

Tomáš Pílek

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

134
citations

1307594

7
h-index

1474206

9
g-index

19
all docs

19
docs citations

19
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-free CARS microscopy through a multimode fiber endoscope. Optics Express, 2019, 27, 30055.	3.4	54
2	Polarization-resolved second-harmonic generation imaging through a multimode fiber. Optica, 2021, 8, 1065.	9.3	17
3	Wavelength dependent characterization of a multimode fibre endoscope. Optics Express, 2019, 27, 28239.	3.4	15
4	Detection techniques in low-coherence interferometry and their impact on overall measurement accuracy. Applied Optics, 2014, 53, 8463.	2.1	13
5	Air refractive index measurement using low-coherence interferometry. Applied Optics, 2015, 54, 5024.	2.1	11
6	Side-view holographic endomicroscopy via a custom-terminated multimode fibre. Optics Express, 2021, 29, 23083.	3.4	10
7	Determination of elastic parameters of Si3N4 thin films by means of a numerical approach and bulge tests. Thin Solid Films, 2019, 672, 66-74.	1.8	8
8	Suppression of the non-linear background in a multimode fibre CARS endoscope. Biomedical Optics Express, 2022, 13, 862.	2.9	3
9	System for automatic gauge block length measurement optimized for secondary length metrology. Precision Engineering, 2017, 49, 322-331.	3.4	1
10	Towards focusing broad band light through a multimode fiber endoscope. , 2019, , .		1
11	Coherent anti-Stokes Raman scattering microscopy through a multimode fiber endoscope. , 2020, , .		1
12	Phase and group refractive indices of air calculation by fitting of phase difference measured using a combination of laser and low-coherence interferometry. Proceedings of SPIE, 2017, , .	0.8	0
13	Non-linear label-free imaging through a multimode graded index optical fibre. EPJ Web of Conferences, 2020, 238, 04006.	0.3	0
14	Automatic system for gauge block calibration optimized to meet legal length metrology requirements. Proceedings of SPIE, 2016, , .	0.8	0
15	Using spatial light modulator for correction of wavefront reflected from optically rough surface. , 2018, , .		0
16	Label-free non-linear imaging through a multimode fiberendoscope. , 2020, , .		0
17	Excitation Polarization Resolved Second Harmonic Generation Microscopy Through a Multimode Optical Fiber. , 2021, , .		0
18	Suppressing the Non-linear Fiber Background in Multimode Fiber Endoscopy. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	CARS Microscopy Through a Multimode Fiber Probe with Reduced Four-Wave Mixing Background. , 2022, , .		0