Osman O Ahsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12030026/publications.pdf

Version: 2024-02-01

23 papers	799 citations	623734 14 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1050 citing authors

#	Article	IF	Citations
1	Assessment of breast pathologies using nonlinear microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15304-15309.	7.1	169
2	Characterization of buried glands before and after radiofrequency ablation by using 3-dimensional optical coherence tomography (with videos). Gastrointestinal Endoscopy, 2012, 76, 32-40.	1.0	117
3	Structural markers observed with endoscopic 3-dimensional optical coherence tomography correlating with Barrett's esophagus radiofrequency ablation treatment response (with videos). Gastrointestinal Endoscopy, 2012, 76, 1104-1112.	1.0	63
4	Endoscopic Optical Coherence Angiography Enables 3-Dimensional Visualization of Subsurface Microvasculature. Gastroenterology, 2014, 147, 1219-1221.	1.3	50
5	Correction of rotational distortion for catheter-based en face OCT and OCT angiography. Optics Letters, 2014, 39, 5973.	3.3	48
6	Compact piezoelectric transducer fiber scanning probe for optical coherence tomography. Optics Letters, 2014, 39, 186.	3.3	45
7	Swept source optical coherence microscopy using a 1310 nm VCSEL light source. Optics Express, 2013, 21, 18021.	3.4	43
8	Ultrahigh speed endoscopic optical coherence tomography for gastroenterology. Biomedical Optics Express, 2014, 5, 4387.	2.9	34
9	Endoscopic forward-viewing optical coherence tomography and angiography with MHz swept source. Optics Letters, 2017, 42, 3193.	3.3	34
10	Endoscopic optical coherence tomography angiography microvascular features associated with dysplasia in Barrett'sÂesophagus (with video). Gastrointestinal Endoscopy, 2017, 86, 476-484.e3.	1.0	33
11	Silencing of the Drosophila ortholog of SOX5 in heart leads to cardiac dysfunction as detected by optical coherence tomography. Human Molecular Genetics, 2013, 22, 3798-3806.	2.9	28
12	Volumetric Mapping of Barrettâ€™s Esophagus and Dysplasia With en face Optical Coherence Tomography Tethered Capsule. American Journal of Gastroenterology, 2016, 111, 1664-1666.	0.4	28
13	Cycloid scanning for wide field optical coherence tomography endomicroscopy and angiography in vivo. Optica, 2018, 5, 36.	9.3	28
14	Comparison of Tissue Architectural Changes between Radiofrequency Ablation and Cryospray Ablation in Barrettâ€™s Esophagus Using Endoscopic Three-Dimensional Optical Coherence Tomography. Gastroenterology Research and Practice, 2012, 2012, 1-8.	1.5	19
15	Assessment of the radiofrequency ablation dynamics of esophageal tissue with optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 1.	2.6	11
16	Assessment of Barrettâ€™s esophagus and dysplasia with ultrahigh-speed volumetric en face and cross-sectional optical coherence tomography. Endoscopy, 2019, 51, 355-359.	1.8	11
17	Tethered capsule en face optical coherence tomography for imaging Barrettâ€™s oesophagus in unsedated patients. BMJ Open Gastroenterology, 2020, 7, e000444.	2.7	10
18	Ultrahigh-speed endoscopic optical coherence tomography and angiography enables delineation of lateral margins of endoscopic mucosal resection: a case report. Therapeutic Advances in Gastroenterology, 2017, 10, 931-936.	3.2	9

#	Article	IF	Citations
19	Optical Coherence Microscopy. , 2015, , 865-911.		7
20	Ultrahigh speed endoscopic swept source optical coherence tomography using a VCSEL light source and micromotor catheter. , 2014, , .		4
21	Computer-Aided Analysis of Gland-Like Subsurface Hyposcattering Structures in Barrettâ€™s Esophagus Using Optical Coherence Tomography. Applied Sciences (Switzerland), 2018, 8, 2420.	2.5	4
22	Dual-modality optical coherence tomography and fluorescence tethered capsule endomicroscopy. Biomedical Optics Express, 2021, 12, 4308.	2.9	2
23	Passively scanned, singleâ€fiber optical coherence tomography probes for gastrointestinal devices. Lasers in Surgery and Medicine, 2022, 54, 935-944.	2.1	2