

# Robert A Huber

## List of Publications by Year in descending order

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212  
papers

9,887  
citations

41344

49  
h-index

36028

97  
g-index

215  
all docs

215  
docs citations

215  
times ranked

4860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier Domain Mode Locking (FDML): A new laser operating regime and applications for optical coherence tomography. Optics Express, 2006, 14, 3225.	3.4	1,007
2	Multi-Megahertz OCT: High quality 3D imaging at 20 million A-scans and 45 GVoxels per second. Optics Express, 2010, 18, 14685.	3.4	503
3	Buffered Fourier domain mode locking: unidirectional swept laser sources for optical coherence tomography imaging at 370,000 lines/s. Optics Letters, 2006, 31, 2975.	3.3	490
4	Amplified, frequency swept lasers for frequency domain reflectometry and OCT imaging: design and scaling principles. Optics Express, 2005, 13, 3513.	3.4	479
5	Megahertz OCT for ultrawide-field retinal imaging with a 1050nm Fourier domain mode-locked laser. Optics Express, 2011, 19, 3044.	3.4	349
6	Three-dimensional endomicroscopy using optical coherence tomography. Nature Photonics, 2007, 1, 709-716.	31.4	296
7	Choriocapillaris and Choroidal Microvasculature Imaging with Ultrahigh Speed OCT Angiography. PLoS ONE, 2013, 8, e81499.	2.5	289
8	Ultrahigh-Speed Optical Coherence Tomography for Three-Dimensional and En Face Imaging of the Retina and Optic Nerve Head. , 2008, 49, 5103.		283
9	The Role of Surface States in the Ultrafast Photoinduced Electron Transfer from Sensitizing Dye Molecules to Semiconductor Colloids. Journal of Physical Chemistry B, 2000, 104, 8995-9003.	2.6	269
10	Fourier domain mode locking at 1050 nm for ultra-high-speed optical coherence tomography of the human retina at 236,000 axial scans per second. Optics Letters, 2007, 32, 2049.	3.3	269
11	Real-Time Observation of Photoinduced Adiabatic Electron Transfer in Strongly Coupled Dye/Semiconductor Colloidal Systems with a 6 fs Time Constant. Journal of Physical Chemistry B, 2002, 106, 6494-6499.	2.6	239
12	Photothermal detection of gold nanoparticles using phase-sensitive optical coherence tomography. Optics Express, 2008, 16, 4376.	3.4	234
13	Three-dimensional and C-mode OCT imaging with a compact, frequency swept laser source at 1300 nm. Optics Express, 2005, 13, 10523.	3.4	231
14	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.	3.4	214
15	Multi-MHz retinal OCT. Biomedical Optics Express, 2013, 4, 1890.	2.9	200
16	Ultrahigh-speed optical coherence tomography imaging and visualization of the embryonic avian heart using a buffered Fourier Domain Mode Locked laser. Optics Express, 2007, 15, 6251.	3.4	188
17	High-speed OCT light sources and systems [Invited]. Biomedical Optics Express, 2017, 8, 828.	2.9	176
18	Phase-sensitive optical coherence tomography at up to 370,000 lines per second using buffered Fourier domain mode-locked lasers. Optics Letters, 2007, 32, 626.	3.3	160

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19	K-space linear Fourier domain mode locked laser and applications for optical coherence tomography. Optics Express, 2008, 16, 8916.	3.4	148
20	High definition live 3D-OCT in vivo: design and evaluation of a 4D OCT engine with 1 GVoxel/s. Biomedical Optics Express, 2014, 5, 2963.	2.9	142
21	Dispersion, coherence and noise of Fourier domain mode locked lasers. Optics Express, 2009, 17, 9947.	3.4	141
22	In situ structural and microangiographic assessment of human skin lesions with high-speed OCT. Biomedical Optics Express, 2012, 3, 2636.	2.9	133
23	High speed engine gas thermometry by Fourier-domain mode-locked laser absorption spectroscopy. Optics Express, 2007, 15, 15115.	3.4	131
24	High-speed, high-resolution optical coherence tomography retinal imaging with a frequency-swept laser at 850 nm. Optics Letters, 2007, 32, 361.	3.3	125
25	Improved spectral optical coherence tomography using optical frequency comb. Optics Express, 2008, 16, 4163.	3.4	121
26	Ultra-widefield retinal MHz-OCT imaging with up to 100 degrees viewing angle. Biomedical Optics Express, 2015, 6, 1534.	2.9	104
27	Intravascular optical coherence tomography imaging at 3200 frames per second. Optics Letters, 2013, 38, 1715.	3.3	103
28	Ultrahigh-speed non-invasive widefield angiography. Journal of Biomedical Optics, 2012, 17, 0705051.	2.6	99
29	Swept source optical coherence microscopy using a Fourier domain mode-locked laser. Optics Express, 2007, 15, 6210.	3.4	94
30	Extended coherence length megahertz FDML and its application for anterior segment imaging. Biomedical Optics Express, 2012, 3, 2647.	2.9	91
31	Noncollinear optical parametric amplifiers with output parameters improved by the application of a white light continuum generated in CaF2. Optics Communications, 2001, 194, 443-448.	2.1	88
32	Extended focus high-speed swept source OCT with self-reconstructive illumination. Optics Express, 2011, 19, 12141.	3.4	82
33	A Time-Encoded Technique for fibre-based hyperspectral broadband stimulated Raman microscopy. Nature Communications, 2015, 6, 6784.	12.8	82
34	Heartbeat OCT: in vivo intravascular megahertz-optical coherence tomography. Biomedical Optics Express, 2015, 6, 5021.	2.9	80
35	A Fast Photoswitch for Minimally Perturbed Peptides: Investigation of the trans to cis Photoisomerization of N-Methylthioacetamide. Journal of the American Chemical Society, 2004, 126, 8823-8834.	13.7	79
36	First Steps of Retinal Photoisomerization in Proteorhodopsin. Biophysical Journal, 2006, 91, 255-262.	0.5	74

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37	Fourier domain mode-locked swept source at 1050 nm based on a tapered amplifier. Optics Express, 2010, 18, 15820.	3.4	74
38	pH-Dependent Photoisomerization of Retinal in Proteorhodopsin. Biochemistry, 2005, 44, 1800-1806.	2.5	72
39	Real time en face Fourier-domain optical coherence tomography with direct hardware frequency demodulation. Optics Letters, 2008, 33, 2556.	3.3	72
40	Extended coherence length Fourier domain mode locked lasers at 1310 nm. Optics Express, 2011, 19, 20930.	3.4	71
41	A theoretical description of Fourier domain mode locked lasers. Optics Express, 2009, 17, 24013.	3.4	68
42	Laser-induced thermal expansion of a scanning tunneling microscope tip measured with an atomic force microscope cantilever. Applied Physics Letters, 1998, 73, 2521-2523.	3.3	67
43	Comparison of three-dimensional optical coherence tomography and high resolution photography for art conservation studies. Optics Express, 2007, 15, 15972.	3.4	67
44	High-resolution optical coherence tomography imaging of the living kidney. Laboratory Investigation, 2008, 88, 441-449.	3.7	65
45	Wavelength-agile H <sub>2</sub> O absorption spectrometer for thermometry of general combustion gases. Proceedings of the Combustion Institute, 2007, 31, 783-790.	3.9	62
46	Joint aperture detection for speckle reduction and increased collection efficiency in ophthalmic MHz OCT. Biomedical Optics Express, 2013, 4, 619.	2.9	59
47	Raman-pumped Fourier-domain mode-locked laser: analysis of operation and application for optical coherence tomography. Optics Letters, 2008, 33, 2815.	3.3	54
48	Megahertz ultra-wide-field swept-source retina optical coherence tomography compared to current existing imaging devices. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1009-1016.	1.9	54
49	Combined 60° Wide-Field Choroidal Thickness Maps and High-Definition En Face Vasculature Visualization Using Swept-Source Megahertz OCT at 1050 nm. , 2015, 56, 6284.		52
50	Ultra low noise Fourier domain mode locked laser for high quality megahertz optical coherence tomography. Biomedical Optics Express, 2018, 9, 4130.	2.9	52
51	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser. Biomedical Optics Express, 2012, 3, 2987.	2.9	51
52	Picosecond pulses from wavelength-swept continuous-wave Fourier domain mode-locked lasers. Nature Communications, 2013, 4, 1848.	12.8	48
53	Instantaneous lineshape analysis of Fourier domain mode-locked lasers. Optics Express, 2011, 19, 8802.	3.4	47
54	Direct measurement of the instantaneous linewidth of rapidly wavelength-swept lasers. Optics Letters, 2010, 35, 3733.	3.3	45

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55	Observation of photoinduced electron transfer in dye/semiconductor colloidal systems with different coupling strengths. <i>Chemical Physics</i> , 2002, 285, 39-45.	1.9	43
56	A 75 MHz Light Source for Femtosecond Stimulated Raman Microscopy. <i>Optics Express</i> , 2009, 17, 18612.	3.4	42
57	Intrasweep phase-sensitive optical coherence tomography for noncontact optical photoacoustic imaging. <i>Optics Letters</i> , 2012, 37, 4368.	3.3	42
58	Live video rate volumetric OCT imaging of the retina with multi-MHz A-scan rates. <i>PLoS ONE</i> , 2019, 14, e0213144.	2.5	39
59	Recent developments in Fourier Domain Mode Locked lasers for optical coherence tomography: Imaging at 1310 nm vs. 1550 nm wavelength. <i>Journal of Biophotonics</i> , 2009, 2, 357-363.	2.3	38
60	Balance of physical effects causing stationary operation of Fourier domain mode-locked lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 656.	2.1	37
61	High-resolution retinal swept source optical coherence tomography with an ultra-wideband Fourier-domain mode-locked laser at MHz A-scan rates. <i>Biomedical Optics Express</i> , 2018, 9, 120.	2.9	36
62	Ultrafast photoinduced electron transfer in coumarin 343 sensitized TiO <sub>2</sub> -colloidal solution. <i>International Journal of Photoenergy</i> , 1999, 1, 153-155.	2.5	31
63	Two-photon microscopy using fiber-based nanosecond excitation. <i>Biomedical Optics Express</i> , 2016, 7, 2432.	2.9	31
64	Retinal polarization-sensitive optical coherence tomography at 1060 nm with 350 kHz A-scan rate using an Fourier domain mode locked laser. <i>Journal of Biomedical Optics</i> , 2013, 18, 026008.	2.6	29
65	Chromatic polarization effects of swept waveforms in FDML lasers and fiber spools. <i>Optics Express</i> , 2012, 20, 9819.	3.4	28
66	Single pulse two photon fluorescence lifetime imaging (SP-FLIM) with MHz pixel rate. <i>Biomedical Optics Express</i> , 2017, 8, 3132.	2.9	27
67	Optical Coherence Tomography Guided Laser Cochleostomy: Towards the Accuracy on Tens of Micrometer Scale. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	26
68	Wavelength swept amplified spontaneous emission source. <i>Optics Express</i> , 2009, 17, 18794.	3.4	25
69	Ultra-rapid dispersion measurement in optical fibers. <i>Optics Express</i> , 2009, 17, 22871.	3.4	25
70	Subharmonic Fourier domain mode locking. <i>Optics Letters</i> , 2009, 34, 725.	3.3	22
71	Wavelength swept amplified spontaneous emission source for high speed retinal optical coherence tomography at 1060 nm. <i>Journal of Biophotonics</i> , 2011, 4, 552-558.	2.3	21
72	Microscopic optical coherence tomography (mOCT) at 600 kHz for 4D volumetric imaging and dynamic contrast. <i>Biomedical Optics Express</i> , 2021, 12, 6024.	2.9	21

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73	Wavelength shifting of intra-cavity photons: Adiabatic wavelength tuning in rapidly wavelength-swept lasers. <i>Biomedical Optics Express</i> , 2015, 6, 2448.	2.9	20
74	High-speed fiber scanning endoscope for volumetric multi-megahertz optical coherence tomography. <i>Optics Letters</i> , 2018, 43, 4386.	3.3	20
75	Heartbeat OCT and Motion-Free 3D InÂVivo Coronary Artery Microscopy. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 622-623.	5.3	19
76	High-Quality 3-D Imaging with Multimegahertz OCT. <i>Optics and Photonics News</i> , 2010, 21, 28.	0.5	16
77	Thermo-elastic optical coherence tomography. <i>Optics Letters</i> , 2017, 42, 3466.	3.3	16
78	Nonlinear optical frequency conversion of an amplified Fourier Domain Mode Locked (FDML) laser. <i>Optics Express</i> , 2009, 17, 16801.	3.4	15
79	Modeling and analysis of polarization effects in Fourier domain mode-locked lasers. <i>Optics Letters</i> , 2015, 40, 2385.	3.3	15
80	Beyond Vibrationally Mediated Electron Transfer: Coherent Phenomena Induced by Ultrafast Charge Separation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8534-8539.	3.1	14
81	Self-stabilization mechanism in ultra-stable Fourier domain mode-locked (FDML) lasers. <i>OSA Continuum</i> , 2020, 3, 1589.	1.8	14
82	OCT-Guided Surgery for Gliomas: Current Concept and Future Perspectives. <i>Diagnostics</i> , 2022, 12, 335.	2.6	14
83	Pulse-to-pulse wavelength switching of a nanosecond fiber laser by four-wave mixing seeded stimulated Raman amplification. <i>Optics Letters</i> , 2017, 42, 4406.	3.3	13
84	Multi-MHz FDML OCT: snapshot retinal imaging at 6.7 million axial-scans per second. <i>Proceedings of SPIE</i> , 2012, , .	0.8	12
85	Wide-Field Megahertz OCT Imaging of Patients with Diabetic Retinopathy. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-5.	2.3	12
86	Motorized capsule for shadow-free OCT imaging and synchronous beam control. <i>Optics Letters</i> , 2019, 44, 3641.	3.3	12
87	Combined in-depth, 3D, en face imaging of the optic disc, optic disc pits and optic disc pit maculopathy using swept-source megahertz OCT at 1050Ânm. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 289-298.	1.9	11
88	INTRAPAPILLARY PROLIFERATION IN OPTIC DISK PITS. <i>Retina</i> , 2017, 37, 906-914.	1.7	10
89	Shot-Noise Limited Time-Encoded Raman Spectroscopy. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-6.	1.3	10
90	Efficient simulation of the swept-waveform polarization dynamics in fiber spools and Fourier domain mode-locked (FDML) lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1135.	2.1	10

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91	Continuous spectral zooming for in vivo live 4D-OCT with MHz A-scan rates and long coherence. Biomedical Optics Express, 2022, 13, 713.	2.9	10
92	Simultaneous Morphological and Flow Imaging Enabled by Megahertz Intravascular Doppler Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 1535-1544.	8.9	9
93	High-speed frequency swept light source for Fourier domain OCT at 20 kHz A-scan rate. , 2005, , .		8
94	Broadband Fourier domain mode-locked laser for optical coherence tomography at 1060 nm. Proceedings of SPIE, 2012, , .	0.8	8
95	Imaging Inflammation â€œ From Whole Body Imaging to Cellular Resolution. Frontiers in Immunology, 2021, 12, 692222.	4.8	8
96	Flexible A-scan rate MHz-OCT: efficient computational downscaling by coherent averaging. Biomedical Optics Express, 2020, 11, 6799.	2.9	8
97	Ultrafast Phenomena XIII. Springer Series in Chemical Physics, 2003, , .	0.2	8
98	Registration of histological brain images onto optical coherence tomography images based on shape information. Physics in Medicine and Biology, 2022, 67, 135007.	3.0	8
99	Intensity pattern types in broadband Fourier domain mode-locked (FDML) lasers operating beyond the ultra-stable regime. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	7
100	Ultra-compact tunable fiber laser for coherent anti-Stokes Raman imaging. Journal of Raman Spectroscopy, 2021, 52, 1561-1568.	2.5	6
101	Analysis of FDML lasers with meter range coherence. , 2017, , .		5
102	In-vitro and in-vivo imaging of coronary artery stents with Heartbeat OCT. International Journal of Cardiovascular Imaging, 2020, 36, 1021-1029.	1.5	5
103	Cavity length control for Fourier domain mode locked (FDML) lasers with $\hat{\mu}\text{m}$ precision. Biomedical Optics Express, 2021, 12, 2604.	2.9	5
104	Time-encoded stimulated Raman scattering microscopy of tumorous human pharynx tissue in the fingerprint region from 1500â€œ1800â€œ $\text{cm}^{-1}$ . Optics Letters, 2021, 46, 3456.	3.3	5
105	Spectroscopic thermo-elastic optical coherence tomography for tissue characterization. Biomedical Optics Express, 2022, 13, 1430.	2.9	5
106	Full volumetric video rate OCT of the posterior eye with up to 195.2 volumes/s. Proceedings of SPIE, 2015, , .	0.8	4
107	4-D Real-Time Optical Coherence Tomography. Optics and Photonics News, 2015, 26, 32.	0.5	4
108	Flexible A-scan rate MHz OCT: computational downscaling by coherent averaging. , 2016, , .		4

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109	Megahertz FDML laser with up to 143nm sweep range for ultrahigh resolution OCT at 1050nm. , 2016, , .		4
110	<title>Beyond vibrationally mediated electron transfer: interfacial charge injection on a sub-10-fs time scale</title>. , 2003, 5223, 121.		3
111	In vivo endomicroscopy using three-dimensional optical coherence tomography and Fourier domain mode locked lasers. Proceedings of SPIE, 2008, , .	0.8	3
112	High-speed functional OCT with self-reconstructive Bessel illumination at 1300 nm. , 2011, , .		3
113	Nanosecond two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		3
114	Fully automated 1.5 MHz FDML laser with more than 100mW output power at 1310 nm. , 2015, , .		3
115	Feature tracking for automated volume of interest stabilization on 4D-OCT images. , 2017, , .		3
116	Multi-MHz retinal OCT imaging using an FDML laser. , 2012, , .		3
117	Wavelength agile multi-photon microscopy with a fiber amplified diode laser. Biomedical Optics Express, 2018, 9, 6273.	2.9	3
118	Limiting ischemia by fast Fourier-domain imaging. , 2007, , 273-282.		3
119	Ultra-high-accuracy chromatic dispersion measurement in optical fibers. , 2022, , .		3
120	Fourier domain mode-locked lasers for swept source OCT imaging at up to 290 kHz scan rates. , 2006, , .		2
121	Fourier domain mode locked (FDML) lasers for polarization sensitive OCT. , 2009, , .		2
122	Structural and functional imaging with extended focus dark-field OCT at 1300nm. , 2011, , .		2
123	Coherence length extension of Fourier domain mode locked lasers. , 2012, , .		2
124	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser: erratum. Biomedical Optics Express, 2013, 4, 241.	2.9	2
125	4D megahertz optical coherence tomography (OCT): imaging and live display beyond 1 gigavoxel/sec (Conference Presentation). , 2016, , .		2
126	Surface States Control Ultrafast Electron Injection in Dye/Semiconductor Colloidal Systems. Springer Series in Chemical Physics, 2001, , 456-458.	0.2	2



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127	Long-range live 3D-OCT at different spectral zoom levels. , 2017, , .		2
128	Fully automated 1.5 MHz FDML laser with 100 mW output power at 1310 nm. , 2015, , .		2
129	A real-time video-rate 4D MHz-OCT microscope with high definition and low latency virtual reality display. , 2019, , .		2
130	Segmented OCT data set for depth resolved brain tumor detection validated by histological analysis. , 2020, , .		2
131	Towards ultra-large area vascular contrast skin imaging using multi-MHz-OCT. , 2022, , .		2
132	Fourier domain mode-locked (FDML) lasers at 1050 nm and 202,000 sweeps per second for OCT retinal imaging. , 2007, 6429, 33.		1
133	Optical coherence tomography imaging with k-space linear Fourier Domain Mode Locked lasers. , 2008, , .		1
134	Fourier domain mode locking theory. , 2008, , .		1
135	Swept source OCT imaging of human anterior segment at 200 kHz. , 2009, , .		1
136	Linewidth Optimization of Fourier Domain Mode-Locked Lasers. , 2010, , .		1
137	High-power FDML laser for swept source-OCT at 1060 nm. , 2010, , .		1
138	High-speed polarization-sensitive OCT at 1060 nm using a Fourier domain mode-locked swept source. Proceedings of SPIE, 2012, , .	0.8	1
139	Simultaneous dark-bright field swept source OCT for ultrasound detection. , 2012, , .		1
140	Ultra-high-speed intravascular optical coherence tomography imaging at 3200 frames per second. Proceedings of SPIE, 2013, , .	0.8	1
141	High definition in vivo retinal volumetric video rate OCT at 0.6 Giga-voxels per second. , 2015, , .		1
142	Two-photon-excited fluorescence (TPEF) and fluorescence lifetime imaging (FLIM) with sub-nanosecond pulses and a high analog bandwidth signal detection. , 2017, , .		1
143	Modeling of the Ultra-Stable Operating Regime in Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		1
144	Three-Dimensional Endoscopic Optical Coherence Tomography (OCT) using Fourier Domain Mode Locked (FDML) Lasers. , 2008, , .		1

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145	Heartbeat OCT: superfast imaging and elasticity detection. , 2016, , .		1
146	Fourier Domain Mode Locking (FDML): A New Laser Operating Regime and Applications for Biomedical Imaging, Profilometry, Ranging and Sensing. , 2009, , .		1
147	Virtual HE histology by fiber-based picosecond two-photon microscopy. , 2019, , .		1
148	Ex vivo and in vivo imaging of human brain tissue with different OCT systems. , 2019, , .		1
149	Beating of two FDML lasers in real time. , 2020, , .		1
150	Shadow-free motorized capsule enables accurate beam positioning and sectorized OCT imaging of the esophagus. , 2020, , .		1
151	Towards densely sampled ultra-large area multi-MHz-OCT for in-vivo skin measurements beyond 1 cm <sup>2</sup> /sec. , 2021, , .		1
152	Three dimensional waveguide splitters fabricated in glass using a femtosecond laser oscillator. , 2005, , .		0
153	High-speed, amplified, frequency swept laser at 20 kHz sweep rates for OCT imaging. , 0, , .		0
154	Fourier Domain Mode Locking (FDML): Three-dimensional OCT imaging at 906 frames per second. , 2006, , .		0
155	Fourier Domain Mode Locking (FDML) in the non-zero dispersion regime: A laser for ultrahigh-speed retinal OCT imaging at 236kHz line rate. , 2007, , .		0
156	High-speed high-resolution OCT imaging of the retina with frequency swept lasers at 850 nm. , 2007, , .		0
157	Phase-sensitive optical coherence tomography using buffered Fourier domain mode-locked lasers at up to 370,000 scans per second. , 2007, , .		0
158	Optical Coherence Tomography Phase Microscopy Using Buffered Fourier Domain Mode Locked (FDML) Lasers at up to 370,000 Lines per Second. , 2007, , .		0
159	Dispersion, coherence and noise of Fourier Domain Mode Locked (FDML) lasers. , 2009, , .		0
160	Advances in Fourier domain OCT. , 2009, , .		0
161	Wavelength swept ASE source. Proceedings of SPIE, 2009, , .	0.8	0
162	State-of-the-art and future of ultrahigh speed OCT. , 2009, , .		0

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163	FDML swept source at 1060 nm using a tapered amplifier. Proceedings of SPIE, 2010, , .	0.8	0
164	FDML laser for megahertz retinal OCT imaging. , 2011, , .		0
165	Picosecond pulses from an FDML laser. , 2011, , .		0
166	Picosecond pulses from an FDML laser. , 2012, , .		0
167	Deep skin structural and microcirculation imaging with extended-focus OCT. Proceedings of SPIE, 2012, , .	0.8	0
168	History compounding: a novel speckle reduction technique for OCT guided cochleostomy. Proceedings of SPIE, 2013, , .	0.8	0
169	FDML Raman: New high resolution SRS with ultra broadband spectral coverage. , 2013, , .		0
170	Picosecond pulses from a Fourier domain mode locked (FDML) laser. , 2013, , .		0
171	Hyperspectral Stimulated Raman Microscopy with Fiber-based, Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0
172	Broadband, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0
173	Track B. Biophotonics. Biomedizinische Technik, 2015, 60, s31-4.	0.8	0
174	Dual parametric compounding approach for speckle reduction in OCT. , 2015, , .		0
175	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
176	Time-encoded Raman scattering (TICO-Raman) with Fourier domain mode locked (FDML) lasers. , 2015, , .		0
177	Megahertz OCT: Technology, Clinical Applications and Beyond. , 2016, , .		0
178	Heartbeat OCT: a new tool for interventional imaging (Conference Presentation). , 2016, , .		0
179	Micro motor OCT enables catheter based assessment of vascular elasticity (Conference Presentation). , 2016, , .		0
180	Short pulse laser induced thermo-elastic deformation imaging. Proceedings of SPIE, 2017, , .	0.8	0

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181	Pulse-to-pulse wavelength switching of diode based fiber laser for multi-color multi-photon imaging. , 2017, , .		0
182	1060nm FDML laser with centimeter coherence length and 1.67 MHz sweep rate for full eye length and retinal ultra-widefield OCT. , 2017, , .		0
183	Sparse-sampling with time-encoded (TICO) stimulated Raman scattering for fast image acquisition. , 2017, , .		0
184	Coexistence of Intensity Pattern Types in Broadband Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		0
185	Sub-Nanosecond Pulsed Fiber Laser for 532nm Two-Photon Excitation Fluorescence (TPEF) Microscopy of UV Transitions. , 2019, , .		0
186	Superposition of two independent FDML lasers. , 2021, , .		0
187	Surface defect states control ultrafast electron injection in dye/semiconductor colloidal systems. , 2000, , .		0
188	Photoinduced electron transfer in dye/semiconductor systems on a sub-10-fs time scale. , 2002, , .		0
189	Photoinduced electron transfer in dye/semiconductor systems on a sub-10-fs time scale. Springer Series in Chemical Physics, 2003, , 316-318.	0.2	0
190	Fourier domain mode locking: new lasers for optical coherence tomography. SPIE Newsroom, 2009, , .	0.1	0
191	Wavelength swept ASE source. , 2009, , .		0
192	Fourier Domain Mode Locked (FDML) Lasers for Polarization Sensitive OCT. , 2009, , .		0
193	Fourier Domain Modelocking (FDML): Rapidly Wavelength Swept Lasers for High Speed Optical Coherence Tomography (OCT). , 2009, , .		0
194	Analysis of the Optical Dynamics in Fourier Domain Mode-Locked Lasers. , 2010, , .		0
195	Multimegahertz Optical Coherence Tomography: High Quality Biomedical Imaging beyond 1 Million A-Scans per Second. , 2010, , .		0
196	Multi-Megahertz OCT: Technology, recent developments and advantages. , 2011, , .		0
197	Extended Coherence Range Megahertz FDML Laser for Imaging the Human Anterior Segment. , 2012, , .		0
198	High-speed polarization-sensitive optical coherence tomography (PS-OCT) at 1060 nm. , 2012, , .		0

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199	Dispersion Compensated Megahertz FDML Laser for Imaging of the Anterior Segment. , 2012, , .		0
200	FDML Raman: High Speed, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept Lasers. , 2013, , .		0
201	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
202	Nanosecond Two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		0
203	FDML (incl. Parallelization). , 2015, , 741-787.		0
204	Time-Encoded Raman scattering (TICO-Raman) with Fourier Domain Mode Locked (FDML) Lasers. , 2015, , .		0
205	High Definition In Vivo Retinal Volumetric Video Rate OCT at 0.6 Giga-Voxels per Second. , 2015, , .		0
206	Single pulse two-photon fluorescence lifetime imaging (SP-FLIM) with MHz pixel rate and an all fiber based setup. Proceedings of SPIE, 2017, , .	0.8	0
207	Megahertz intravascular Doppler optical coherence tomography enables simultaneous morphological and flow pattern imaging. , 2019, , .		0
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