

Matthias Eibl

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

290
citations

1040056

9
h-index

1199594

12
g-index

31
all docs

31
docs citations

31
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-encoded stimulated Raman scattering microscopy of tumorous human pharynx tissue in the fingerprint region from 1500â€“1800â€“cm ⁻¹ . Optics Letters, 2021, 46, 3456.	3.3	5
2	Live video rate volumetric OCT imaging of the retina with multi-MHz A-scan rates. PLoS ONE, 2019, 14, e0213144.	2.5	39
3	Sub-Nanosecond Pulsed Fiber Laser for 532nm Two-Photon Excitation Fluorescence (TPEF) Microscopy of UV Transitions. , 2019, , .		0
4	Virtual HE histology by fiber-based picosecond two-photon microscopy. , 2019, , .		1
5	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 1050Ånm. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 289-298.	1.9	11
6	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
7	Wavelength agile multi-photon microscopy with a fiber amplified diode laser. Biomedical Optics Express, 2018, 9, 6273.	2.9	3
8	Two-photon-excited fluorescence (TPEF) and fluorescence lifetime imaging (FLIM) with sub-nanosecond pulses and a high analog bandwidth signal detection. , 2017, , .		1
9	Pulse-to-pulse wavelength switching of diode based fiber laser for multi-color multi-photon imaging. , 2017, , .		0
10	Sparse-sampling with time-encoded (TICO) stimulated Raman scattering for fast image acquisition. , 2017, , .		0
11	Single pulse two photon fluorescence lifetime imaging (SP-FLIM) with MHz pixel rate. Biomedical Optics Express, 2017, 8, 3132.	2.9	27
12	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
13	Shot-Noise Limited Time-Encoded Raman Spectroscopy. Journal of Spectroscopy, 2017, 2017, 1-6.	1.3	10
14	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
15	Flexible A-scan rate MHz OCT: computational downscaling by coherent averaging. , 2016, , .		4
16	Two-photon microscopy using fiber-based nanosecond excitation. Biomedical Optics Express, 2016, 7, 2432.	2.9	31
17	4D megahertz optical coherence tomography (OCT): imaging and live display beyond 1 gigavoxel/sec (Conference Presentation). , 2016, , .		2
18	Megahertz FDML laser with up to 143nm sweep range for ultrahigh resolution OCT at 1050nm. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Nanosecond two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		3
20	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
21	Time-encoded Raman scattering (TICO-Raman) with Fourier domain mode locked (FDML) lasers. , 2015, , .		0
22	A Time-Encoded Technique for fibre-based hyperspectral broadband stimulated Raman microscopy. Nature Communications, 2015, 6, 6784.	12.8	82
23	Hyperspectral stimulated Raman microscopy with two fiber laser sources. , 2015, , .		0
24	Nanosecond Two-photon excitation fluorescence imaging with a multi color fiber MOPA laser. , 2015, , .		0
25	Time-Encoded Raman scattering (TICO-Raman) with Fourier Domain Mode Locked (FDML) Lasers. , 2015, , .		0
26	Hyperspectral Stimulated Raman Microscopy with Fiber-based, Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0
27	Broadband, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept cw-Lasers. , 2014, , .		0
28	FDML Raman: New high resolution SRS with ultra broadband spectral coverage. , 2013, , .		0
29	FDML Raman: High Speed, High Resolution Stimulated Raman Spectroscopy with Rapidly Wavelength Swept Lasers. , 2013, , .		0
30	3D optical coherence tomography for clinical diagnosis of nonmelanoma skin cancers. Imaging in Medicine, 2011, 3, 653-674.	0.0	15