Niels MÃ¸ller Israelsen

List of Publications by Year
in descending order

25 papers	468 citations	933447 10 h-index	940533 16 g-index
25 all docs	25 docs citations	25 times ranked	655 citing authors

#	Article	IF	Citations
1	Real-time high-resolution mid-infrared optical coherence tomography. Light: Science and Applications, 2019, 8, 11.	16.6	182
2	The value of ultrahigh resolution OCT in dermatology - delineating the dermo-epidermal junction, capillaries in the dermal papillae and vellus hairs. Biomedical Optics Express, 2018, 9, 2240.	2.9	40
3	Generation and Controlled Routing of Single Plasmons on a Chip. Nano Letters, 2014, 14, 663-669.	9.1	39
4	Noise of supercontinuum sources in spectral domain optical coherence tomography. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A154.	2.1	39
5	Shot-noise limited, supercontinuum-based optical coherence tomography. Light: Science and Applications, 2021, 10, 133.	16.6	35
6	Determining the internal quantum efficiency of shallow-implanted nitrogen-vacancy defects in bulk diamond. Optics Express, 2016, 24, 27715.	3.4	27
7	Recovering distance information in spectral domain interferometry. Scientific Reports, 2018, 8, 15445.	3.3	22
8	All-depth dispersion cancellation in spectral domain optical coherence tomography using numerical intensity correlations. Scientific Reports, 2018, 8, 9170.	3.3	20
9	Gabor fusion master slave optical coherence tomography. Biomedical Optics Express, 2017, 8, 813.	2.9	18
10	Two optical coherence tomography systems detect topical gold nanoshells in hair follicles, sweat ducts and measure epidermis. Journal of Biophotonics, 2018, 11, e201700348.	2.3	15
11	Potential of contrast agents to enhance in vivo confocal microscopy and optical coherence tomography in dermatology: A review. Journal of Biophotonics, 2019, 12, e201800462.	2.3	9
12	High-resolution mid-infrared optical coherence tomography with kHz line rate. Optics Letters, 2021, 46, 4558.	3.3	8
13	Increasing the photon collection rate from a single NV center with a silver mirror. Journal of Optics (United Kingdom), 2014, 16, 114017.	2.2	5
14	Differentiation Between Benign and Malignant Pigmented Skin Tumours Using Bedside Diagnostic Imaging Technologies: A Pilot Study. Acta Dermato-Venereologica, 2021, 102, adv00634.	1.3	4
15	Non-destructive testing of layer-to-layer fusion of a 3D print using ultrahigh resolution optical coherence tomography. , 2017, , .		1
16	Delineating papillary dermis around basal cell carcinomas by high and ultrahigh resolution optical coherence tomographyâ€"A pilot study. Journal of Biophotonics, 2021, 14, e202100083.	2.3	1
17	Supercontinuum applications in high resolution non invasive optical imaging. , 2018, , .		1
18	Mid-infrared OCT imaging in highly scattering samples using real-time upconversion of broadband supercontinuum covering from 3.6-4.6 Î¼m. , 2019, , .		1

#	Article	IF	Citations
19	Nitrogen-vacancy defect emission spectra in the vicinity of an adjustable silver mirror. Materials for Quantum Technology, 2021, 1, 015002.	3.1	1
20	Dispersion free full range spectral intensity optical coherence tomography. , 2017, , .		0
21	Master/slave: a better tool for Gabor filtering optical coherence tomography imaging instruments. , 2017, , .		0
22	Phase estimation for global defocus correction in optical coherence tomography. , 2018, , .		0
23	Resolution dependence on phase extraction by the Hilbert transform in phase calibrated and dispersion compensated ultrahigh resolution spectrometer-based OCT. , 2018, , .		0
24	Mid-infrared optical coherent tomography: non-destructive testing of ceramics and plastics. , 2019, , .		0
25	Coupling colloidal quantum dots to a dielectric slot-waveguide. Journal of Physics Communications, 2020, 4, 085003.	1.2	0