

Jin U Kang

List of Publications by Year in descending order

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184
papers

4,067
citations

109311

35
h-index

133244

59
g-index

185
all docs

185
docs citations

185
times ranked

3461
citing authors

#	ARTICLE	IF	CITATIONS
1	Norepinephrine Controls Astroglial Responsiveness to Local Circuit Activity. <i>Neuron</i> , 2014, 82, 1263-1270.	8.1	469
2	Sagnac loop interferometer based on polarization maintaining photonic crystal fiber with reduced temperature sensitivity. <i>Optics Express</i> , 2004, 12, 4490.	3.4	254
3	A sub-millimetric, 0.25 mN resolution fully integrated fiber-optic force-sensing tool for retinal microsurgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009, 4, 383-390.	2.8	158
4	Real-time 4D signal processing and visualization using graphics processing unit on a regular nonlinear-k Fourier-domain OCT system. <i>Optics Express</i> , 2010, 18, 11772.	3.4	148
5	C-band wavelength-swept single-longitudinalmode erbium-doped fiber ring laser. <i>Optics Express</i> , 2008, 16, 14173.	3.4	126
6	<i>In vivo</i> visualization of prostate brachytherapy seeds with photoacoustic imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 126011.	2.6	96
7	Graphics processing unit accelerated non-uniform fast Fourier transform for ultrahigh-speed, real-time Fourier-domain OCT. <i>Optics Express</i> , 2010, 18, 23472.	3.4	91
8	Miniature fiber-optic force sensor based on low-coherence Fabry-Pérot interferometry for vitreoretinal microsurgery. <i>Biomedical Optics Express</i> , 2012, 3, 1062.	2.9	91
9	Pixelation effect removal from fiber bundle probe based optical coherence tomography imaging. <i>Optics Express</i> , 2010, 18, 7427.	3.4	87
10	Backward second-harmonic generation in periodically poled bulk LiNbO ₃ . <i>Optics Letters</i> , 1997, 22, 862.	3.3	86
11	Compressive SD-OCT: the application of compressed sensing in spectral domain optical coherence tomography. <i>Optics Express</i> , 2010, 18, 22010.	3.4	84
12	Real-time intraoperative 4D full-range FD-OCT based on the dual graphics processing units architecture for microsurgery guidance. <i>Biomedical Optics Express</i> , 2011, 2, 764.	2.9	80
13	Tunable multi-wavelength all-fiber Raman source using fiber Sagnac loop filter. <i>Optics Communications</i> , 2003, 218, 291-295.	2.1	78
14	High-performance photonic analogue-digital converter. <i>Electronics Letters</i> , 1997, 33, 2096.	1.0	71
15	Active tremor cancellation by a "Smart" handheld vitreoretinal microsurgical tool using swept source optical coherence tomography. <i>Optics Express</i> , 2012, 20, 23414.	3.4	71
16	Limitation due to three-photon absorption on the useful spectral range for nonlinear optics in AlGaAs below half band gap. <i>Applied Physics Letters</i> , 1994, 65, 147-149.	3.3	68
17	Fiber-optic OCT sensor guided "SMART" micro-forceps for microsurgery. <i>Biomedical Optics Express</i> , 2013, 4, 1045.	2.9	67
18	Backward second-harmonic generation in periodically poled lithium niobate. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 1561.	2.1	62

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19	A Surface Topology and Motion Compensation System for Microsurgery Guidance and Intervention Based on Common-Path Optical Coherence Tomography. IEEE Transactions on Biomedical Engineering, 2009, 56, 2318-2321.	4.2	60
20	Distortion-free freehand-scanning OCT implemented with real-time scanning speed variance correction. Optics Express, 2012, 20, 16567.	3.4	57
21	Endoscopic Functional Fourier Domain Common-Path Optical Coherence Tomography for Microsurgery. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 781-792.	2.9	56
22	Real-time 3D and 4D Fourier domain Doppler optical coherence tomography based on dual graphics processing units. Biomedical Optics Express, 2012, 3, 2162.	2.9	56
23	Multiwavelength switching of Raman fiber ring laser incorporating composite polarization-maintaining fiber Lyot-Sagnac filter. Applied Optics, 2004, 43, 3151.	2.1	55
24	Electro-optic wavelength-tunable fiber ring laser based on cascaded composite Sagnac loop filters. Optics Letters, 2004, 29, 1677.	3.3	53
25	Towards automatic calibration of Fourier-Domain OCT for robot-assisted vitreoretinal surgery. Optics Express, 2010, 18, 24331.	3.4	51
26	Common-path optical coherence tomography with side-viewing bare fiber probe for endoscopic optical coherence tomography. Review of Scientific Instruments, 2007, 78, 113102.	1.3	45
27	Real-time three-dimensional Fourier-domain optical coherence tomography video image guided microsurgeries. Journal of Biomedical Optics, 2012, 17, 081403.	2.6	44
28	Modified compressive sensing optical coherence tomography with noise reduction. Optics Letters, 2012, 37, 4209.	3.3	44
29	Motion-compensated hand-held common-path Fourier-domain optical coherence tomography probe for image-guided intervention. Biomedical Optics Express, 2012, 3, 3105.	2.9	43
30	Transcranial Recording of Electrophysiological Neural Activity in the Rodent Brain in vivo Using Functional Photoacoustic Imaging of Near-Infrared Voltage-Sensitive Dye. Frontiers in Neuroscience, 2019, 13, 579.	2.8	40
31	Grating sensor array demodulation by use of a passively mode-locked fiber laser. Optics Letters, 1997, 22, 1362.	3.3	39
32	Ultrabroad-bandwidth electro-optic modulator based on a cascaded Bragg grating. Optics Letters, 2000, 25, 70.	3.3	39
33	Listening to membrane potential: photoacoustic voltage-sensitive dye recording. Journal of Biomedical Optics, 2017, 22, 045006.	2.6	38
34	Broadband quasi-stationary pulses in mode-locked fiber ring laser. Optics Communications, 2000, 182, 433-436.	2.1	37
35	Quantitative transverse flow measurement using optical coherence tomography speckle decorrelation analysis. Optics Letters, 2013, 38, 805.	3.3	37
36	Real-time compressive sensing spectral domain optical coherence tomography. Optics Letters, 2014, 39, 76.	3.3	37

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37	Spectroscopic-speckle variance OCT for microvasculature detection and analysis. Biomedical Optics Express, 2011, 2, 2995.	2.9	35
38	A FORCE-SENSING MICROSURGICAL INSTRUMENT THAT DETECTS FORCES BELOW HUMAN TACTILE SENSATION. Retina, 2013, 33, 200-206.	1.7	35
39	Force sensing micro-forceps with integrated fiber Bragg grating for vitreoretinal surgery. Proceedings of SPIE, 2012, , .	0.8	34
40	Common-path Optical Coherence Tomography for Biomedical Imaging and Sensing. Journal of the Optical Society of Korea, 2010, 14, 1-13.	0.6	32
41	Sapphire ball lens-based fiber probe for common-path optical coherence tomography and its applications in corneal and retinal imaging. Optics Letters, 2012, 37, 4835.	3.3	32
42	GPU-accelerated non-uniform fast Fourier transform-based compressive sensing spectral domain optical coherence tomography. Optics Express, 2014, 22, 14871.	3.4	31
43	Accurate real-time depth control for CP-SSOCT distal sensor based handheld microsurgery tools. Biomedical Optics Express, 2015, 6, 1942.	2.9	31
44	Demonstration of microwave frequency shifting by use of a highly chirped mode-locked fiber laser. Optics Letters, 1998, 23, 1188.	3.3	30
45	Small Infrared Target Detection Based on Fast Adaptive Masking and Scaling With Iterative Segmentation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	30
46	Real-time photoacoustic imaging of prostate brachytherapy seeds using a clinical ultrasound system. Journal of Biomedical Optics, 2012, 17, 066005.	2.6	29
47	Signal-to-noise ratio analysis of all-fiber common-path optical coherence tomography. Applied Optics, 2008, 47, 4833.	2.1	27
48	Graphics Processing Unit-Based Ultrahigh Speed Real-Time Fourier Domain Optical Coherence Tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1270-1279.	2.9	27
49	Dark-field illuminated reflectance fiber bundle endoscopic microscope. Journal of Biomedical Optics, 2011, 16, 1.	2.6	26
50	Effect of multimodal coupling in imaging micro-endoscopic fiber bundle on optical coherence tomography. Applied Physics B: Lasers and Optics, 2012, 106, 635-643.	2.2	26
51	Random transverse motion-induced spatial compounding for fiber bundle imaging. Optics Letters, 2014, 39, 4368.	3.3	24
52	Robotic Retinal Surgery. , 2020, , 627-672.		24
53	Microvascular anastomosis guidance and evaluation using real-time three-dimensional Fourier-domain Doppler optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 1.	2.6	23
54	Demonstration of supercontinuum generation in a long-cavity fiber ring laser. Optics Letters, 1998, 23, 1375.	3.3	20

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55	Compressive sensing with dispersion compensation on non-linear wavenumber sampled spectral domain optical coherence tomography. <i>Biomedical Optics Express</i> , 2013, 4, 1519.	2.9	18
56	Demonstration of Subretinal Injection Using Common-Path Swept Source OCT Guided Microinjector. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1287.	2.5	18
57	MEMS-Based Handheld Fourier Domain Doppler Optical Coherence Tomography for Intraoperative Microvascular Anastomosis Imaging. <i>PLoS ONE</i> , 2014, 9, e114215.	2.5	18
58	Common-path low-coherence interferometry fiber-optic sensor guided microincision. <i>Journal of Biomedical Optics</i> , 2011, 16, 095003.	2.6	17
59	Volumetric (3D) compressive sensing spectral domain optical coherence tomography. <i>Biomedical Optics Express</i> , 2014, 5, 3921.	2.9	17
60	Voltage-sensitive dye delivery through the blood brain barrier using adenosine receptor agonist regadenoson. <i>Biomedical Optics Express</i> , 2018, 9, 3915.	2.9	17
61	AlGaAs below half bandgap: a laboratory for spatial soliton physics. <i>Journal of Optics</i> , 1996, 5, 583-594.	0.5	15
62	Fiber optic confocal laser Doppler velocimeter using an all-fiber laser source for high resolution measurements. <i>Optics Express</i> , 2005, 13, 6250.	3.4	15
63	Depth-Resolved Blood Oxygen Saturation Assessment Using Spectroscopic Common-Path Fourier Domain Optical Coherence Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 2572-2575.	4.2	15
64	Robot-assisted three-dimensional registration for cochlear implant surgery using a common-path swept-source optical coherence tomography probe. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	2.6	15
65	Multispectral tissue characterization for intestinal anastomosis optimization. <i>Journal of Biomedical Optics</i> , 2015, 20, 106001.	2.6	14
66	Motorized Microforceps With Active Motion Guidance Based on Common-Path SSOCT for Epiretinal Membranectomy. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 2440-2448.	5.8	14
67	Demonstration of a laparoscopic structured-illumination three-dimensional imaging system for guiding reconstructive bowel anastomosis. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	14
68	Optimization of an angled fiber probe for common-path optical coherence tomography. <i>Optics Letters</i> , 2013, 38, 2660.	3.3	13
69	Optical coherence tomography scanning with a handheld vitreoretinal micromanipulator. , 2012, 2012, 948-51.		12
70	Robust spectral-domain optical coherence tomography speckle model and its cross-correlation coefficient analysis. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 51.	1.5	12
71	Protective Effects of Soluble Collagen during Ultraviolet-A Crosslinking on Enzyme-Mediated Corneal Ectatic Models. <i>PLoS ONE</i> , 2015, 10, e0136999.	2.5	11
72	Phase and Polarization Diversity for Minimum MAI in OCDMA Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 1386-1395.	2.9	10

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73	Demonstration of Optical Coherence Tomography Guided Big Bubble Technique for Deep Anterior Lamellar Keratoplasty (DALK). <i>Sensors</i> , 2020, 20, 428.	3.8	10
74	Spatial soliton robustness against spatially anisotropic phase perturbations. <i>Applied Physics Letters</i> , 1997, 70, 1363-1365.	3.3	9
75	Extravascular Optical Coherence Tomography. <i>Stroke</i> , 2014, 45, 1123-1130.	2.0	9
76	Observation of backward sum-frequency generation in periodically-poled lithium niobate. <i>Optics Communications</i> , 1998, 155, 323-326.	2.1	8
77	Real-time dispersion-compensated image reconstruction for compressive sensing spectral domain optical coherence tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 2064.	1.5	8
78	Evaluation of Microvascular Anastomosis Using Real-Time, Ultra-High-Resolution, Fourier Domain Doppler Optical Coherence Tomography. <i>Plastic and Reconstructive Surgery</i> , 2015, 135, 711e-720e.	1.4	8
79	Feasibility study: protein denaturation and coagulation monitoring with speckle variance optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2016, 21, 125004.	2.6	8
80	Experimental assessment of a 3-D plenoptic endoscopic imaging system. <i>Chinese Optics Letters</i> , 2017, 15, 051701-51705.	2.9	8
81	Cascaded Raman self-frequency shifted soliton generation in an Er/Yb-doped fiber amplifier. <i>Applied Physics Letters</i> , 2002, 81, 2695-2697.	3.3	7
82	Fiberoptic Confocal Microscopy Using a 1.55- μm Fiber Laser for Multimodal Biophotonics Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 82-87.	2.9	7
83	Improvement of optical coherence tomography using active handheld micromanipulator in vitreoretinal surgery. , 2013, 2013, 5674-7.		7
84	Intraoperative Speckle Variance Optical Coherence Tomography for Tissue Temperature Monitoring During Cutaneous Laser Therapy. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2019, 7, 1-8.	3.7	7
85	Analysis and evaluation of BC-mode OCT image visualization for microsurgery guidance. <i>Biomedical Optics Express</i> , 2019, 10, 5268.	2.9	7
86	Two-photon transitions between bound-to-continuum states in AlGaAs/GaAs multiple quantum well. <i>Applied Physics Letters</i> , 1998, 73, 3638-3640.	3.3	6
87	Phase and polarization diversity for OCDMA. , 2006, , .		6
88	Noncontact common-path Fourier domain optical coherence tomography method for in vitro intraocular lens power measurement. <i>Journal of Biomedical Optics</i> , 2011, 16, 126005.	2.6	6
89	Sparse OCT: optimizing compressed sensing in spectral domain optical coherence tomography. <i>Proceedings of SPIE</i> , 2011, 7904, .	0.8	6
90	Swept source optical coherence tomography based smart handheld vitreoretinal microsurgical tool for tremor suppression. , 2012, 2012, 1405-8.		6

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91	Ball lens fiber optic sensor based smart handheld microsurgical instrument. , 2013, 8576, .		6
92	Evaluation of virtual fixtures for robot-assisted cochlear implant insertion. , 2014, , .		6
93	Real-time, functional intra-operative localization of rat cavernous nerve network using near-infrared cyanine voltage-sensitive dye imaging. Scientific Reports, 2020, 10, 6618.	3.3	6
94	CNN-based CP-OCT sensor integrated with a subretinal injector for retinal boundary tracking and injection guidance. Journal of Biomedical Optics, 2021, 26, .	2.6	6
95	Selective retina therapy monitoring by speckle variance optical coherence tomography for dosimetry control. Journal of Biomedical Optics, 2020, 25, 1.	2.6	6
96	A three-step reconstruction method for fluorescence molecular tomography based on compressive sensing. , 2017, 10059, .		5
97	Real-Time Intraoperative Surgical Guidance System in the da Vinci Surgical Robot Based on Transrectal Ultrasound/Photoacoustic Imaging With Photoacoustic Markers: An <i>Ex Vivo</i> Demonstration. IEEE Robotics and Automation Letters, 2023, 8, 1287-1294.	5.1	5
98	Group velocity modified Ti-diffused LiNbO ₃ waveguides with dual Bragg gratings. Electronics Letters, 2002, 38, 1049.	1.0	4
99	Linewidth Broadening in Single-Mode Sub-kHz Fiber Ring Laser with Unpumped Er-doped Sagnac Loop. , 2007, , .		4
100	Fourier Domain Common-Path Fiber OCT with Tunable Reference: Analysis and Optimization. , 2007, , .		4
101	Progress toward inexpensive endoscopic high-resolution common-path OCT. , 2010, , .		4
102	Real-time intraoperative full-range complex FD-OCT guided cerebral blood vessel identification and brain tumor resection in neurosurgery. Proceedings of SPIE, 2011, , .	0.8	4
103	Automatic online spectral calibration of Fourier-domain OCT for robotic surgery. , 2011, 7890, .		4
104	An average enumeration method of hyperspectral imaging data for quantitative evaluation of medical device surface contamination. Biomedical Optics Express, 2014, 5, 3613.	2.9	4
105	Common-path all-fiber optical coherence tomography probe based on high-index elliptical epoxy-lensed fiber. Optical Engineering, 2019, 58, 1.	1.0	4
106	3-D endoscopic imaging using plenoptic camera. , 2016, 2016, .		4
107	Overcoming the Force Limitations of Magnetic Robotic Surgery: Magnetic Pulse Actuated Collisions for Tissue- <i>Penetrating</i> Needle for Tetherless Interventions. Advanced Intelligent Systems, 2022, 4, .	6.1	4
108	High Spectral Efficiency Phase Diversity Coherent Optical CDMA with low MAI. , 2007, , .		3

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109	Fiber-optic Fourier-Domain Common-Path OCT. , 2008, , .		3
110	Assessment of robust reconstruction algorithms for compressive sensing spectral-domain optical coherence tomography. Proceedings of SPIE, 2013, , .	0.8	3
111	Temperature independent birefringence in polarization maintaining photonic crystal fiber. , 2007, , .		2
112	A Fiber-Optic Nerve Stimulation Probe Integrated with a Precise Common-Path Optical Coherence Tomography Distance Sensor. , 2010, , .		2
113	A common-path optical coherence tomography distance-sensor based surface tracking and motion compensation hand-held microsurgical tool. Proceedings of SPIE, 2011, , .	0.8	2
114	Miniature fiber-optic force sensor for vitreoretinal microsurgery based on low-coherence Fabry-Pérot interferometry. Proceedings of SPIE, 2012, 8218, 82180O.	0.8	2
115	Spatial compound imaging for fiber-bundle optic microscopy. , 2014, , .		2
116	Spatially Multiplexed Fiber-optic SLM Microscopy for Applications of Optogenetics. , 2015, , .		2
117	Active depth-guiding handheld micro-forceps for membranectomy based on CP-SSOCT. , 2016, , .		2
118	Localization of subsurface photoacoustic fiducials for intraoperative guidance. Proceedings of SPIE, 2017, , .	0.8	2
119	A demonstration of structured-illumination-based technique using commercial surgical endoscope. , 2017, 2017, .		2
120	Molecular Radiative Energy Shifts under Strong Oscillating Fields. Small, 2021, 17, 2007244.	10.0	2
121	Optimization of Near-Infrared Fluorescence Voltage-Sensitive Dye Imaging for Neuronal Activity Monitoring in the Rodent Brain. Frontiers in Neuroscience, 2021, 15, 742405.	2.8	2
122	Principles of Optical Coherence Tomography. , 2013, , 147-171.		2
123	Simple confocal microscopy based on single hollow-core photonic bandgap fiber. , 2006, , .		1
124	Upconversion Fiber-Optic Confocal Microscopy using a Near-Infrared Light Source. , 2007, , .		1
125	Fourier domain common-path fiber OCT with tunable reference: analysis and optimization. , 2007, , .		1
126	Internal limiting membrane layer visualization and vitreoretinal surgery guidance using a common-path OCT integrated microsurgical tool. Proceedings of SPIE, 2010, , .	0.8	1

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127	A Free-Hand Surface Tracking and Motion Compensation Microsurgical Tool System based on Common-path Optical Coherence Tomography Distance Sensor. , 2010, , .		1
128	Real-time complex optical coherence tomography using graphics processing unit for surgical intervention. , 2010, , .		1
129	Correlated Photon-Pair Source for Secured S-C-Band Quantum Communications. IEEE Photonics Technology Letters, 2011, 23, 1178-1180.	2.5	1
130	Real-time dual-mode standard/complex Fourier-domain OCT system using graphics processing unit accelerated 4D signal processing and visualization. , 2011, , .		1
131	Coherent OCDMA receivers with robust performance. , 2011, , .		1
132	In-vivo gingival sulcus imaging using full-range, complex-conjugate-free, endoscopic spectral domain optical coherence tomography. , 2012, , .		1
133	Neuromorphic Biophotonic Sensor Based on Near Infrared Optical Reflectometry. IEEE Sensors Journal, 2012, 12, 474-478.	4.7	1
134	Sapphire ball lensed fiber probe for common-path optical coherence tomography in ocular imaging and sensing. Proceedings of SPIE, 2013, 8567, .	0.8	1
135	Polarization-sensitive multispectral tissue characterization for optimizing intestinal anastomosis. , 2014, , .		1
136	Compressive sensing spectral domain optical coherence tomography with dispersion compensation. Proceedings of SPIE, 2014, , .	0.8	1
137	CP-OCT sensor guided SMART micro-forceps. , 2014, , .		1
138	Graphics processing unit-accelerated real-time compressive sensing spectral domain optical coherence tomography. , 2015, , .		1
139	Automated long-term tracking of freely moving animal and functional brain imaging based on fiber optic microscopy. , 2015, , .		1
140	Active depth-locking handheld micro-injector based on common-path swept source optical coherence tomography. , 2015, , .		1
141	Two-dimensional compressive sensing in spectral domain optical coherence tomography. , 2015, , .		1
142	Image Analysis of Dynamic Brain Activity Based on Gray Distance Compensation. Applied Sciences (Switzerland), 2017, 7, 858.	2.5	1
143	Motion-compensated optical coherence tomography using envelope-based surface detection and Kalman-based prediction. , 2018, , .		1
144	Higher-order regression three-dimensional motion-compensation method for real-time optical coherence tomography volumetric imaging of the cornea. Journal of Biomedical Optics, 2022, 27, .	2.6	1

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145	Surface enhanced Raman glucose detection using gold nanoshells. , 2006, , .		0
146	Observation of random lasing in gold-silica nanoshell/water solution. , 2006, , .		0
147	Demonstration of speckle and interference pattern control using a wavelength-swept fiber laser. , 2006, , .		0
148	An All-Fiber-Optic Confocal Interference Microscope Using Low-Coherence Near-Infrared Light Source. , 2007, , .		0
149	An all-fiber-optic confocal interference microscope using low-coherence near-infrared light source. , 2007, , .		0
150	Endoscopic Fiber Confocal Microscopy Using a GRIN Lens. , 2007, , .		0
151	Linewidth broadening in single-mode sub-kHz fiber ring laser with unpumped Er-doped sagnac loop. , 2007, , .		0
152	Non-Invasive Fiber-Optic Glucose Sensor Based on Stimulated Raman Scattering. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
153	Using Mid-Infrared Glucose Absorption Peak Changes for High-Precision Glucose Detection. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
154	High spectral efficiency phase diversity coherent optical CDMA with low MAI. , 2007, , .		0
155	Common-path fourier-domain optical coherence tomography in ophthalmology applications. , 2009, , .		0
156	Fourier domain common-path optical coherence tomography with a conduit fiber bundle probe. , 2009, , .		0
157	Advanced confocal fiber-optic imaging and sensing approaches. , 2009, , .		0
158	High resolution hemoglobin oxygen saturation level imaging using Morlet wavelet transformed spectroscopic Optical Coherence Tomography. , 2010, , .		0
159	Common-path optical coherence tomography for microsurgeries. , 2010, , .		0
160	Real-Time Numerical Dispersion Compensation for Standard/Full-Range Complex Fourier-Domain Optical Coherence Tomography. , 2011, , .		0
161	Full-Range, Complex-Conjugate-Free, Endoscopic Spectral-Domain Optical Coherence Tomography. , 2011, , .		0
162	A novel non-contact common-path Fourier domain optical coherence tomography method for intraocular lens power measurement in-vitro. , 2011, , .		0

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163	A motion compensated fiber optic confocal microscope based on common-path optical coherent tomography distance sensor. Proceedings of SPIE, 2011, , .	0.8	0
164	Graphics processing unit-based ultrahigh speed real-time multidimensional Fourier domain optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	0
165	<i>In-vivo</i> and <i>in-situ</i> detection of atherosclerotic plaques using full-range complex-conjugate-free spectral domain optical coherence tomography in the murine carotid. Proceedings of SPIE, 2013, , .	0.8	0
166	Freehand OCT with real-time lateral motion tracking. , 2013, , .		0
167	Real-time 3D Fourier-domain optical coherence tomography guided microvascular anastomosis. Proceedings of SPIE, 2013, , .	0.8	0
168	Motion-compensated hand-held common-path Fourier-domain optical coherence tomography probe for image-guided intervention. Proceedings of SPIE, 2013, , .	0.8	0
169	Quantitative transverse flow assessment using OCT speckle decorrelation analysis. , 2013, , .		0
170	Injection-depth-locking axial motion guided handheld micro-injector using CP-SSOCT. , 2014, 2014, 6163-6.		0
171	OCT-aided anastomosis platform study in the rodent model. , 2014, , .		0
172	Tracking both magnitude and direction of 2-D transverse motion with optical coherence tomography. , 2014, , .		0
173	Microvascular anastomosis in rodent model evaluated by Fourier domain Doppler optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	0
174	Reference optimization for a common-path optical coherence tomography probe using angle polishing. Proceedings of SPIE, 2014, , .	0.8	0
175	Ghost Reduction in CP-SSOCT Having Multiple References Using Fourier-Domain Shift and Sum. IEEE Photonics Technology Letters, 2016, 28, 1972-1975.	2.5	0
176	Optimized OCT-based depth-resolved model for attenuation compensation using point-spread-function calibration. , 2021, 11635, .		0
177	In-situ frog retina imaging using common-path OCT with a gold-coated bare fiber probe. , 2008, , .		0
178	Real-Time 4D Full-Range Complex Fourier-domain OCT with Non-Uniform Fast Fourier Transform Based on Dual Graphics Processing Units Architecture. , 2011, , .		0
179	Optical Coherence Tomography Guided Smart Microsurgical Tools. , 2014, , .		0
180	Evaluation of Optical Coherence Tomography Distal Sensor with High-index Elliptical Cone Epoxy Lens. , 2017, , .		0

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181	Suture Maps Based on Structural Enhanced Imaging Endoscope for Laparoscopic Robotic Surgery. , 2018, 2018, .		0
182	Miniature handheld multi-view optical coherence tomography probe for intraoperative vascular imaging. , 2019, , .		0
183	3D motion-compensated optical coherence tomography based on higher-order regression towards real-time volumetric imaging of the cornea. , 2022, , .		0
184	Downward viewing common-path optical coherence tomography guided hydro-dissection needle for DALK. , 2022, , .		0