

Si Chen

List of Publications by Year in descending order

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

Version: 2024-02-01

22
papers

262
citations

933447
10
h-index

940533
16
g-index

23
all docs

23
docs citations

23
times ranked

278
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Spectral estimation optical coherence tomography for axial super-resolution. Optics Express, 2015, 23, 26521. | 3.4 | 41 |
| 2 | Visualizing Micro-anatomical Structures of the Posterior Cornea with Micro-optical Coherence Tomography. Scientific Reports, 2017, 7, 10752. | 3.3 | 38 |
| 3 | Evaluation of a Micro-Optical Coherence Tomography for the Corneal Endothelium in an Animal Model. Scientific Reports, 2016, 6, 29769. | 3.3 | 27 |
| 4 | High Resolution Optical Coherence Tomography. Journal of Lightwave Technology, 2021, 39, 3824-3835. | 4.6 | 24 |
| 5 | Resolution enhancement and realistic speckle recovery with generative adversarial modeling of micro-optical coherence tomography. Biomedical Optics Express, 2020, 11, 7236. | 2.9 | 16 |
| 6 | Geometry-Dependent Spectroscopic Contrast in Deep Tissues. IScience, 2019, 19, 965-975. | 4.1 | 15 |
| 7 | Endomicroscopic optical coherence tomography for cellular resolution imaging of gastrointestinal tracts. Journal of Biophotonics, 2018, 11, e201700141. | 2.3 | 13 |
| 8 | Constrained polarization evolution simplifies depth-resolved retardation measurements with polarization-sensitive optical coherence tomography. Biomedical Optics Express, 2019, 10, 5207. | 2.9 | 12 |
| 9 | Towards High Speed Imaging of Cellular Structures in Rat Colon Using Micro-Optical Coherence Tomography. IEEE Photonics Journal, 2016, , 1-1. | 2.0 | 10 |
| 10 | Understanding optical reflectance contrast for real-time characterization of epithelial precursor lesions. Bioengineering and Translational Medicine, 2019, 4, e10137. | 7.1 | 10 |
| 11 | Contrast of nuclei in stratified squamous epithelium in optical coherence tomography images at 800 nm. Journal of Biophotonics, 2019, 12, e201900073. | 2.3 | 10 |
| 12 | Single input state polarization-sensitive optical coherence tomography with high resolution and polarization distortion correction. Optics Express, 2019, 27, 6910. | 3.4 | 9 |
| 13 | Modeling of Mechanical Stress Exerted by Cholesterol Crystallization on Atherosclerotic Plaques. PLoS ONE, 2016, 11, e0155117. | 2.5 | 9 |
| 14 | Evaluation of ultrahigh-resolution optical coherence tomography for basal cell carcinoma, seborrheic keratosis, and nevus. Skin Research and Technology, 2020, 27, 479-485. | 1.6 | 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. | 1.4 | 6 |
| 16 | Photodynamic Bubble-Generating Microneedles for Enhanced Transdermal Cancer Therapy. ACS Applied Polymer Materials, 2021, 3, 6502-6512. | 4.4 | 6 |
| 17 | Novel application of In Vivo Micro-Optical Coherence Tomography to assess Cornea scarring in an Animal Model. Scientific Reports, 2018, 8, 11483. | 3.3 | 4 |
| 18 | Contrast enhancement of spectral domain optical coherence tomography using spectrum correction. Computers in Biology and Medicine, 2017, 89, 505-511. | 7.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optical Coherence Tomography With Gapped Spectrum. IEEE Photonics Journal, 2019, 11, 1-9. | 2.0 | 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. | 1.1 | 0 |