

# Shuo Tang

## List of Publications by Year in descending order

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45  
papers

1,070  
citations

430874

18  
h-index

414414

32  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronized chaotic optical communications at high bit rates. IEEE Journal of Quantum Electronics, 2002, 38, 1184-1196.	1.9	135
2	Advanced multi-contrast Jones matrix optical coherence tomography for Doppler and polarization sensitive imaging. Optics Express, 2013, 21, 19412.	3.4	108
3	Design and implementation of fiber-based multiphoton endoscopy with microelectromechanical systems scanning. Journal of Biomedical Optics, 2009, 14, 034005.	2.6	98
4	Combined multiphoton microscopy and optical coherence tomography using a 12-fs broadband source. Journal of Biomedical Optics, 2006, 11, 020502.	2.6	60
5	Perfectly registered multiphoton and reflectance confocal video rate imaging of <i>in vivo</i> human skin. Journal of Biophotonics, 2013, 6, 305-309.	2.3	57
6	Synchronization properties of two self-oscillating semiconductor lasers subject to delayed optoelectronic mutual coupling. Physical Review E, 2006, 73, 047201.	2.1	46
7	Nonlinear Dynamics of Semiconductor Lasers With Mutual Optoelectronic Coupling. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 936-943.	2.9	43
8	Imaging subcellular scattering contrast by using combined optical coherence and multiphoton microscopy. Optics Letters, 2007, 32, 503.	3.3	43
9	High-speed spectral domain optical coherence tomography using non-uniform fast Fourier transform. Biomedical Optics Express, 2010, 1, 1309.	2.9	43
10	Characterizing refractive index and thickness of biological tissues using combined multiphoton microscopy and optical coherence tomography. Biomedical Optics Express, 2013, 4, 38.	2.9	43
11	In vivo video rate multiphoton microscopy imaging of human skin. Optics Letters, 2011, 36, 2865.	3.3	35
12	Multiscale multimodal imaging with multiphoton microscopy and optical coherence tomography. Optics Letters, 2011, 36, 4800.	3.3	33
13	Tri-modal microscopy with multiphoton and optical coherence microscopy/tomography for multi-scale and multi-contrast imaging. Biomedical Optics Express, 2013, 4, 1584.	2.9	30
14	Effects of message encoding and decoding on synchronized chaotic optical communications. IEEE Journal of Quantum Electronics, 2003, 39, 1468-1474.	1.9	25
15	Multimodal optical imaging with multiphoton microscopy and optical coherence tomography. Journal of Biophotonics, 2012, 5, 396-403.	2.3	23
16	Miniature fiber-optic multiphoton microscopy system using frequency-doubled femtosecond Er-doped fiber laser. Biomedical Optics Express, 2016, 7, 1948.	2.9	23
17	Dynamics of semiconductor lasers with bidirectional optoelectronic coupling: Stability, route to chaos, and entrainment. Physical Review E, 2004, 70, 046216.	2.1	21
18	Cornea characterization using a combined multiphoton microscopy and optical coherence tomography system. Biomedical Optics Express, 2014, 5, 1494.	2.9	20

#	ARTICLE	IF	CITATIONS
19	Miniaturized multimodal multiphoton microscope for simultaneous two-photon and three-photon imaging with a dual-wavelength Er-doped fiber laser. Biomedical Optics Express, 2020, 11, 624.	2.9	18
20	Detecting human articular cartilage degeneration in its early stage with polarization-sensitive optical coherence tomography. Biomedical Optics Express, 2020, 11, 2745.	2.9	18
21	Photoacoustic tomography for imaging the prostate: a transurethral illumination probe design and application. Biomedical Optics Express, 2019, 10, 2588.	2.9	16
22	Design of a fiber-optic multiphoton microscopy handheld probe. Biomedical Optics Express, 2016, 7, 3425.	2.9	15
23	Investigating the depolarization property of skin tissue by degree of polarization uniformity contrast using polarization-sensitive optical coherence tomography. Biomedical Optics Express, 2021, 12, 5073.	2.9	15
24	Three-dimensional volumetric human meibomian gland investigation using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2014, 19, 030503.	2.6	13
25	Selection of convolution kernel in non-uniform fast Fourier transform for Fourier domain optical coherence tomography. Optics Express, 2011, 19, 26891.	3.4	12
26	Imaging-guided two-photon excitation-emission-matrix measurements of human skin tissues. Journal of Biomedical Optics, 2012, 17, 0770041.	2.6	11
27	Slope-based segmentation of articular cartilage using polarization-sensitive optical coherence tomography phase retardation image. Journal of Biomedical Optics, 2019, 24, 1.	2.6	11
28	Optimization of frequency-doubled Er-doped fiber laser for miniature multiphoton endoscopy. Journal of Biomedical Optics, 2018, 23, 1.	2.6	10
29	Chaotic communications using synchronized semiconductor lasers with optoelectronic feedback. Comptes Rendus Physique, 2004, 5, 657-668.	0.9	9
30	Usage of polarization-sensitive optical coherence tomography for investigation of collagen cross-linking. Journal of Biomedical Optics, 2015, 20, 046001.	2.6	9
31	Investigation of photoacoustic tomography reconstruction with a limited view from linear array. Journal of Biomedical Optics, 2021, 26, .	2.6	6
32	Dual-wavelength multimodal multiphoton microscope with SMA-based depth scanning. Biomedical Optics Express, 2022, 13, 2754.	2.9	6
33	Application of Polarization Sensitive-Optical Coherence Tomography to the Assessment of Phase Retardation in Subpleural Cancer in Rabbits. Tissue Engineering and Regenerative Medicine, 2021, 18, 61-69.	3.7	5
34	Corneal imaging and refractive index measurement using a combined multiphoton microscopy and optical coherence tomography system. , 2013, , .		2
35	Correlation between polarization sensitive optical coherence tomography and SHG microscopy in articular cartilage. Proceedings of SPIE, 2017, , .	0.8	2
36	Performance of Synchronized Chaotic Optical Communication Systems. , 2006, , 341-378.		2

#	ARTICLE	IF	CITATIONS
37	Dynamics and Synchronization of Semiconductor Lasers for Chaotic Optical Communications. , 2006, , 285-340.		2
38	Investigation of the Clinical Potential of Polarization-Sensitive Optical Coherence Tomography in a Laryngeal Tumor Model. Tissue Engineering and Regenerative Medicine, 2021, 18, 81-87.	3.7	1
39	Multimodal imaging with optical coherence tomography and multiphoton microscopy of human hip joint osteoarthritis. , 2019, , .		1
40	Experimental Investigation on the Effect of Message Encoding in Chaotic Optical Communication. AIP Conference Proceedings, 2003, , .	0.4	0
41	Multimodal Optical Tissue Imaging. , 2012, , .		0
42	Phase matching of backward second harmonic generation assisted by lattice structure in collagen tissues. Journal of Biomedical Optics, 2015, 20, 105011.	2.6	0
43	Second Harmonic OCT and Combined MPM/OCT. , 2015, , 1489-1514.		0
44	Investigation in clinical potential of polarization sensitive optical coherence tomography in laryngeal tumor model study. , 2018, , .		0
45	Polarization-Sensitive Optical Coherence Tomography for Tissue Imaging. , 2021, , .		0