

Lars Thrane

List of Publications by Year in descending order

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33
papers

2,114
citations

430754

18
h-index

526166

27
g-index

33
all docs

33
docs citations

33
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the temperature dependence of dielectric relaxation in liquid water by THz reflection spectroscopy and molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 1997, 107, 5319-5331.	1.2	539
2	Analysis of optical coherence tomography systems based on the extended Huygens-Fresnel principle. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 484.	0.8	219
3	Determination of optical scattering properties of highly-scattering media in optical coherence tomography images. <i>Optics Express</i> , 2004, 12, 249.	1.7	193
4	Optical Coherence Tomography. <i>Circulation</i> , 2002, 106, 2771-2774.	1.6	183
5	Assessment of Optical Coherence Tomography Imaging in the Diagnosis of Non-Melanoma Skin Cancer and Benign Lesions Versus Normal Skin. <i>Dermatologic Surgery</i> , 2009, 35, 965-972.	0.4	175
6	OCT imaging of skin cancer and other dermatological diseases. <i>Journal of Biophotonics</i> , 2009, 2, 442-451.	1.1	161
7	Morphology and Epidermal Thickness of Normal Skin Imaged by Optical Coherence Tomography. <i>Dermatology</i> , 2008, 217, 14-20.	0.9	156
8	High-resolution in vivo imaging of the cross-sectional deformations of contracting embryonic heart loops using optical coherence tomography. <i>Developmental Dynamics</i> , 2008, 237, 953-961.	0.8	69
9	Optical coherence tomography imaging of psoriasis vulgaris: correlation with histology and disease severity. <i>Archives of Dermatological Research</i> , 2010, 302, 105-111.	1.1	58
10	Extraction of optical scattering parameters and attenuation compensation in optical coherence tomography images of multilayered tissue structures. <i>Optics Letters</i> , 2004, 29, 1641.	1.7	55
11	In vivo imaging of the cyclic changes in cross-sectional shape of the ventricular segment of pulsating embryonic chick hearts at stages 14 to 17: A contribution to the understanding of the ontogenesis of cardiac pumping function. <i>Developmental Dynamics</i> , 2009, 238, 3273-3284.	0.8	41
12	Application of optical coherence tomography (OCT) as a 3-dimensional imaging technique for roll-to-roll coated polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 97, 181-185.	3.0	38
13	Advanced modelling of optical coherence tomography systems. <i>Physics in Medicine and Biology</i> , 2004, 49, 1307-1327.	1.6	35
14	Imaging of intradermal tattoos by optical coherence tomography. <i>Skin Research and Technology</i> , 2007, 13, 444-448.	0.8	29
15	How histological features of basal cell carcinomas influence image quality in optical coherence tomography. <i>Journal of Biophotonics</i> , 2011, 4, 544-551.	1.1	29
16	Imaging of cutaneous larva migrans by optical coherence tomography. <i>Travel Medicine and Infectious Disease</i> , 2007, 5, 243-246.	1.5	20
17	Swept wavelength source in the 1 μm range. <i>Optics Express</i> , 2005, 13, 4096.	1.7	18
18	Rotationally acquired four-dimensional optical coherence tomography of embryonic chick hearts using retrospective gating on the common central A-scan. <i>Journal of Biomedical Optics</i> , 2011, 16, 096007.	1.4	18

#	ARTICLE	IF	CITATIONS
19	Improved quality of optical coherence tomography imaging of basal cell carcinomas using speckle reduction. <i>Experimental Dermatology</i> , 2010, 19, e293-5.	1.4	15
20	Complex decorrelation averaging in optical coherence tomography: a way to reduce the effect of multiple scattering and improve image contrast in a dynamic scattering medium. <i>Optics Letters</i> , 2017, 42, 2738.	1.7	11
21	Integration of an optical coherence tomography (OCT) system into an examination incubator to facilitate in vivo imaging of cardiovascular development in higher vertebrate embryos under stable physiological conditions. <i>Annals of Anatomy</i> , 2011, 193, 425-435.	1.0	9
22	Glutathione Protects the Developing Heart from Defects and Global DNA Hypomethylation Induced by Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 69-78.	1.4	9
23	Field programmable gate-array-based real-time optical Doppler tomography system for <i>in vivo</i> imaging of cardiac dynamics in the chick embryo. <i>Optical Engineering</i> , 2009, 48, 023201.	0.5	8
24	Semiconductor optical amplifier based swept wavelength source at 1060nm using a scanning Fabry-Perot filter and an YDFA-based booster amplifier. <i>Optics Communications</i> , 2007, 271, 197-202.	1.0	7
25	Optical Coherence Tomography in Dermatology. , 2006, , 257-266.		5
26	True-reflection OCT imaging. , 2002, 4619, 36.		4
27	Optical Doppler tomography based on a field programmable gate array. <i>Biomedical Signal Processing and Control</i> , 2008, 3, 102-106.	3.5	3
28	Complex regression Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	3
29	Biophotonics. <i>Optics and Photonics News</i> , 2004, 15, 19.	0.4	1
30	Optical Doppler coherence tomography based on a field-programmable gate array. , 2005, 5690, 263.		1
31	Optical tissue clearing improves usability of optical coherence tomography (OCT) for high-throughput analysis of the internal structure and 3D morphology of small biological objects such as vertebrate embryos. , 2014, , .		1
32	Modeling Light-Tissue Interaction in Optical Coherence Tomography Systems. , 2015, , 95-140.		1
33	Optical Coherence Tomography: Advanced Modeling. , 2013, , 743-798.		0