

Andrzej Kowalczyk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10939568/publications.pdf>

Version: 2024-02-01

74
papers

5,733
citations

185998

28
h-index

243296

44
g-index

75
all docs

75
docs citations

75
times ranked

3049
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient reduction of speckle noise in Optical Coherence Tomography. Optics Express, 2012, 20, 1337.	1.7	154
2	Microfluidics analysis of blood using joint spectral and time domain optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	0
3	Swept source OCT with air puff chamber for corneal dynamics measurements. Proceedings of SPIE, 2012, , .	0.8	2
4	Assessment of corneal dynamics with high-speed swept source Optical Coherence Tomography combined with an air puff system. Optics Express, 2011, 19, 14188.	1.7	92
5	Drusen with Accompanying Fluid underneath the Sensory Retina. Ophthalmology, 2011, 118, 82-92.	2.5	38
6	Segmented scanning protocols for speckle contrast reduction in Spectral OCT images. , 2011, , .		0
7	Cortical blood flow imaging of mouse stroke model by high-speed Spectral OCT. Proceedings of SPIE, 2011, , .	0.8	0
8	Volumetric Doppler imaging of small animal brain using spectral and time domain optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	0
9	True velocity mapping using joint spectral and time domain optical coherence tomography. , 2010, , .		2
10	High-speed optical coherence imaging: towards the structure and the physiology of living tissue. , 2010, , .		0
11	Imaging of the lens capsule with an ultrahigh-resolution spectral optical coherence tomography prototype based on a femtosecond laser. British Journal of Ophthalmology, 2010, 94, 275-277.	2.1	10
12	Observation of blood optical inhomogeneity using joint spectral and time domain OCT. , 2010, , .		1
13	Real-time bulk motion insensitive flow segmentation algorithm for Doppler spectral optical coherence tomography. , 2010, , .		0
14	Velocity resolution and minimum detectable velocity in joint Spectral and Time domain OCT. , 2010, , .		1
15	Comparison of reflectivity maps and outer retinal topography in retinal disease by 3-D Fourier domain optical coherence tomography. Optics Express, 2009, 17, 4189.	1.7	30
16	Anterior segment imaging with Spectral OCT system using a high-speed CMOS camera. Optics Express, 2009, 17, 4842.	1.7	193
17	Three-dimensional quantitative imaging of retinal and choroidal blood flow velocity using joint Spectral and Time domain Optical Coherence Tomography. Optics Express, 2009, 17, 10584.	1.7	96
18	Flow velocity estimation by complex ambiguity free joint Spectral and Time domain Optical Coherence Tomography. Optics Express, 2009, 17, 14281.	1.7	39

#	ARTICLE	IF	CITATIONS
19	Ultra high-speed swept source OCT imaging of the anterior segment of human eye at 200 kHz with adjustable imaging range. Optics Express, 2009, 17, 14880.	1.7	214
20	Scanning protocols dedicated to smart velocity ranging in Spectral OCT. Optics Express, 2009, 17, 23736.	1.7	118
21	Segmentation of flowing particles using joint spectral and time domain optical coherence tomography. , 2009, , .		0
22	Three-dimensional retinal blood flow analysis using joint spectral and time domain optical coherence tomography. Proceedings of SPIE, 2009, , .	0.8	0
23	Simultaneous complex ambiguity removal and quantitative flow velocity estimation with joint spectral and time domain OCT. Proceedings of SPIE, 2009, , .	0.8	0
24	Analysis of the Outer Retina Reconstructed by High-Resolution, Three-Dimensional Spectral Domain Optical Coherence Tomography. Ophthalmic Surgery Lasers and Imaging Retina, 2009, 40, 102-108.	0.4	18
25	Fuchs' Endothelial Dystrophy in 830-nm Spectral Domain Optical Coherence Tomography. Ophthalmic Surgery Lasers and Imaging Retina, 2009, 40, 198-200.	0.4	17
26	Phase-resolved Doppler optical coherence tomographyâ€™limitations and improvements. Optics Letters, 2008, 33, 1425.	1.7	90
27	Improved spectral optical coherence tomography using optical frequency comb. Optics Express, 2008, 16, 4163.	1.7	121
28	Flow velocity estimation using joint Spectral and Time domain Optical Coherence Tomography. Optics Express, 2008, 16, 6008.	1.7	192
29	Simultaneous analysis of extinction and flow velocity with joint spectral and time domain OCT. , 2008, , .		0
30	Retinal blood flow analysis using joint spectral and time domain optical coherence tomography. Proceedings of SPIE, 2008, , .	0.8	0
31	Granular Corneal Dystrophy in 830-nm Spectral Optical Coherence Tomography. Cornea, 2008, 27, 830-832.	0.9	24
32	Spectral Optical Coherence Tomography using scanning optical frequency comb generator. , 2008, , .		0
33	From medical to art diagnostics OCT: a novel tool for varnish ablation control. , 2007, , .		6
34	Analysis of posterior retinal layers in spectral optical coherence tomography images of the normal retina and retinal pathologies. Journal of Biomedical Optics, 2007, 12, 041207.	1.4	36
35	Spectral Optical Coherence Tomography in Video-Rate and 3D Imaging of Contact Lens Wear. Optometry and Vision Science, 2007, 84, E1104-E1109.	0.6	23
36	In vivo imaging of posterior capsule opacification using Spectral Optical Coherence Tomography. Journal of Cataract and Refractive Surgery, 2006, 32, 1892-1895.	0.7	6

#	ARTICLE	IF	CITATIONS
37	High-Definition and 3-dimensional Imaging of Macular Pathologies with High-speed Ultrahigh-Resolution Optical Coherence Tomography. <i>Ophthalmology</i> , 2006, 113, 2054-2065.e3.	2.5	310
38	Spectral optical coherence tomography: a new imaging technique in contact lens practice. <i>Ophthalmic and Physiological Optics</i> , 2006, 26, 127-132.	1.0	36
39	The spectral OCT image extracting without phase measurements. , 2005, , .		0
40	The applicability of standard resolution spectral optical coherence tomography for examination of the eye pathologies. , 2005, , .		0
41	Three-dimensional retinal imaging with ultrahigh resolution Fourier/spectral domain optical coherence tomography. , 2005, 5688, 90.		0
42	Full-range complex spectral domain optical coherence tomography with arbitrary or unknown phase. , 2005, , .		0
43	Standard resolution spectral domain optical coherence tomography in clinical ophthalmic imaging. , 2005, , .		1
44	Clinical studies using ultrahigh resolution and high-speed optical coherence tomography. , 2005, , .		0
45	Improved complex spectral domain OCT for in vivo eye imaging. <i>Optics Communications</i> , 2005, 249, 357-362.	1.0	38
46	Quality improvement for high resolution in vivo images by spectral domain optical coherence tomography with supercontinuum source. <i>Optics Communications</i> , 2005, 246, 569-578.	1.0	48
47	Degradation of postural control system as a consequence of Parkinson's disease and ageing. <i>Neuroscience Letters</i> , 2005, 376, 215-220.	1.0	50
48	Three-dimensional Retinal Imaging with High-Speed Ultrahigh-Resolution Optical Coherence Tomography. <i>Ophthalmology</i> , 2005, 112, 1734-1746.	2.5	633
49	Two-dimensional Langevin approach to the human stabilogram. <i>Human Movement Science</i> , 2004, 22, 649-660.	0.6	19
50	Complex spectral OCT in human eye imaging in vivo. <i>Optics Communications</i> , 2004, 229, 79-84.	1.0	55
51	Ophthalmic imaging by spectral optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2004, 138, 412-419.	1.7	287
52	Ultrahigh-resolution, high-speed, Fourier domain optical coherence tomography and methods for dispersion compensation. <i>Optics Express</i> , 2004, 12, 2404.	1.7	1,095
53	Real-time and static in vivo ophthalmic imaging by spectral optical coherence tomography. , 2004, 5314, 126.		1
54	Three-dimensional in vivo imaging by spectral OCT. , 2004, , .		6

#	ARTICLE	IF	CITATIONS
55	Spectral shaping and least square iterative deconvolution in spectral OCT. , 2004, , .		2
56	Static and dynamic spectral OCT imaging of human corneo-scleral junction in-vivo. , 2004, , .		0
57	Numerical estimation of the total phase shift in complex spectral OCT in vivo imaging. , 2004, 5316, 248.		1
58	The Application of Optical Coherence Tomography to Non-Destructive Examination of Museum Objects. Studies in Conservation, 2004, 49, 107-114.	0.6	87
59	Real-time in vivo imaging by high-speed spectral optical coherence tomography. Optics Letters, 2003, 28, 1745.	1.7	323
60	Complex spectral OCT in human eye imaging in vivo. , 2003, 5140, 28.		5
61	Real-time in vivo ophthalmic imaging by ultrafast spectral optical coherence tomography. , 2003, 4956, 50.		6
62	Fourier domain OCT imaging of the human eye in vivo. , 2002, 4619, 230.		10
63	In vivo human retinal imaging by Fourier domain optical coherence tomography. Journal of Biomedical Optics, 2002, 7, 457.	1.4	1,014
64	First-order statistics of human stabilogram. Human Movement Science, 2001, 20, 853-866.	0.6	7
65	[6] Determination of ground-state dissociation constant by fluorescence spectroscopy. Methods in Enzymology, 1997, 278, 94-113.	0.4	4
66	Experimental Design in Global Compartmental Analysis of Reversible Intramolecular Two-State Excited-State Processes with Added Quencher. Journal of Physical Chemistry A, 1997, 101, 1993-2002.	1.1	4
67	Potential Miscalculation of the Ground-State Dissociation Constant from Fluorimetric Titrations: Application to the Ion Indicators SBFI, PBFI, and Fura-2. Analytical Biochemistry, 1997, 245, 28-37.	1.1	19
68	Identifiability of competitive intermolecular three-state excited-state processes. Chemical Physics Letters, 1996, 260, 326-330.	1.2	9
69	Identifiability of Irreversible Intermolecular Two-State Excited-State Processes. The Journal of Physical Chemistry, 1996, 100, 4879-4887.	2.9	14
70	Kinetics and Identifiability of an Intermolecular Two-State Excited-State Process in the Presence of a Fluorescent Impurity. The Journal of Physical Chemistry, 1995, 99, 17349-17353.	2.9	10
71	Experimental Design in the Global Compartmental Analysis of Intermolecular Two-State Excited-State Processes. The Journal of Physical Chemistry, 1994, 98, 9503-9508.	2.9	16
72	Determination of the Ground-State Dissociation Constant by Fluorometric Titration. The Journal of Physical Chemistry, 1994, 98, 8585-8590.	2.9	34

#	ARTICLE	IF	CITATIONS
73	Species-associated spectra and upper and lower bounds on the rate constants of reversible intramolecular two-state excited-state processes with added quencher. Global compartmental analysis of the fluorescence decay surface. <i>The Journal of Physical Chemistry</i> , 1993, 97, 11738-11753.	2.9	32
74	One-step parameter estimation of the acid-base equilibria in the ground and excited states of 2-naphthol by global compartmental analysis of the fluorescence decay surface. <i>Chemical Physics</i> , 1992, 166, 249-258.	0.9	30