

Martin Baumgartl

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,020
citations

471509

17
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber-based light sources for biomedical applications of coherent anti-Stokes Raman scattering microscopy. <i>Laser and Photonics Reviews</i> , 2015, 9, 435-451.	8.7	61
2	Fiber-based optical parametric oscillator for high resolution coherent anti-Stokes Raman scattering (CARS) microscopy. <i>Optics Express</i> , 2014, 22, 21921.	3.4	43
3	Expanding Multimodal Microscopy by High Spectral Resolution Coherent Anti-Stokes Raman Scattering Imaging for Clinical Disease Diagnostics. <i>Analytical Chemistry</i> , 2013, 85, 6703-6715.	6.5	55
4	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. <i>Analyst, The</i> , 2013, 138, 4048.	3.5	44
5	Analysis of passively combined divided-pulse amplification as an energy-scaling concept. <i>Optics Express</i> , 2013, 21, 29031.	3.4	40
6	All-fiber laser source for CARS-microscopy. , 2013, , .		0
7	Fiber based optical parametric oscillator for high fidelity coherent anti-stokes Raman (CARS) microscopy. , 2013, , .		1
8	Fiber-based source for multiplex-CARS microscopy based on degenerate four-wave mixing. <i>Optics Express</i> , 2012, 20, 12004.	3.4	36
9	Alignment-free, all-spliced fiber laser source for CARS microscopy based on four-wave-mixing. <i>Optics Express</i> , 2012, 20, 21010.	3.4	78
10	Widely tuneable fiber optical parametric amplifier for coherent anti-Stokes Raman scattering microscopy. <i>Optics Express</i> , 2012, 20, 26583.	3.4	63
11	66-W average power from a microjoule-class sub-100-fs fiber oscillator. <i>Optics Letters</i> , 2012, 37, 1640.	3.3	54
12	All-fiber laser source for CARS microscopy based on fiber optical parametric frequency conversion. <i>Optics Express</i> , 2012, 20, 4484.	3.4	98
13	Impact of dispersion on pulse dynamics in chirped-pulse fiber lasers. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 263-274.	2.2	20
14	On the mode-locking mechanism of a dissipative- soliton fiber oscillator. <i>Optics Express</i> , 2011, 19, 26742.	3.4	36
15	High average and peak power femtosecond large-pitch photonic-crystal-fiber laser. <i>Optics Letters</i> , 2011, 36, 244.	3.3	62
16	Ultrashort pulse formation and evolution in mode-locked fiber lasers. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 523-536.	2.2	9
17	High power 100fs fiber oscillator. , 2011, , .		0
18	The influence of index-depressions in core-pumped Yb-doped large pitch fibers. <i>Optics Express</i> , 2010, 18, 26834.	3.4	85

#	ARTICLE	IF	CITATIONS
19	Sub-80 fs dissipative soliton large-mode-area fiber laser. Optics Letters, 2010, 35, 2311.	3.3	59
20	High-energy femtosecond photonic crystal fiber laser. Optics Letters, 2010, 35, 3156.	3.3	55
21	Approaching microjoule-level pulse energy with mode-locked femtosecond fiber lasers. Optics Letters, 2009, 34, 1585.	3.3	121