Siavash Yazdanfar

List of Publications by Year
in descending order

70 papers	3,749 citations	186265 28 h-index	276875 41 g-index
70 all docs	70 docs citations	70 times ranked	2888 citing authors

#	Article	IF	Citations
1	Plasma membrane temperature gradients and multiple cell permeabilization induced by low peak power density femtosecond lasers. Biochemistry and Biophysics Reports, 2016, 5, 168-174.	1.3	11
2	Fluorescence phenomena in nerve-labeling styryl-type dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 316, 104-116.	3.9	2
3	Improved Intraoperative Visualization of Nerves through a Myelin-Binding Fluorophore and Dual-Mode Laparoscopic Imaging. PLoS ONE, 2015, 10, e0130276.	2.5	25
4	Detection of colorectal polyps in humans using an intravenously administered fluorescent peptide targeted against c-Met. Nature Medicine, 2015, 21, 955-961.	30.7	231
5	Quantitative determination of maximal imaging depth in all-NIR multiphoton microscopy images of thick tissues. Proceedings of SPIE, 2014, , .	0.8	1
6	A small animal Raman instrument for rapid, wide-area, spectroscopic imaging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12408-12413.	7.1	185
7	All-near-infrared multiphoton microscopy interrogates intact tissues at deeper imaging depths than conventional single- and two-photon near-infrared excitation microscopes. Journal of Biomedical Optics, 2013, 18, 106012.	2.6	22
8	Dual-mode laparoscopic fluorescence image-guided surgery using a single camera. Biomedical Optics Express, 2012, 3, 1880.	2.9	29
9	Compact fluorescence and white-light imaging system for intraoperative visualization of nerves. , 2012, 8207, .		7
10	A compact fluorescence and white light imaging system for intraoperative visualization of nerves. Proceedings of SPIE, 2012, , .	0.8	3
11	Intraoperative Fluorescence Imaging of Peripheral and Central Nerves Through a Myelin-Selective Contrast Agent. Molecular Imaging and Biology, 2012, 14, 708-717.	2.6	47
12	Fluorescence image guided surgical instruments and contrast agents for intraoperative visualization of nerves. , 2012, , .		0
13	Two-Photon Optical Properties of Near-Infrared Dyes at 1.55 Î¼m Excitation. Journal of Physical Chemistry B, 2011, 115, 11530-11535.	2.6	38
14	Multimodal nonlinear microscopy at 1.5 Ã‚Âµm. , 2010, , .		0
15	Preferential accumulation of 5-aminolevulinic acid-induced protoporphyrin IX in breast cancer: a comprehensive study on six breast cell lines with varying phenotypes. Journal of Biomedical Optics, 2010, 15, 018002.	2.6	36
16	Multiphoton microscopy with near infrared contrast agents. Journal of Biomedical Optics, 2010, 15, 030505.	2.6	28
17	Compact instrument for fluorescence image-guided surgery. Journal of Biomedical Optics, 2010, 15, 020509.	2.6	22
18	Autoconfocal transmission microscopy based on two-photon-induced photocurrent of Si photodiodes. Optics Letters, 2010, 35, 67.	3.3	5

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19	Whole-body, real-time preclinical imaging of quantum dot fluorescence with time-gated detection. Journal of Biomedical Optics, 2009, 14, 060504.	2.6	28
20	Ultrafast optical pulse delivery with fibers for nonlinear microscopy. Microscopy Research and Technique, 2008, 71, 887-896.	2.2	19
21	Simple and robust image-based autofocusing for digital microscopy. Optics Express, 2008, 16, 8670.	3.4	127
22	Intraoperative Near-Infrared Fluorescence Imaging. , 2007, , .		0
23	Multifunctional Imaging of Endogenous Contrast by Simultaneous Nonlinear and Optical Coherence Microscopy of Thick Tissues. Microscopy Research and Technique, 2007, 70, 628-633.	2.2	32
24	Wavelet and model-based spectral analysis of color doppler optical coherence tomography. Optics Communications, 2006, 263, 124-128.	2.1	4
25	Doppler flow imaging of cytoplasmic streaming using spectral domain phase microscopy. Journal of Biomedical Optics, 2006, 11, 024014.	2.6	55
26	Optical biopsy in high-speed handheld miniaturized multifocal multiphoton microscopy. , 2005, 5700, 14.		10
27	Frequency estimation precision in Doppler optical coherence tomography using the Cramer-Rao lower bound. Optics Express, 2005, 13, 410.	3.4	73
28	Phase-referenced Doppler optical coherence tomography in scattering media. Optics Letters, 2005, 30, 2125.	3.3	8
29	Interferometric second harmonic generation microscopy. Optics Express, 2004, 12, 2739.	3.4	62
30	Amplification of optical delay by use of matched linearly chirped fiber Bragg gratings. Optics Letters, 2004, 29, 685.	3.3	8
31	High-speed handheld multiphoton multifoci microscopy. , 2004, 5323, 267.		8
32	Molecular contrast in optical coherence tomography by use of a pumpâ€“probe technique. Optics Letters, 2003, 28, 340.	3.3	110
33	Electrostatic micromachine scanning mirror for optical coherence tomography. Optics Letters, 2003, 28, 628.	3.3	112
34	Scanning mirror for optical coherence tomography using an electrostatic MEMS actuator. , 2003, 4956, 139.		1
35	In Vivo Imaging of Human Retinal Flow Dynamics by Color Doppler Optical Coherence Tomography. JAMA Ophthalmology, 2003, 121, 235.	2.4	105
36	Fast-scanning dispersion-adjustable reference delay for OCT using fiber Bragg gratings. , 2003, , .		2

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37	Self-referenced Doppler optical coherence tomography. , 2003, 4956, 213.		0
38	Molecular contrast in optical coherence tomography using a pump-probe technique. , 2003, 4956, 1.		0
39	Wavelet and Eigenfrequency spectral analysis of color Doppler optical coherence tomography. , 2003, 4956, 329.		0
40	Molecular contrast in optical coherence tomography using a pump-probe technique and a optical switch suppression technique. , 2003, 5140, 95.		0
41	Real-time, high velocity-resolution color Doppler optical coherence tomography. Optics Letters, 2002, 27, 34.	3.3	134
42	Self-referenced Doppler optical coherence tomography. Optics Letters, 2002, 27, 2085.	3.3	16
43	Visualization of subsurface blood vessels by color Doppler optical coherence tomography in rats: before and after hemostatic therapy. Gastrointestinal Endoscopy, 2002, 55, 88-95.	1.0	42
44	Real-time in vivo color Doppler optical coherence tomography. Journal of Biomedical Optics, 2002, 7, 123.	2.6	87
45	Simplified method for polarization-sensitive optical coherence tomography. Optics Letters, 2001, 26, 1069.	3.3	85
46	Ultrahigh-velocity resolution imaging of the microcirculation in-vivo using color Doppler optical coherence tomography. , 2001, 4251, 156.		13
47	Optical-thermal model verification by high-speed optical coherence tomography. , 2001, , .		1
48	Real-time high-velocity resolution color Doppler OCT. , 2001, 4251, 188.		1
49	Simplified technique for polarization-sensitive optical coherence tomography. , 2001, , .		0
50	Photothermal coagulation of blood vessels: a comparison of high-speed optical coherence tomography and numerical modelling. Physics in Medicine and Biology, 2001, 46, 1665-1678.	3.0	73
51	System Integration and Signal/Image Processing. , 2001, , 143-174.		2
52	Doppler Optical Coherence Tomography. , 2001, , 203-236.		1
53	In-vivo imaging of blood flow dynamics using color Doppler optical coherence tomography. , 2000, 3915, 106.		1
54	Imaging and velocimetry of the human retinal circulation with color Doppler optical coherence tomography. Optics Letters, 2000, 25, 1448.	3.3	215

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55	Imaging of human retinal flow dynamics using color Doppler optical coherence tomography. , 2000, , .		0
56	Three-Dimensional Reconstruction of Blood Vessels from in vivo Color Doppler Optical Coherence Tomography Images. Dermatology, 1999, 198, 355-361.	2.1	63
57	High-flow-velocity and shear-rate imaging by use of color Doppler optical coherence tomography. Optics Letters, 1999, 24, 1584.	3.3	67
58	<title>Real-time color Doppler optical coherence tomography using an autocorrelation technique</title>. , 1999, 3598, 168.		8
59	<title>In-vivo imaging of blood flow in human retinal vessels using color Doppler optical coherence tomography</title>. , 1999, , .		7
60	In Vivo Human Retinal Blood Flow Imaging using Color Doppler Optical Coherence Tomography. , 1999, , .		0
61	Adaptive STFT filtering to increase SNR in Color Doppler Optical Coherence Tomography. , 1999, , .		0
62	Velocity-estimation accuracy and frame-rate limitations in color Doppler optical coherence tomography. Optics Letters, 1998, 23, 1057.	3.3	101
63	In vivo video rate optical coherence tomography. Optics Express, 1998, 3, 219.	3.4	480
64	<title>Coherent signal analysis in color Doppler optical coherence tomography</title>. , 1998, 3251, 22.		0
65	<title>Diagnostic blood-flow monitoring during therapeutic interventions using color Doppler optical coherence tomography</title>. , 1998, 3251, 126.		1
66	High resolution imaging of in vivo cardiac dynamics using color Doppler optical coherence tomography. , 1998, , .		2
67	High Flow Velocity Imaging using Color Doppler Optical Coherence Tomography. , 1998, , .		0
68	Velocity Estimation Accuracy in Color Doppler Optical Coherence Tomography. , 1998, , .		0
69	In vivo bidirectional color Doppler flow imaging of picoliter blood volumes using optical coherence tomography. Optics Letters, 1997, 22, 1439.	3.3	688
70	High resolution imaging of in vivo cardiac dynamics using color Doppler optical coherence tomography. Optics Express, 1997, 1, 424.	3.4	205