

# Martin Baumgartl

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4467525/publications.pdf>

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	Approaching microjoule-level pulse energy with mode-locked femtosecond fiber lasers. Optics Letters, 2009, 34, 1585.	3.3	121
2	All-fiber laser source for CARS microscopy based on fiber optical parametric frequency conversion. Optics Express, 2012, 20, 4484.	3.4	98
3	The influence of index-depressions in core-pumped Yb-doped large pitch fibers. Optics Express, 2010, 18, 26834.	3.4	85
4	Alignment-free, all-spliced fiber laser source for CARS microscopy based on four-wave-mixing. Optics Express, 2012, 20, 21010.	3.4	78
5	Widely tuneable fiber optical parametric amplifier for coherent anti-Stokes Raman scattering microscopy. Optics Express, 2012, 20, 26583.	3.4	63
6	High average and peak power femtosecond large-pitch photonic-crystal-fiber laser. Optics Letters, 2011, 36, 244.	3.3	62
7	Fiber-based light sources for biomedical applications of coherent anti-Stokes Raman scattering microscopy. Laser and Photonics Reviews, 2015, 9, 435-451.	8.7	61
8	Sub-80 fs dissipative soliton large-mode-area fiber laser. Optics Letters, 2010, 35, 2311.	3.3	59
9	High-energy femtosecond photonic crystal fiber laser. Optics Letters, 2010, 35, 3156.	3.3	55
10	Expanding Multimodal Microscopy by High Spectral Resolution Coherent Anti-Stokes Raman Scattering Imaging for Clinical Disease Diagnostics. Analytical Chemistry, 2013, 85, 6703-6715.	6.5	55
11	66-W average power from a microjoule-class sub-100-fs fiber oscillator. Optics Letters, 2012, 37, 1640.	3.3	54
12	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. Analyst, The, 2013, 138, 4048.	3.5	44
13	Fiber-based optical parametric oscillator for high resolution coherent anti-Stokes Raman scattering (CARS) microscopy. Optics Express, 2014, 22, 21921.	3.4	43
14	Analysis of passively combined divided-pulse amplification as an energy-scaling concept. Optics Express, 2013, 21, 29031.	3.4	40
15	On the mode-locking mechanism of a dissipative- soliton fiber oscillator. Optics Express, 2011, 19, 26742.	3.4	36
16	Fiber-based source for multiplex-CARS microscopy based on degenerate four-wave mixing. Optics Express, 2012, 20, 12004.	3.4	36
17	Impact of dispersion on pulse dynamics in chirped-pulse fiber lasers. Applied Physics B: Lasers and Optics, 2012, 107, 263-274.	2.2	20
18	Ultrashort pulse formation and evolution in mode-locked fiber lasers. Applied Physics B: Lasers and Optics, 2011, 104, 523-536.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Fiber based optical parametric oscillator for high fidelity coherent anti-stokes Raman (CARS) microscopy. , 2013, , .		1
20	High power 100fs fiber oscillator. , 2011, , .		0
21	All-fiber laser source for CARS-microscopy. , 2013, , .		0