Si Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4637959/publications.pdf

Version: 2024-02-01

22	262	932766 10	940134 16
papers	citations	h-index	g-index

23	23	23	278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectral estimation optical coherence tomography for axial super-resolution. Optics Express, 2015, 23, 26521.	1.7	41
2	Visualizing Micro-anatomical Structures of the Posterior Cornea with Micro-optical Coherence Tomography. Scientific Reports, 2017, 7, 10752.	1.6	38
3	Evaluation of a Micro-Optical Coherence Tomography for the Corneal Endothelium in an Animal Model. Scientific Reports, 2016, 6, 29769.	1.6	27
4	High Resolution Optical Coherence Tomography. Journal of Lightwave Technology, 2021, 39, 3824-3835.	2.7	24
5	Resolution enhancement and realistic speckle recovery with generative adversarial modeling of micro-optical coherence tomography. Biomedical Optics Express, 2020, 11, 7236.	1.5	16
6	Geometry-Dependent Spectroscopic Contrast in Deep Tissues. IScience, 2019, 19, 965-975.	1.9	15
7	Endomicroscopic optical coherence tomography for cellular resolution imaging of gastrointestinal tracts. Journal of Biophotonics, 2018, 11, e201700141.	1.1	13
8	Constrained polarization evolution simplifies depth-resolved retardation measurements with polarization-sensitive optical coherence tomography. Biomedical Optics Express, 2019, 10, 5207.	1.5	12
9	Towards High Speed Imaging of Cellular Structures in Rat Colon Using Micro-Optical Coherence Tomography. IEEE Photonics Journal, 2016, , 1-1.	1.0	10
10	Understanding optical reflectance contrast for realâ€time characterization of epithelial precursor lesions. Bioengineering and Translational Medicine, 2019, 4, e10137.	3.9	10
11	Contrast of nuclei in stratified squamous epithelium in optical coherence tomography images at 800 nm. Journal of Biophotonics, 2019, 12, e201900073.	1.1	10
12	Single input state polarization-sensitive optical coherence tomography with high resolution and polarization distortion correction. Optics Express, 2019, 27, 6910.	1.7	9
13	Modeling of Mechanical Stress Exerted by Cholesterol Crystallization on Atherosclerotic Plaques. PLoS ONE, 2016, 11, e0155117.	1.1	9
14	Evaluation of ultrahighâ€resolution optical coherence tomography for basal cell carcinoma, seborrheic keratosis, and nevus. Skin Research and Technology, 2020, 27, 479-485.	0.8	6
15	The prevalence of lower eyelid epiblepharon and its association with refractive errors in Chinese preschool children: a cross-sectional study. BMC Ophthalmology, 2021, 21, 3.	0.6	6
16	Photodynamic Bubble-Generating Microneedles for Enhanced Transdermal Cancer Therapy. ACS Applied Polymer Materials, 2021, 3, 6502-6512.	2.0	6
17	Novel application of In Vivo Micro-Optical Coherence Tomography to assess Cornea scarring in an Animal Model. Scientific Reports, 2018, 8, 11483.	1.6	4
18	Contrast enhancement of spectral domain optical coherence tomography using spectrum correction. Computers in Biology and Medicine, 2017, 89, 505-511.	3.9	3

#	Article	IF	Citations
19	Optical Coherence Tomography With Gapped Spectrum. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	2
20	Contrast enhancement of spectral domain optical coherence tomography using spectrum correction. , 2017, , .		1
21	Micro-optical coherence tomography endoscopic imaging of rat colon ex vivo. , 2017, , .		0
22	Interferometer-in-Spectrometer for High-Resolution Optical Coherence Tomography. Journal of Sensors, 2020, 2020, 1-6.	0.6	0