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	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
2	OCT-Guided Surgery for Gliomas: Current Concept and Future Perspectives. Diagnostics, 2022, 12, 335.	2.6	14
3	Spectroscopic thermo-elastic optical coherence tomography for tissue characterization. Biomedical Optics Express, 2022, 13, 1430.	2.9	5
4	Ultra-high-accuracy chromatic dispersion measurement in optical fibers. , 2022, , .		3
5	Towards ultra-large area vascular contrast skin imaging using multi-MHz-OCT. , 2022, , .		2
6	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
7	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
8	Cavity length control for Fourier domain mode locked (FDML) lasers with Âµm precision. Biomedical Optics Express, 2021, 12, 2604.	2.9	5
9	Imaging Inflammation â€“ From Whole Body Imaging to Cellular Resolution. Frontiers in Immunology, 2021, 12, 692222.	4.8	8
10	Ultraâ€compact tunable fiber laser for coherent antiâ€Stokes Raman imaging. Journal of Raman Spectroscopy, 2021, 52, 1561-1568.	2.5	6
11	Superposition of two independent FDML lasers. , 2021, , .		0
12	Time-encoded stimulated Raman scattering microscopy of tumorous human pharynx tissue in the fingerprint region from 1500â€“1800â€‰â€‰cm-1. Optics Letters, 2021, 46, 3456.	3.3	5
13	Microscopic optical coherence tomography (mOCT) at 600 kHz for 4D volumetric imaging and dynamic contrast. Biomedical Optics Express, 2021, 12, 6024.	2.9	21
14	Towards densely sampled ultra-large area multi-MHz-OCT for in-vivo skin measurements beyond 1 cm2/sec. , 2021, , .		1
15	Spectroscopic analysis through thermoelastic optical coherence microscopy. , 2021, , .		0
16	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
17	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
18	Flexible A-scan rate MHz-OCT: efficient computational downscaling by coherent averaging. Biomedical Optics Express, 2020, 11, 6799.	2.9	8

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19	Self-stabilization mechanism in ultra-stable Fourier domain mode-locked (FDML) lasers. OSA Continuum, 2020, 3, 1589.	1.8	14
20	Segmented OCT data set for depth resolved brain tumor detection validated by histological analysis. , 2020, , .		2
21	Beating of two FDML lasers in real time. , 2020, , .		1
22	Shadow-free motorized capsule enables accurate beam positioning and sectorized OCT imaging of the esophagus. , 2020, , .		1
23	Live video rate volumetric OCT imaging of the retina with multi-MHz A-scan rates. PLoS ONE, 2019, 14, e0213144.	2.5	39
24	Coexistence of Intensity Pattern Types in Broadband Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		0
25	Sub-Nanosecond Pulsed Fiber Laser for 532nm Two-Photon Excitation Fluorescence (TPEF) Microscopy of UV Transitions. , 2019, , .		0
26	Modeling of the Ultra-Stable Operating Regime in Fourier Domain Mode Locked (FDML) Lasers. , 2019, , .		1
27	Motorized capsule for shadow-free OCT imaging and synchronous beam control. Optics Letters, 2019, 44, 3641.	3.3	12
28	Megahertz intravascular Doppler optical coherence tomography enables simultaneous morphological and flow pattern imaging. , 2019, , .		0
29	Virtual HE histology by fiber-based picosecond two-photon microscopy. , 2019, , .		1
30	Thermo-elastic optical coherence tomography. , 2019, , .		0
31	A real-time video-rate 4D MHz-OCT microscope with high definition and low latency virtual reality display. , 2019, , .		2
32	Towards combined optical coherence tomography and multi-spectral imaging with MHz a-scan rates for endoscopy. , 2019, , .		0
33	Zero roll-off retinal MHz-OCT using an FDML-laser. , 2019, , .		0
34	Ex vivo and in vivo imaging of human brain tissue with different OCT systems. , 2019, , .		1
35	MHz-OCT for low latency virtual reality guided surgery: first wet lab experiments on ex-vivo porcine eye. , 2019, , .		0
36	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. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 289-298.	1.9	11

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37	Ultra low noise Fourier domain mode locked laser for high quality megahertz optical coherence tomography. Biomedical Optics Express, 2018, 9, 4130.	2.9	52
38	High-speed fiber scanning endoscope for volumetric multi-megahertz optical coherence tomography. Optics Letters, 2018, 43, 4386.	3.3	20
39	High-resolution retinal swept source optical coherence tomography with an ultra-wideband Fourier-domain mode-locked laser at MHz A-scan rates. Biomedical Optics Express, 2018, 9, 120.	2.9	36
40	Wavelength agile multi-photon microscopy with a fiber amplified diode laser. Biomedical Optics Express, 2018, 9, 6273.	2.9	3
41	Two-photon-excited fluorescence (TPEF) and fluorescence lifetime imaging (FLIM) with sub-nanosecond pulses and a high analog bandwidth signal detection. , 2017, , .		1
42	Short pulse laser induced thermo-elastic deformation imaging. Proceedings of SPIE, 2017, , .	0.8	0
43	Feature tracking for automated volume of interest stabilization on 4D-OCT images. , 2017, , .		3
44	Analysis of FDML lasers with meter range coherence. , 2017, , .		5
45	Pulse-to-pulse wavelength switching of diode based fiber laser for multi-color multi-photon imaging. , 2017, , .		0
46	INTRAPAPILLARY PROLIFERATION IN OPTIC DISK PITS. Retina, 2017, 37, 906-914.	1.7	10
47	1060nm FDML laser with centimeter coherence length and 1.67 MHz sweep rate for full eye length and retinal ultra-widefield OCT. , 2017, , .		0
48	Sparse-sampling with time-encoded (TICO) stimulated Raman scattering for fast image acquisition. , 2017, , .		0
49	Single pulse two photon fluorescence lifetime imaging (SP-FLIM) with MHz pixel rate. Biomedical Optics Express, 2017, 8, 3132.	2.9	27
50	Thermo-elastic optical coherence tomography. Optics Letters, 2017, 42, 3466.	3.3	16
51	Pulse-to-pulse wavelength switching of a nanosecond fiber laser by four-wave mixing seeded stimulated Raman amplification. Optics Letters, 2017, 42, 4406.	3.3	13
52	High-speed OCT light sources and systems [Invited]. Biomedical Optics Express, 2017, 8, 828.	2.9	176
53	Shot-Noise Limited Time-Encoded Raman Spectroscopy. Journal of Spectroscopy, 2017, 2017, 1-6.	1.3	10
54	Efficient simulation of the swept-waveform polarization dynamics in fiber spools and Fourier domain mode-locked (FDML) lasers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1135.	2.1	10

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55	Long-range live 3D-OCT at different spectral zoom levels. , 2017, , .		2
56	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
57	Megahertz OCT: Technology, Clinical Applications and Beyond. , 2016, , .		0
58	Heartbeat OCT: a new tool for interventional imaging (Conference Presentation). , 2016, , .		0
59	Beyond Vibrationally Mediated Electron Transfer: Coherent Phenomena Induced by Ultrafast Charge Separation. Journal of Physical Chemistry C, 2016, 120, 8534-8539.	3.1	14
60	Flexible A-scan rate MHz OCT: computational downscaling by coherent averaging. , 2016, , .		4
61	Heartbeat OCT and Motion-Free 3D InÂVivo Coronary Artery Microscopy. JACC: Cardiovascular Imaging, 2016, 9, 622-623.	5.3	19
62	Two-photon microscopy using fiber-based nanosecond excitation. Biomedical Optics Express, 2016, 7, 2432.	2.9	31
63	4D megahertz optical coherence tomography (OCT): imaging and live display beyond 1 gigavoxel/sec (Conference Presentation). , 2016, , .		2
64	Micro motor OCT enables catheter based assessment of vascular elasticity (Conference Presentation). , 2016, , .		0
65	Megahertz FDML laser with up to 143nm sweep range for ultrahigh resolution OCT at 1050nm. , 2016, , .		4
66	Heartbeat OCT: superfast imaging and elasticity detection. , 2016, , .		1
67	Heartbeat OCT: in vivo intravascular megahertz-optical coherence tomography. Biomedical Optics Express, 2015, 6, 5021.	2.9	80
68	Track B. Biophotonics. Biomedizinische Technik, 2015, 60, s31-4.	0.8	0
69	Wide-Field Megahertz OCT Imaging of Patients with Diabetic Retinopathy. Journal of Diabetes Research, 2015, 2015, 1-5.	2.3	12
70	Combined 60Â° Wide-Field Choroidal Thickness Maps and High-Definition En Face Vasculature Visualization Using Swept-Source Megahertz OCT at 1050 nm. , 2015, 56, 6284.		52
71	High definition in vivo retinal volumetric video rate OCT at 0.6 Giga-voxels per second. , 2015, , .		1
72	Dual parametric compounding approach for speckle reduction in OCT. , 2015, , .		0

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73	Nanosecond two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		3
74	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
75	Time-encoded Raman scattering (TICO-Raman) with Fourier domain mode locked (FDML) lasers. , 2015, , .		0
76	Full volumetric video rate OCT of the posterior eye with up to 195.2 volumes/s. Proceedings of SPIE, 2015, , .	0.8	4
77	Fully automated 1.5 MHz FDML laser with more than 100mW output power at 1310 nm. , 2015, , .		3
78	A Time-Encoded Technique for fibre-based hyperspectral broadband stimulated Raman microscopy. Nature Communications, 2015, 6, 6784.	12.8	82
79	Ultra-widefield retinal MHz-OCT imaging with up to 100 degrees viewing angle. Biomedical Optics Express, 2015, 6, 1534.	2.9	104
80	Wavelength shifting of intra-cavity photons: Adiabatic wavelength tuning in rapidly wavelength-swept lasers. Biomedical Optics Express, 2015, 6, 2448.	2.9	20
81	4-D Real-Time Optical Coherence Tomography. Optics and Photonics News, 2015, 26, 32.	0.5	4
82	Modeling and analysis of polarization effects in Fourier domain mode-locked lasers. Optics Letters, 2015, 40, 2385.	3.3	15
83	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
84	Nanosecond Two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		0
85	Fully automated 1.5 MHz FDML laser with 100 mW output power at 1310 nm. , 2015, , .		2
86	FDML (incl. Parallelization). , 2015, , 741-787.		0
87	Time-Encoded Raman scattering (TICO-Raman) with Fourier Domain Mode Locked (FDML) Lasers. , 2015, , .		0
88	High Definition In Vivo Retinal Volumetric Video Rate OCT at 0.6 Giga-Voxels per Second. , 2015, , .		0
89	Optical Coherence Tomography Guided Laser Cochleostomy: Towards the Accuracy on Tens of Micrometer Scale. BioMed Research International, 2014, 2014, 1-10.	1.9	26
90	Hyperspectral Stimulated Raman Microscopy with Fiber-based, Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0

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91	Broadband, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0
92	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
93	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
94	Picosecond pulses from wavelength-swept continuous-wave Fourier domain mode-locked lasers. Nature Communications, 2013, 4, 1848.	12.8	48
95	Retinal polarization-sensitive optical coherence tomography at 1060Ânm with 350ÂkHz A-scan rate using an Fourier domain mode locked laser. Journal of Biomedical Optics, 2013, 18, 026008.	2.6	29
96	History compounding: a novel speckle reduction technique for OCT guided cochleostomy. Proceedings of SPIE, 2013, , .	0.8	0
97	Ultrahigh-speed intravascular optical coherence tomography imaging at 3200 frames per second. Proceedings of SPIE, 2013, , .	0.8	1
98	Intravascular optical coherence tomography imaging at 3200 frames per second. Optics Letters, 2013, 38, 1715.	3.3	103
99	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
100	Multi-MHz retinal OCT. Biomedical Optics Express, 2013, 4, 1890.	2.9	200
101	Joint aperture detection for speckle reduction and increased collection efficiency in ophthalmic MHz OCT. Biomedical Optics Express, 2013, 4, 619.	2.9	59
102	FDML Raman: New high resolution SRS with ultra broadband spectral coverage. , 2013, , .		0
103	Picosecond pulses from a Fourier domain mode locked (FDML) laser. , 2013, , .		0
104	Choriocapillaris and Choroidal Microvasculature Imaging with Ultrahigh Speed OCT Angiography. PLoS ONE, 2013, 8, e81499.	2.5	289
105	FDML Raman: High Speed, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept Lasers. , 2013, , .		0
106	In situ structural and microangiographic assessment of human skin lesions with high-speed OCT. Biomedical Optics Express, 2012, 3, 2636.	2.9	133
107	Extended coherence length megahertz FDML and its application for anterior segment imaging. Biomedical Optics Express, 2012, 3, 2647.	2.9	91
108	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

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109	Balance of physical effects causing stationary operation of Fourier domain mode-locked lasers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 656.	2.1	37
110	Chromatic polarization effects of swept waveforms in FDML lasers and fiber spools. Optics Express, 2012, 20, 9819.	3.4	28
111	Ultrahigh-speed non-invasive widefield angiography. Journal of Biomedical Optics, 2012, 17, 0705051.	2.6	99
112	Intrasweep phase-sensitive optical coherence tomography for noncontact optical photoacoustic imaging. Optics Letters, 2012, 37, 4368.	3.3	42
113	High-speed polarization-sensitive OCT at 1060 nm using a Fourier domain mode-locked swept source. Proceedings of SPIE, 2012, , .	0.8	1
114	Simultaneous dark-bright field swept source OCT for ultrasound detection. , 2012, , .		1
115	Broadband Fourier domain mode-locked laser for optical coherence tomography at 1060 nm. Proceedings of SPIE, 2012, , .	0.8	8
116	Picosecond pulses from an FDML laser. , 2012, , .		0
117	Coherence length extension of Fourier domain mode locked lasers. , 2012, , .		2
118	Multi-MHz FDML OCT: snapshot retinal imaging at 6.7 million axial-scans per second. Proceedings of SPIE, 2012, , .	0.8	12
119	Deep skin structural and microcirculation imaging with extended-focus OCT. Proceedings of SPIE, 2012, , .	0.8	0
120	Multi-MHz retinal OCT imaging using an FDML laser. , 2012, , .		3
121	Extended Coherence Range Megahertz FDML Laser for Imaging the Human Anterior Segment. , 2012, , .		0
122	High-speed polarization-sensitive optical coherence tomography (PS-OCT) at 1060 nm. , 2012, , .		0
123	Dispersion Compensated Megahertz FDML Laser for Imaging of the Anterior Segment. , 2012, , .		0
124	Megahertz OCT for ultrawide-field retinal imaging with a 1050nm Fourier domain mode-locked laser. Optics Express, 2011, 19, 3044.	3.4	349
125	Instantaneous lineshape analysis of Fourier domain mode-locked lasers. Optics Express, 2011, 19, 8802.	3.4	47
126	Extended focus high-speed swept source OCT with self-reconstructive illumination. Optics Express, 2011, 19, 12141.	3.4	82

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127	Extended coherence length Fourier domain mode locked lasers at 1310 nm. Optics Express, 2011, 19, 20930.	3.4	71
128	FDML laser for megahertz retinal OCT imaging. , 2011, , .		0
129	High-speed functional OCT with self-reconstructive Bessel illumination at 1300 nm. , 2011, , .		3
130	Structural and functional imaging with extended focus dark-field OCT at 1300nm. , 2011, , .		2
131	Wavelength swept amplified spontaneous emission source for high speed retinal optical coherence tomography at 1060 nm. Journal of Biophotonics, 2011, 4, 552-558.	2.3	21
132	Picosecond pulses from an FDML laser. , 2011, , .		0
133	Multi-Megahertz OCT: Technology, recent developments and advantages. , 2011, , .		0
134	Linewidth Optimization of Fourier Domain Mode-Locked Lasers. , 2010, , .		1
135	High-power FDML laser for swept source-OCT at 1060 nm. , 2010, , .		1
136	FDML swept source at 1060 nm using a tapered amplifier. Proceedings of SPIE, 2010, , .	0.8	0
137	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
138	Fourier domain mode-locked swept source â€˜at 1050 nm based on a tapered amplifier. Optics Express, 2010, 18, 15820.	3.4	74
139	Direct measurement of the instantaneous linewidth of rapidly wavelength-swept lasers. Optics Letters, 2010, 35, 3733.	3.3	45
140	High-Quality 3-D Imaging with Multimegahertz OCT. Optics and Photonics News, 2010, 21, 28.	0.5	16
141	Analysis of the Optical Dynamics in Fourier Domain Mode-Locked Lasers. , 2010, , .		0
142	Multimegahertz Optical Coherence Tomography: High Quality Biomedical Imaging beyond 1 Million A-Scans per Second. , 2010, , .		0
143	Dispersion, coherence and noise of Fourier Domain Mode Locked (FDML) lasers. , 2009, , .		0
144	Advances in Fourier domain OCT. , 2009, , .		0

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145	Wavelength swept ASE source. Proceedings of SPIE, 2009, , .	0.8	0
146	Fourier domain mode locked (FDML) lasers for polarization sensitive OCT. , 2009, , .		2
147	Recent developments in Fourier Domain Mode Locked lasers for optical coherence tomography: Imaging at 1310 nm vs. 1550 nm wavelength. Journal of Biophotonics, 2009, 2, 357-363.	2.3	38
148	Subharmonic Fourier domain mode locking. Optics Letters, 2009, 34, 725.	3.3	22
149	Dispersion, coherence and noise of Fourier domain mode locked lasers. Optics Express, 2009, 17, 9947.	3.4	141
150	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
151	Nonlinear optical frequency conversion of an amplified Fourier Domain Mode Locked (FDML) laser. Optics Express, 2009, 17, 16801.	3.4	15
152	A 75 MHz Light Source for Femtosecond Stimulated Raman Microscopy. Optics Express, 2009, 17, 18612.	3.4	42
153	Wavelength swept amplified spontaneous emission source. Optics Express, 2009, 17, 18794.	3.4	25
154	Ultra-rapid dispersion measurement â€¨in optical fibers. Optics Express, 2009, 17, 22871.	3.4	25
155	A theoretical description of Fourier domain mode locked lasers. Optics Express, 2009, 17, 24013.	3.4	68
156	State-of-the-art and future of ultrahigh speed OCT. , 2009, , .		0
157	Swept source OCT imaging of human anterior segment at 200 kHz. , 2009, , .		1
158	Fourier domain mode locking: new lasers for optical coherence tomography. SPIE Newsroom, 2009, , .	0.1	0
159	Fourier Domain Mode Locking (FDML): A New Laser Operating Regime and Applications for Biomedical Imaging, Profilometry, Ranging and Sensing. , 2009, , .		1
160	Wavelength swept ASE source. , 2009, , .		0
161	Fourier Domain Mode Locked (FDML) Lasers for Polarization Sensitive OCT. , 2009, , .		0
162	Fourier Domain Modelocking (FDML): Rapidly Wavelength Swept Lasers for High Speed Optical Coherence Tomography (OCT). , 2009, , .		0

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163	High-resolution optical coherence tomography imaging of the living kidney. Laboratory Investigation, 2008, 88, 441-449.	3.7	65
164	Real time en face Fourier-domain optical coherence tomography with direct hardware frequency demodulation. Optics Letters, 2008, 33, 2556.	3.3	72
165	Raman-pumped Fourier-domain mode-locked laser: analysis of operation and application for optical coherence tomography. Optics Letters, 2008, 33, 2815.	3.3	54
166	Improved spectral optical coherence tomography using optical frequency comb. Optics Express, 2008, 16, 4163.	3.4	121
167	Photothermal detection of gold nanoparticles using phase-sensitive optical coherence tomography. Optics Express, 2008, 16, 4376.	3.4	234
168	K-space linear Fourier domain mode locked laser and applications for optical coherence tomography. Optics Express, 2008, 16, 8916.	3.4	148
169	In vivo endomicroscopy using three-dimensional optical coherence tomography and Fourier domain mode locked lasers. Proceedings of SPIE, 2008, , .	0.8	3
170	Optical coherence tomography imaging with k-space linear Fourier Domain Mode Locked lasers. , 2008, , .		1
171	Ultrahigh-Speed Optical Coherence Tomography for Three-Dimensional and En Face Imaging of the Retina and Optic Nerve Head. , 2008, 49, 5103.		283
172	Fourier domain mode locking theory. , 2008, , .		1
173	Three-Dimensional Endoscopic Optical Coherence Tomography (OCT) using Fourier Domain Mode Locked (FDML) Lasers. , 2008, , .		1
174	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
175	Fourier domain mode-locked (FDML) lasers at 1050 nm and 202,000 sweeps per second for OCT retinal imaging. , 2007, 6429, 33.		1
176	High-speed high-resolution OCT imaging of the retina with frequency swept lasers at 850 nm. , 2007, , .		0
177	Phase-sensitive optical coherence tomography using buffered Fourier domain mode-locked lasers at up to 370,000 scans per second. , 2007, , .		0
178	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
179	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
180	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

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181	Swept source optical coherence microscopy using a Fourier domain mode-locked laser. Optics Express, 2007, 15, 6210.	3.4	94
182	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
183	High speed engine gas thermometry by Fourier-domain mode-locked laser absorption spectroscopy. Optics Express, 2007, 15, 15115.	3.4	131
184	Comparison of three-dimensional optical coherence tomography and high resolution photography for art conservation studies. Optics Express, 2007, 15, 15972.	3.4	67
185	Optical Coherence Tomography Phase Microscopy Using Buffered Fourier Domain Mode Locked (FDML) Lasers at up to 370,000 Lines per Second. , 2007, , .		0
186	Wavelength-agile H2O absorption spectrometer for thermometry of general combustion gases. Proceedings of the Combustion Institute, 2007, 31, 783-790.	3.9	62
187	Three-dimensional endomicroscopy using optical coherence tomography. Nature Photonics, 2007, 1, 709-716.	31.4	296
188	Limiting ischemia by fast Fourier-domain imaging. , 2007, , 273-282.		3
189	First Steps of Retinal Photoisomerization in Proteorhodopsin. Biophysical Journal, 2006, 91, 255-262.	0.5	74
190	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
191	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
192	Fourier domain mode-locked lasers for swept source OCT imaging at up to 290 kHz scan rates. , 2006, , .		2
193	Fourier Domain Mode Locking (FDML): Three-dimensional OCT imaging at 906 frames per second. , 2006, , .		0
194	High-speed frequency swept light source for Fourier domain OCT at 20 kHz A-scan rate. , 2005, , .		8
195	Three dimensional waveguide splitters fabricated in glass using a femtosecond laser oscillator. , 2005, , .		0
196	pH-Dependent Photoisomerization of Retinal in Proteorhodopsin. Biochemistry, 2005, 44, 1800-1806.	2.5	72
197	Amplified, frequency swept lasers for frequency domain reflectometry and OCT imaging: design and scaling principles. Optics Express, 2005, 13, 3513.	3.4	479
198	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

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199	A Fast Photoswitch for Minimally Perturbed Peptides:Â Investigation of the trans â†' cis Photoisomerization ofN-Methylthioacetamide. Journal of the American Chemical Society, 2004, 126, 8823-8834.	13.7	79
200	<title>Beyond vibrationally mediated electron transfer: interfacial charge injection on a sub-10-fs time scale</title>. , 2003, 5223, 121.		3
201	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
202	Ultrafast Phenomena XIII. Springer Series in Chemical Physics, 2003, , .	0.2	8
203	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
204	Observation of photoinduced electron transfer in dye/semiconductor colloidal systems with different coupling strengths. Chemical Physics, 2002, 285, 39-45.	1.9	43
205	Photoinduced electron transfer in dye/semiconductor systems on a sub-10-fs time scale. , 2002, , .		0
206	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
207	Surface States Control Ultrafast Electron Injection in Dye/Semiconductor Colloidal Systems. Springer Series in Chemical Physics, 2001, , 456-458.	0.2	2
208	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
209	Surface defect states control ultrafast electron injection in dye/semiconductor colloidal systems. , 2000, , .		0
210	Ultrafast photoinduced electron transfer in coumarin 343 sensitized TiO2-colloidal solution. International Journal of Photoenergy, 1999, 1, 153-155.	2.5	31
211	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
212	High-speed, amplified, frequency swept laser at 20 kHz sweep rates for OCT imaging. , 0, , .		0