Aneesh Alex

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	1,323 citations	623734 14 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	2014 citing authors

#	Article	IF	Citations
1	Thymic stromal lymphopoietinâ€“elicited basophil responses promote eosinophilic esophagitis. Nature Medicine, 2013, 19, 1005-1013.	30.7	351
2	Multimodal photoacoustic and optical coherence tomography scanner using an all optical detection scheme for 3D morphological skin imaging. Biomedical Optics Express, 2011, 2, 2202.	2.9	166
3	In situ structural and microangiographic assessment of human skin lesions with high-speed OCT. Biomedical Optics Express, 2012, 3, 2636.	2.9	133
4	In Vivo, In Situ Imaging of Microneedle Insertion into the Skin of Human Volunteers Using Optical Coherence Tomography. Pharmaceutical Research, 2011, 28, 66-81.	3.5	102
5	Multispectral in vivo three-dimensional optical coherence tomography of human skin. Journal of Biomedical Optics, 2010, 15, 026025.	2.6	94
6	Photonic integrated Mach-Zehnder interferometer with an on-chip reference arm for optical coherence tomography. Biomedical Optics Express, 2014, 5, 1050.	2.9	75
7	Optogenetic pacing in Drosophila melanogaster. Science Advances, 2015, 1, e1500639.	10.3	50
8	Optical Coherence Tomography for Brain Imaging and Developmental Biology. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-13.	2.9	48
9	Realâ€time in vivo imaging of adult Zebrafish brain using optical coherence tomography. Journal of Biophotonics, 2009, 2, 288-291.	2.3	45
10	Threeâ€dimensional multiphoton/optical coherence tomography for diagnostic applications in dermatology. Journal of Biophotonics, 2013, 6, 352-362.	2.3	45
11	Space-division multiplexing optical coherence tomography. Optics Express, 2013, 21, 19219.	3.4	36
12	A Circadian Clock Gene, Cry, Affects Heart Morphogenesis and Function in Drosophila as Revealed by Optical Coherence Microscopy. PLoS ONE, 2015, 10, e0137236.	2.5	24
13	Simultaneous label-free autofluorescence and multi-harmonic imaging reveals in vivo structural and metabolic changes in murine skin. Biomedical Optics Express, 2019, 10, 5431.	2.9	20
14	In situ biodistribution and residency of a topical antiâ€inflammatory using fluorescence lifetime imaging microscopy. British Journal of Dermatology, 2018, 179, 1342-1350.	1.5	16
15	3D optical coherence tomography for clinical diagnosis of nonmelanoma skin cancers. Imaging in Medicine, 2011, 3, 653-674.	0.0	15
16	In vivo characterization of minipig skin as a model for dermatological research using multiphoton microscopy. Experimental Dermatology, 2020, 29, 953-960.	2.9	15
17	Non-invasive monitoring of pharmacodynamics during the skin wound healing process using multimodal optical microscopy. BMJ Open Diabetes Research and Care, 2020, 8, e000974.	2.8	15
18	In vivo response of GsdmA3Dfl/+ mice to topically applied anti-psoriatic agents: effects on epidermal thickness, as determined by optical coherence tomography and H&E staining. Experimental Dermatology, 2011, 20, 269-272.	2.9	14

#	Article	IF	Citations
19	Drosophila Preparation and Longitudinal Imaging of Heart Function In Vivo Using Optical Coherence Microscopy (OCM). Journal of Visualized Experiments, 2016, , .	0.3	14
20	Investigating the healing mechanisms of an angiogenesisâ€promoting topical treatment for diabetic wounds using multimodal microscopy. Journal of Biophotonics, 2018, 11, e201700195.	2.3	14
21	Characterization of eosinophilic esophagitis murine models using optical coherence tomography. Biomedical Optics Express, 2014, 5, 609.	2.9	10
22	Longitudinal monitoring of cell metabolism in biopharmaceutical production using labelâ€free fluorescence lifetime imaging microscopy. Biotechnology Journal, 2021, 16, e2000629.	3.5	8
23	Differential Uptake of Antisense Oligonucleotides in Mouse Hepatocytes and Macrophages Revealed by Simultaneous Two-Photon Excited Fluorescence and Coherent Raman Imaging. Nucleic Acid Therapeutics, 2021, , .	3.6	6
24	Three-dimensional calibration targets for optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	4
25	Label-Free Imaging of Eosinophilic Esophagitis Mouse Models Using Optical Coherence Tomography. Methods in Molecular Biology, 2016, 1422, 127-136.	0.9	2
26	Photoacoustic / Optical Coherence Tomography. , 2015, , 1579-1598.		0
27	An Integrated Optical Coherence Microscopy Imaging and Optical Stimulation System for Optogenetic Pacing in Drosophila melanogaster. , 2016, , .		0