

Esben Skovsen

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,433
citations

623188

14
h-index

377514

34
g-index

47
all docs

47
docs citations

47
times ranked

2025
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifetime and Diffusion of Singlet Oxygen in a Cell. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8570-8573.	1.2	391
2	Two-Photon Photosensitized Production of Singlet Oxygen in Water. <i>Journal of the American Chemical Society</i> , 2005, 127, 255-269.	6.6	172
3	Optical detection of singlet oxygen from single cells. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4280.	1.3	123
4	Subcellular, Time-Resolved Studies of Singlet Oxygen in Single Cells. <i>Journal of the American Chemical Society</i> , 2005, 127, 14558-14559.	6.6	109
5	Singlet Oxygen Microscope: From Phase-Separated Polymers to Single Biological Cells. <i>Accounts of Chemical Research</i> , 2004, 37, 894-901.	7.6	75
6	Role of Solvent, pH, and Molecular Size in Excited-State Deactivation of Key Eumelanin Building Blocks: Implications for Melanin Pigment Photostability. <i>Journal of the American Chemical Society</i> , 2008, 130, 17038-17043.	6.6	74
7	Imaging and Control of Interfering Wave Packets in a Dissociating Molecule. <i>Physical Review Letters</i> , 2002, 89, 133004.	2.9	62
8	Flash Photolysis of Cutinase: Identification and Decay Kinetics of Transient Intermediates Formed upon UV Excitation of Aromatic Residues. <i>Biophysical Journal</i> , 2009, 97, 211-226.	0.2	55
9	Two-Photon Singlet Oxygen Microscopy: The Challenges of Working with Single Cells. <i>Photochemistry and Photobiology</i> , 2006, 82, 1187.	1.3	49
10	Photodissociation of laser aligned iodobenzene: Towards selective photoexcitation. <i>Journal of Chemical Physics</i> , 2002, 117, 2097-2102.	1.2	38
11	Release of Antimicrobial Peptides from Electrospun Nanofibres as a Drug Delivery System. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 492-498.	0.5	37
12	Quantum State Tomography of Dissociating Molecules. <i>Physical Review Letters</i> , 2003, 91, 090406.	2.9	30
13	Pore size dependence of diffuse light scattering from anodized aluminum solar cell backside reflectors. <i>Optics Express</i> , 2013, 21, A84.	1.7	30
14	Light-induced immobilisation of biomolecules as an attractive alternative to microdroplet dispensing-based arraying technologies. <i>Proteomics</i> , 2007, 7, 3491-3499.	1.3	27
15	Surface plasmon polariton generation by light scattering off aligned organic nanofibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 249.	0.9	14
16	Conical versus Gaussian terahertz emission from two-color laser-induced air plasma filaments. <i>Optics Letters</i> , 2020, 45, 2132.	1.7	12
17	Local excitation of surface plasmon polaritons by second-harmonic generation in crystalline organic nanofibers. <i>Optics Express</i> , 2012, 20, 16715.	1.7	11
18	Surface plasmon polariton excitation by second harmonic generation in single organic nanofibers. <i>Optics Express</i> , 2015, 23, 16356.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Novel photonic technique creates micrometer resolution protein arrays and provides a new approach to coupling of genes, peptide hormones and drugs to nanoparticle carriers. Applied Surface Science, 2007, 253, 8125-8129.	3.1	10
20	Photonic immobilization of high-density protein arrays using Fourier optics. Proteomics, 2009, 9, 3945-3948.	1.3	10
21	Biophysical Properties of Phenyl Succinic Acid Derivatized Hyaluronic Acid. Journal of Fluorescence, 2010, 20, 483-492.	1.3	10
22	Immobilization of biomolecules onto surfaces according to ultraviolet light diffraction patterns. Applied Optics, 2010, 49, 5344.	2.1	10
23	Immobilizing Biomolecules Near the Diffraction Limit. Journal of Nanoscience and Nanotechnology, 2009, 9, 4333-4337.	0.9	9
24	Plasmonic black gold based broadband polarizers for ultra-short laser pulses. Applied Physics Letters, 2013, 103, 211102.	1.5	9
25	Microstructured gradient-index lenses for THz photoconductive antennas. AIP Advances, 2016, 6, .	0.6	9
26	Printing Novel Molecular Architectures with Micrometer Resolution Using Light. Journal of Nanoscience and Nanotechnology, 2009, 9, 3372-3381.	0.9	8
27	Near-field electrospinning of dielectric-loaded surface plasmon polariton waveguides. Optics Express, 2013, 21, 4355.	1.7	8
28	Using light to bioactivate surfaces: A new way of creating oriented, active immunobiosensors. Applied Surface Science, 2007, 254, 1126-1130.	3.1	7
29	Molecular Printing Using UV-Assisted Immobilization of Biomolecules. International Journal of Optomechatronics, 2007, 1, 383-391.	3.3	5
30	Study of the tryptophan-terbium FRET pair coupled to silver nanoprisms for biosensing applications. Physical Chemistry Chemical Physics, 2013, 15, 8838.	1.3	4
31	Analysis and Classification of Frequency-Domain Terahertz Reflection Spectra Using Supervised and Unsupervised Dimensionality Reduction Methods. Journal of Infrared, Millimeter, and Terahertz Waves, 0, , 1.	1.2	4
32	Theoretical analysis of compact cylindrical microlenses for terahertz photoconductive antennas in the photomixer regime. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1109.	0.9	4
33	Fourier transform second harmonic generation for high-resolution nonlinear spectroscopy. Optics Communications, 2021, 482, 126593.	1.0	2
34	Photonics and microarray technology. , 2007, , .		1
35	Tunable local excitation of surface plasmon polaritons by sum-frequency generation in ZnO nanowires. Optics Communications, 2015, 356, 109-112.	1.0	1
36	Singlet Oxygen Microscope: From Phase-Separated Polymers to Single Biological Cells. ChemInform, 2005, 36, no.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Light-powered molecular engineering: a new technology for medical safety applications. Proceedings of SPIE, 2007, , .	0.8	0
38	Reaching (sub-)micrometer resolution of photo-immobilized proteins using diffracted light beams. Proceedings of SPIE, 2008, , .	0.8	0
39	Surface plasmon polaritons excitation by second-harmonic generation in KNbO ₃ nanowires deposited on thin Ag and Au films. Proceedings of SPIE, 2012, , .	0.8	0
40	Plasmonic black metal polarizers for ultra-short laser pulses. Proceedings of SPIE, 2014, , .	0.8	0
41	An Investigation of the Interaction between Melittin and a Model Lipid Bilayer. Journal of Self-Assembly and Molecular Electronics (SAME), 2015, 2, 53-76.	0.0	0
42	Theoretical analysis of microstructured gradient-index lens for THz photonics using Greens function integral equation methods. , 2016, , .		0
43	Experimental Binary Optimization of Resonant Dipole Antennas for Remote Sensing Below 2THz. , 2018, , .		0
44	Design of a compact cylindrical micro-lens for efficient out-coupling and collimation of THz radiation from a photoconductive antenna. , 2019, , .		0