Denis Lebrun

List of Publications by Year
in descending order

19 papers	496 citations	840776 11 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	308 citing authors

#	Article	IF	Citations
1	Application of wavelet transform to hologram analysis: three-dimensional location of particles. Optics and Lasers in Engineering, 2000, 33, 409-421.	3.8	130
2	Particle field digital holographic reconstruction in arbitrary tilted planes. Optics Express, 2003, 11, 224.	3.4	54
3	Application of in-line digital holography to multiple plane velocimetry. Measurement Science and Technology, 2001, 12, 1392-1397.	2.6	48
4	Enhancement of wire diameter measurements: comparison between Fraunhofer diffraction and Lorenzâ€Mie theory. Optical Engineering, 1996, 35, 946.	1.0	38
5	Micropipe flow visualization using digital in-line holographic microscopy. Optics Express, 2010, 18, 7807.	3.4	38
6	Holography and micro-holography of particle fields: A numerical standard. Optics Communications, 2012, 285, 3013-3020.	2.1	33
7	3D boundary line measurement of irregular particle with digital holography. Powder Technology, 2016, 295, 96-103.	4.2	31
8	Size determination of mixed liquid and frozen water droplets using interferometric out-of-focus imaging. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 108-116.	2.3	25
9	On the measurements of particles by imaging methods: Theoretical and Experimental Aspects. Particle and Particle Systems Characterization, 1996, 13, 156-164.	2.3	22
10	Simultaneous measurement of 3D velocity and 2D rotation of irregular particle with digital holographic particle tracking velocimetry. Powder Technology, 2015, 284, 371-378.	4.2	19
11	Digital in-line particle holography: twin-image suppression using sparse blind source separation. Signal, Image and Video Processing, 2015, 9, 1767-1774.	2.7	19
12	Recovering the size of nanoparticles by digital in-line holography. Optics Express, 2015, 23, 18351.	3.4	9
13	Intrinsic spatial shift of local focus metric curves in digital inline holography for accurate 3D morphology measurement of irregular micro-objects. Applied Physics Letters, 2016, 109, 121903.	3.3	9
14	Fractional-order Fourier series expansion for the analysis of chirped pulses. Optics Communications, 2005, 249, 145-152.	2.1	8
15	A new wavelet-based reconstruction algorithm for twin image removal in digital in-line holography. Optics and Lasers in Engineering, 2016, 82, 159-172.	3.8	6
16	Numerical Models for Exact Description of in-situ Digital In-Line Holography Experiments with Irregularly-Shaped Arbitrarily-Located Particles. Applied Sciences (Switzerland), 2015, 5, 62-76.	2.5	4
17	Tensor ABCD law for misaligned inline particle holography of inclusions in a host droplet. Applied Optics, 2017, 56, 1526.	2.1	2
18	Some Progress on Interferometry Techniques Applied to Particle Measurements. Procedia Engineering, 2015, 102, 54-63.	1.2	1

#	Article	IF	Citations
19	Optical limiting by digital restoration of defocused images. Optics Communications, 2002, 208, 25-29.	2.1	0