Kye-Sung Lee

List of Publications by Year
in descending order

31 papers	926 citations	516710 16 h-index	677142 22 g-index
31 all docs	31 docs citations	31 times ranked	860 citing authors

#	Article	IF	Citations
1	High speed parallel spectral-domain OCT using spectrally encoded line-field illumination. Applied Physics Letters, 2018, 112, 041102.	3.3	7
2	Spectrally encoded common-path fiber-optic-based parallel optical coherence tomography. Optics Letters, 2016, 41, 4241.	3.3	7
3	Parallelized multiâ€“graphics processing unit framework for high-speed Gabor-domain optical coherence microscopy. Journal of Biomedical Optics, 2014, 19, 071410.	2.6	23
4	Optical Coherence Tomography Enabling Non Destructive Metrology of Layered Polymeric GRIN Material. Scientific Reports, 2013, 3, .	3.3	51
5	Maximum-likelihood estimation in Optical Coherence Tomography in the context of the tear film dynamics. Biomedical Optics Express, 2013, 4, 1806.	2.9	16
6	Phantom study of tear film dynamics with optical coherence tomography and maximum-likelihood estimation. Optics Letters, 2013, 38, 1721.	3.3	16
7	Nondestructive metrology by optical coherence tomography empowering manufacturing iterations of layered polymeric optical materials. Optical Engineering, 2013, 52, 112111.	1.0	12
8	Three-dimensional imaging of normal skin and nonmelanoma skin cancer with cellular resolution using Gabor domain optical coherence microscopy. Journal of Biomedical Optics, 2012, 17, 1.	2.6	45
9	Nondestructive metrology of layered polymeric optical materials using optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	0
10	Experimental investigations of the scanning functions of galvanometer-based scanners with applications in OCT. Applied Optics, 2011, 50, 5735.	2.1	87
11	Micrometer axial resolution OCT for corneal imaging. Biomedical Optics Express, 2011, 2, 3037.	2.9	64
12	Cellular resolution optical coherence microscopy with high acquisition speed for in-vivo human skin volumetric imaging. Optics Letters, 2011, 36, 2221.	3.3	28
13	Micron-class axial resolution FD OCT with high acquisition speed using a broadband astigmatism-corrected spectrometer. Proceedings of SPIE, 2011, , .	0.8	0
14	Nondestructive 3-D imaging of femtosecond laser written volumetric structures using optical coherence microscopy. Applied Physics A: Materials Science and Processing, 2011, 104, 289-294.	2.3	6
15	Broadband Fourier-domain mode-locked lasers. Photonic Sensors, 2011, 1, 222-227.	5.0	8
16	Applications of Gabor domain optical coherence microscopy. , 2011, , .		0
17	High resolution axicon-based endoscopic FD OCT imaging with a large depth range. , 2010, , .		1
18	Liquid lens enabled optical coherence microscope with Gabor fusion. , 2010, , .		0

#	Article	IF	Citations
19	Assessment of a liquid lens enabled in vivooptical coherence microscope. Applied Optics, 2010, 49, D145.	2.1	33
20	Doppler imaging with dual-detection full-range frequency domain optical coherence tomography. Biomedical Optics Express, 2010, 1, 537.	2.9	20
21	Gabor-based fusion technique for Optical Coherence Microscopy. Optics Express, 2010, 18, 3632.	3.4	110
22	Broadband astigmatism-corrected â€¨Czernyâ€“Turner spectrometer. Optics Express, 2010, 18, 23378.	3.4	96
23	Dual detection full range frequency domain optical coherence tomography. Optics Letters, 2010, 35, 1058.	3.3	31
24	Performance of a Liquid Lens Enabled Optical Coherence Microscope with Gabor Fusion. , 2010, , .		0
25	Optical Coherence Microscopy Using Bessel Beam. , 2010, , .		0
26	Gabor Domain Optical Coherence Microscopy. , 2009, , .		0
27	Gabor domain optical coherence microscopy. Proceedings of SPIE, 2009, , .	0.8	0
28	Bessel beam spectral-domain high-resolution optical coherence tomography with micro-optic axicon providing extended focusing range. Optics Letters, 2008, 33, 1696.	3.3	207
29	Optical design of a dynamic focus catheter for high-resolution endoscopic optical coherence tomography. Applied Optics, 2008, 47, 2452.	2.1	20
30	Gabor domain optical coherence microscopy. Proceedings of SPIE, 2008, , .	0.8	9
31	Dispersion control with a Fourier-domain optical delay line in a fiber-optic imaging interferometer. Applied Optics, 2005, 44, 4009.	2.1	29