

Chenggen Quan

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,040
citations

566801

15
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414034

32
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42
all docs

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docs citations

42
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental verification of full-field accuracy in stereo-DIC based on ESPI method. <i>Applied Optics</i> , 2022, 61, 1539-1544.	0.9	1
2	Measurement of natural frequencies and mode shapes of transparent insect wings using common-path ESPI. <i>Optics Express</i> , 2022, 30, 18447.	1.7	2
3	A robust fault diagnosis approach for large-scale production process. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 170, 108737.	2.5	3
4	Quality assessment of digital speckle patterns for the single-shot speckle projection profilometry based on a visualised simulation platform. <i>Optics and Lasers in Engineering</i> , 2021, 141, 106571.	2.0	2
5	Cryptoanalysis and enhancement of a binary image encryption system based on interference. <i>Applied Optics</i> , 2021, 60, 8038.	0.9	2
6	The optical image compression and encryption method based on Fresnel diffraction and discrete wavelet transform. <i>Results in Optics</i> , 2020, 1, 100021.	0.9	6
7	Optical cryptosystem model based on the keyspace transformation. <i>Optics Communications</i> , 2020, 462, 125347.	1.0	3
8	Cryptoanalysis of the modified diffractive-imaging-based image encryption by deep learning attack. <i>Journal of Modern Optics</i> , 2020, 67, 1398-1409.	0.6	4
9	Online fringe pitch selection for defocusing a binary square pattern projection phase-shifting method. <i>Optics Express</i> , 2020, 28, 30710.	1.7	10
10	Security Analysis on an Optical Encryption and Authentication Scheme Based on Phase-Truncation and Phase-Retrieval Algorithm. <i>IEEE Photonics Journal</i> , 2019, 11, 1-14.	1.0	11
11	Optical voice information hiding using enhanced iterative algorithm and computational ghost imaging. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 065704.	1.0	17
12	A Cost-Effective Single-Shot Structured Light System for 3D Shape Measurement. <i>IEEE Sensors Journal</i> , 2019, 19, 7335-7346.	2.4	24
13	A Novel Stereo Vision Measurement System Using Both Line Scan Camera and Frame Camera. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 3563-3575.	2.4	27
14	A Single Color Camera Stereo Vision System. <i>IEEE Sensors Journal</i> , 2018, 18, 1474-1482.	2.4	13
15	A novel phase retrieval method in fringe projection based on phase-shifting algorithm. <i>Journal of Optics (India)</i> , 2018, 47, 534-541.	0.8	4
16	An effective assessment method for absolute phase retrieval in digital fringe projection profilometry. <i>Measurement Science and Technology</i> , 2018, 29, 085006.	1.4	1
17	Asymmetric optical image encryption using Kolmogorov phase screens and equal modulus decomposition. <i>Optical Engineering</i> , 2017, 56, 1.	0.5	11
18	Hyper thin 3D edge measurement of honeycomb core structures based on the triangular camera-projector layout & phase-based stereo matching. <i>Optics Express</i> , 2016, 24, 5502.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Acceleration of e-beam lithography by minimized resist exposure for large scale nanofabrication. <i>Microelectronic Engineering</i> , 2016, 166, 31-38.	1.1	3
20	Improved method of attack on an asymmetric cryptosystem based on phase-truncated Fourier transform. <i>Applied Optics</i> , 2015, 54, 6874.	2.1	55
21	A method to transfer speckle patterns for digital image correlation. <i>Measurement Science and Technology</i> , 2015, 26, 095201.	1.4	73
22	HAMR Media Design in Optical and Thermal Aspects. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 2559-2564.	1.2	19
23	A new S-shaped MEMS PZT cantilever for energy harvesting from low frequency vibrations below 30ÅHz. <i>Microsystem Technologies</i> , 2012, 18, 497-506.	1.2	130
24	Piezoelectric MEMS Energy Harvester for Low-Frequency Vibrations With Wideband Operation Range and Steadily Increased Output Power. <i>Journal of Microelectromechanical Systems</i> , 2011, 20, 1131-1142.	1.7	327
25	A scrape-through piezoelectric MEMS energy harvester with frequency broadband and up-conversion behaviors. <i>Microsystem Technologies</i> , 2011, 17, 1747-1754.	1.2	57
26	A MEMS-based wideband piezoelectric energy harvester system using mechanical stoppers. , 2011, , .		1
27	3D Profile Simulation of Metal Nanostructures Obtained by Closely Packed Nanosphere Lithography. <i>Plasmonics</i> , 2010, 5, 141-148.	1.8	8
28	Development of a Sensor for Layered Micro-component Measurement Using White Light Interferometry. , 2010, , .		0
29	Wafer-level BCB bonding using a thermal press for microfluidics. <i>Microsystem Technologies</i> , 2009, 15, 573-580.	1.2	14
30	Determination of three-dimensional displacement using two-dimensional digital image correlation. <i>Applied Optics</i> , 2008, 47, 583.	2.1	29
31	Temporal phase retrieval from a complex field in digital holographic interferometry. <i>Optics Letters</i> , 2007, 32, 1602.	1.7	15
32	OS5-3-3 Warpage measurement of a LCD chip using projection speckle correlation method and microscopic interferometry. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2007, 2007.6, OS5-3-3-1- OS5-3-3-6.	0.0	0
33	Surface contouring by optical edge projection based on a continuous wavelet transform. <i>Applied Optics</i> , 2006, 45, 4815.	2.1	0
34	An optical shadowgraph microscope for a semiconductor wafer bump height measurement. <i>Review of Scientific Instruments</i> , 2005, 76, 046103.	0.6	0
35	Fringe-density estimation by continuous wavelet transform. <i>Applied Optics</i> , 2005, 44, 2359.	2.1	21
36	Profiling of objects with height steps by wavelet analysis of shadow moirÅ© fringes. <i>Applied Optics</i> , 2005, 44, 3284.	2.1	14

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37	Phase extraction from a single fringe pattern based on guidance of an extreme map. Applied Optics, 2005, 44, 4814.	2.1	50
38	Shape measurement by use of liquid-crystal display fringe projection with two-step phase shifting. Applied Optics, 2003, 42, 2329.	2.1	47
39	Spatial-fringe-modulation-based quality map for phase unwrapping. Applied Optics, 2003, 42, 7060.	2.1	22
40	OS1(4)-17(OS01W0437) Micro-Components Evaluation Using Optical Techniques. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 147.	0.0	0
41	OS01W0437 Micro-components evaluation using optical techniques. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, _OS01W0437-_OS01W0437.	0.0	0
42	OS01W0438 Phase shifting technique for closed-fringe analysis by Fourier transform method. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, _OS01W0438-_OS01W0438.	0.0	0