
Fibigerstræde 16
5-122
9220
Aalborg Øst
Danmark
E-mail: es@mp.aau.dk
Telefon: +4599407484



Publikationer

TERAHERTZ TEKNOLOGI: ud af laboratoriet og ind i fremtiden

Skovsen, E., 2019, I: *Aktuel Naturvidenskab*. 2019, 2, s. 18-21 4 s.

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

Skovsen, E., Fojan, P. & Slyngborg, M., 31 mar. 2015, I: *Journal of Self-Assembly and Molecular Electronics (SAME)*. 2, s. 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, I: *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, I: *Applied Physics Letters*. 103, 21, 4 s., 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, I: *Optics Express*. 20, 15, s. 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, I: *Optical Society of America. Journal B: Optical Physics*. 29, 2, s. 249-256

Surface plasmon polaritons excitation by second-harmonic generation in KNbO₃ 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, Bind 8424.

Immobilizing Biomolecules Near the Diffraction Limit

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

Photonic immobilization of high-density protein arrays using Fourier optics

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

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

Skovsen, E., Neves Petersen, T., Petersen, S. B. & Duroux, L., 2008, I: *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, I: *International Journal of Optomechatronics*. 1, 4, s. 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. (red.).

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, I: *Photochemistry and Photobiology*. 82, s. 1187-1197

Lifetime and Diffusion of Singlet Oxygen in a Cell

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

Lifetime and diffusion of singlet oxygen in a cell.

Skovsen, E., Snyder, J., Lambert, J. D. C. & Ogilby, P. R., 2005, I: *Journal of Physical Chemistry Part B: Condensed Matter, Materials, Surfaces, Interfaces & Biophysical*. 109, s. 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, I: *Ceramic Abstracts*. 127, 42, s. 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, I: *Ceramic Abstracts*. 127, 1, s. 255-269

Quantum state tomography of dissociating molecules

Skovsen, E., Stapelfeldt, H., Juhl, S. & Mølmer, K., 2003, I: *Physical Review Letters*. 91, s. 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, I: *Physical Review Letters*. 89, 13