

Siavash Yazdanfar

List of Publications by Year in descending order

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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	In vivo bidirectional color Doppler flow imaging of picoliter blood volumes using optical coherence tomography. Optics Letters, 1997, 22, 1439.	3.3	688
2	In vivo video rate optical coherence tomography. Optics Express, 1998, 3, 219.	3.4	480
3	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
4	Imaging and velocimetry of the human retinal circulation with color Doppler optical coherence tomography. Optics Letters, 2000, 25, 1448.	3.3	215
5	High resolution imaging of in vivo cardiac dynamics using color Doppler optical coherence tomography. Optics Express, 1997, 1, 424.	3.4	205
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	Real-time, high velocity-resolution color Doppler optical coherence tomography. Optics Letters, 2002, 27, 34.	3.3	134
8	Simple and robust image-based autofocusing for digital microscopy. Optics Express, 2008, 16, 8670.	3.4	127
9	Electrostatic micromachine scanning mirror for optical coherence tomography. Optics Letters, 2003, 28, 628.	3.3	112
10	Molecular contrast in optical coherence tomography by use of a pump-probe technique. Optics Letters, 2003, 28, 340.	3.3	110
11	In Vivo Imaging of Human Retinal Flow Dynamics by Color Doppler Optical Coherence Tomography. JAMA Ophthalmology, 2003, 121, 235.	2.4	105
12	Velocity-estimation accuracy and frame-rate limitations in color Doppler optical coherence tomography. Optics Letters, 1998, 23, 1057.	3.3	101
13	Real-time in vivo color Doppler optical coherence tomography. Journal of Biomedical Optics, 2002, 7, 123.	2.6	87
14	Simplified method for polarization-sensitive optical coherence tomography. Optics Letters, 2001, 26, 1069.	3.3	85
15	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
16	Frequency estimation precision in Doppler optical coherence tomography using the Cramer-Rao lower bound. Optics Express, 2005, 13, 410.	3.4	73
17	High-flow-velocity and shear-rate imaging by use of color Doppler optical coherence tomography. Optics Letters, 1999, 24, 1584.	3.3	67
18	Three-Dimensional Reconstruction of Blood Vessels from in vivo Color Doppler Optical Coherence Tomography Images. Dermatology, 1999, 198, 355-361.	2.1	63

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19	Interferometric second harmonic generation microscopy. <i>Optics Express</i> , 2004, 12, 2739.	3.4	62
20	Doppler flow imaging of cytoplasmic streaming using spectral domain phase microscopy. <i>Journal of Biomedical Optics</i> , 2006, 11, 024014.	2.6	55
21	Intraoperative Fluorescence Imaging of Peripheral and Central Nerves Through a Myelin-Selective Contrast Agent. <i>Molecular Imaging and Biology</i> , 2012, 14, 708-717.	2.6	47
22	Visualization of subsurface blood vessels by color Doppler optical coherence tomography in rats: before and after hemostatic therapy. <i>Gastrointestinal Endoscopy</i> , 2002, 55, 88-95.	1.0	42
23	Two-Photon Optical Properties of Near-Infrared Dyes at 1.55 μ m Excitation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11530-11535.	2.6	38
24	Preferential accumulation of 5-aminolevulinic acid-induced protoporphyrin IX in breast cancer: a comprehensive study on six breast cell lines with varying phenotypes. <i>Journal of Biomedical Optics</i> , 2010, 15, 018002.	2.6	36
25	Multifunctional Imaging of Endogenous Contrast by Simultaneous Nonlinear and Optical Coherence Microscopy of Thick Tissues. <i>Microscopy Research and Technique</i> , 2007, 70, 628-633.	2.2	32
26	Dual-mode laparoscopic fluorescence image-guided surgery using a single camera. <i>Biomedical Optics Express</i> , 2012, 3, 1880.	2.9	29
27	Whole-body, real-time preclinical imaging of quantum dot fluorescence with time-gated detection. <i>Journal of Biomedical Optics</i> , 2009, 14, 060504.	2.6	28
28	Multiphoton microscopy with near infrared contrast agents. <i>Journal of Biomedical Optics</i> , 2010, 15, 030505.	2.6	28
29	Improved Intraoperative Visualization of Nerves through a Myelin-Binding Fluorophore and Dual-Mode Laparoscopic Imaging. <i>PLoS ONE</i> , 2015, 10, e0130276.	2.5	25
30	Compact instrument for fluorescence image-guided surgery. <i>Journal of Biomedical Optics</i> , 2010, 15, 020509.	2.6	22
31	All-near-infrared multiphoton microscopy interrogates intact tissues at deeper imaging depths than conventional single- and two-photon near-infrared excitation microscopes. <i>Journal of Biomedical Optics</i> , 2013, 18, 106012.	2.6	22
32	Ultrafast optical pulse delivery with fibers for nonlinear microscopy. <i>Microscopy Research and Technique</i> , 2008, 71, 887-896.	2.2	19
33	Self-referenced Doppler optical coherence tomography. <i>Optics Letters</i> , 2002, 27, 2085.	3.3	16
34	Ultrahigh-velocity resolution imaging of the microcirculation in-vivo using color Doppler optical coherence tomography. , 2001, 4251, 156.		13
35	Plasma membrane temperature gradients and multiple cell permeabilization induced by low peak power density femtosecond lasers. <i>Biochemistry and Biophysics Reports</i> , 2016, 5, 168-174.	1.3	11
36	Optical biopsy in high-speed handheld miniaturized multifocal multiphoton microscopy. , 2005, 5700, 14.		10

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37	<title>Real-time color Doppler optical coherence tomography using an autocorrelation technique</title>. , 1999, 3598, 168.		8
38	Amplification of optical delay by use of matched linearly chirped fiber Bragg gratings. Optics Letters, 2004, 29, 685.	3.3	8
39	High-speed handheld multiphoton multifoci microscopy. , 2004, 5323, 267.		8
40	Phase-referenced Doppler optical coherence tomography in scattering media. Optics Letters, 2005, 30, 2125.	3.3	8
41	<title>In-vivo imaging of blood flow in human retinal vessels using color Doppler optical coherence tomography</title>. , 1999, , .		7
42	Compact fluorescence and white-light imaging system for intraoperative visualization of nerves. , 2012, 8207, .		7
43	Autoconfocal transmission microscopy based on two-photon-induced photocurrent of Si photodiodes. Optics Letters, 2010, 35, 67.	3.3	5
44	Wavelet and model-based spectral analysis of color doppler optical coherence tomography. Optics Communications, 2006, 263, 124-128.	2.1	4
45	A compact fluorescence and white light imaging system for intraoperative visualization of nerves. Proceedings of SPIE, 2012, , .	0.8	3
46	Fast-scanning dispersion-adjustable reference delay for OCT using fiber Bragg gratings. , 2003, , .		2
47	Fluorescence phenomena in nerve-labeling styryl-type dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 316, 104-116.	3.9	2
48	System Integration and Signal/Image Processing. , 2001, , 143-174.		2
49	High resolution imaging of in vivo cardiac dynamics using color Doppler optical coherence tomography. , 1998, , .		2
50	<title>Diagnostic blood-flow monitoring during therapeutic interventions using color Doppler optical coherence tomography</title>. , 1998, 3251, 126.		1
51	In-vivo imaging of blood flow dynamics using color Doppler optical coherence tomography. , 2000, 3915, 106.		1
52	Optical-thermal model verification by high-speed optical coherence tomography. , 2001, , .		1
53	Real-time high-velocity resolution color Doppler OCT. , 2001, 4251, 188.		1
54	Scanning mirror for optical coherence tomography using an electrostatic MEMS actuator. , 2003, 4956, 139.		1

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55	Quantitative determination of maximal imaging depth in all-NIR multiphoton microscopy images of thick tissues. Proceedings of SPIE, 2014, , .	0.8	1
56	Doppler Optical Coherence Tomography. , 2001, , 203-236.		1
57	<title>Coherent signal analysis in color Doppler optical coherence tomography</title>. , 1998, 3251, 22.		0
58	Simplified technique for polarization-sensitive optical coherence tomography. , 2001, , .		0
59	Self-referenced Doppler optical coherence tomography. , 2003, 4956, 213.		0
60	Molecular contrast in optical coherence tomography using a pump-probe technique. , 2003, 4956, 1.		0
61	Wavelet and Eigenfrequency spectral analysis of color Doppler optical coherence tomography. , 2003, 4956, 329.		0
62	Molecular contrast in optical coherence tomography using a pump-probe technique and a optical switch suppression technique. , 2003, 5140, 95.		0
63	Intraoperative Near-Infrared Fluorescence Imaging. , 2007, , .		0
64	Multimodal nonlinear microscopy at 1.5 Å,Åµm. , 2010, , .		0
65	Imaging of human retinal flow dynamics using color Doppler optical coherence tomography. , 2000, , .		0
66	Fluorescence image guided surgical instruments and contrast agents for intraoperative visualization of nerves. , 2012, , .		0
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 Human Retinal Blood Flow Imaging using Color Doppler Optical Coherence Tomography. , 1999, , .		0
70	Adaptive STFT filtering to increase SNR in Color Doppler Optical Coherence Tomography. , 1999, , .		0