Olivier Hugon

List of Publications by Year
in descending order

22 papers	267 citations	1040056 9 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	183 citing authors

#	Article	IF	Citations
1	Vascular bifurcation mapping with photoacoustic microscopy. Biomedical Optics Express, 2020, 11, 1298.	2.9	3
2	Photo-acoustic tomography based on laser optical feedback imaging of surface displacements. Applied Optics, 2019, 58, 7195.	1.8	6
3	Multi-wavelength photo-acoustic microscopy in the frequency domain for simultaneous excitation and detection of dyes. Biomedical Optics Express, 2019, 10, 932.	2.9	8
4	Ultrasound vibration measurements based on laser optical feedback imaging. Applied Optics, 2018, 57, 7634.	1.8	11
5	Prediction performance of reservoir computing systems based on a diode-pumped erbium-doped microchip laser subject to optical feedback. Optics Letters, 2017, 42, 375.	3.3	46
6	Nonlinear modification of the laser noise power spectrum induced by frequency-shifted optical feedback. Physical Review A, 2016, 94, .	2.5	18
7	Nonlinear laser dynamics induced by frequency shifted optical feedback: application to vibration measurements. Applied Optics, 2016, 55, 9638.	2.1	6
8	Control of the differential interference contrast in reinjected bimode laser. Applied Optics, 2015, 54, 9763.	2.1	2
9	Laser optical feedback imaging controlled by an electronic feedback loop. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2205.	1.5	0
10	Demonstration of a plenoptic microscope based on laser optical feedback imaging. Optics Express, 2013, 21, 7294.	3.4	22
11	Optimization of an autodyne laser interferometer for high-speed confocal imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 60.	1.5	2
12	Sensitivity of synthetic aperture laser optical feedback imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 476.	1.5	6
13	Synthetic aperture laser optical feedback imaging using a translational scanning with galvanometric mirrors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1639.	1.5	9
14	Limitations of synthetic aperture laser optical feedback imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2247.	1.5	2
15	Experimental comparison of autodyne and heterodyne laser interferometry using an Nd:YVO_4 microchip laser. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1741.	1.5	15
16	Comparative study of autodyne and heterodyne laser interferometry for imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2450.	1.5	30
17	Two-dimensional synthetic aperture laser optical feedback imaging using galvanometric scanning. Applied Optics, 2008, 47, 860.	2.1	8
18	Resolution of a synthetic aperture laser optical feedback imaging using a galvanometric scanning. Applied Optics, 2008, 47, 4025.	2.1	2

#	Article	IF	Citations
19	Phase sensitive optical near-field mapping using frequency-shifted laser optical feedback interferometry. Optics Express, 2008, 16, 11718.	3.4	27
20	Laser optical feedback imaging insensitive to parasitic optical feedback. Applied Optics, 2007, 46, 6779.	2.1	9
21	Synthetic aperture laser optical feedback imaging using galvanometric scanning. Optics Letters, 2006, 31, 3031.	3.3	16
22	Large linewidth-enhancement factor in a microchip laser. Physical Review A, 2004, 70, .	2.5	19