

Bahram Javidi

List of Publications by Year in descending order

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Version: 2024-02-01

409
papers

22,300
citations

9264

74
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11939

134
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416
all docs

416
docs citations

416
times ranked

4526
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning-Based Phenotypic Assessment of Red Cell Storage Lesions for Safe Transfusions. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1318-1328.	6.3	6
2	Focus issue introduction: 3D image acquisition and display: technology, perception and applications. Optics Express, 2022, 30, 4655.	3.4	2
3	Lowlight object recognition by deep learning with passive three-dimensional integral imaging in visible and long wave infrared wavelengths. Optics Express, 2022, 30, 1205.	3.4	11
4	COVID-19 detection from red blood cells using highly comparative time-series analysis (HCTSA) in digital holographic microscopy. Optics Express, 2022, 30, 1723.	3.4	19
5	Integrated self-referencing single shot digital holographic microscope and optical tweezer. , 2022, 3, 1.		1
6	Estimation of Degree of Polarization in Low Light Using Truncated Poisson Distribution. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	1
7	Novel Density Poincaré Plot Based Machine Learning Method to Detect Atrial Fibrillation From Premature Atrial/Ventricular Contractions. IEEE Transactions on Biomedical Engineering, 2021, 68, 448-460.	4.2	39
8	Compact and low-cost instrument for digital holographic microscopy of immobilized micro-particles. Optics and Lasers in Engineering, 2021, 137, 106397.	3.8	10
9	Compact and Field Portable Biophotonic Sensors for Automated Cell Identification (Plenary Address). Springer Proceedings in Physics, 2021, , 15-18.	0.2	0
10	Compressive imaging for defending deep neural networks from adversarial attacks. Optics Letters, 2021, 46, 1951.	3.3	10
11	Deep learning polarimetric three-dimensional integral imaging object recognition in adverse environmental conditions. Optics Express, 2021, 29, 12215.	3.4	19
12	Integral 3D/2D partially convertible display using geometric phase lens array. Results in Optics, 2021, 3, 100061.	2.0	4
13	Digital holographic deep learning of red blood cells for field-portable, rapid COVID-19 screening. Optics Letters, 2021, 46, 2344.	3.3	48
14	Three-dimensional polarimetric image restoration in low light with deep residual learning and integral imaging. Optics Express, 2021, 29, 29505.	3.4	8
15	Spatio-temporal continuous gesture recognition under degraded environments: performance comparison between 3D integral imaging (InIm) and RGB-D sensors. Optics Express, 2021, 29, 30937.	3.4	7
16	Roadmap on digital holography [Invited]. Optics Express, 2021, 29, 35078.	3.4	133
17	Deep learning integral imaging for three-dimensional visualization, object detection, and segmentation. Optics and Lasers in Engineering, 2021, 146, 106695.	3.8	8
18	Compact, low cost, large field-of-view self-referencing digital holographic interference microscope. Optik, 2021, 245, 167615.	2.9	5

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19	Focus issue introduction: 3D image acquisition and display: technology, perception, and applications. Optics Express, 2021, 29, 342.	3.4	1
20	Optical signal detection in turbid water using multidimensional integral imaging with deep learning. Optics Express, 2021, 29, 35691.	3.4	12
21	3D/2D Partially Convertible Integral Imaging Display Using Geometric Phase Lens Array. Digest of Technical Papers SID International Symposium, 2020, 51, 1021-1024.	0.3	0
22	Overview of three-dimensional integral imaging-based object recognition in low illumination conditions with visible range image sensors. SN Applied Sciences, 2020, 2, 1.	2.9	0
23	Common-path lensless digital holographic microscope employing a Fresnel biprism. Optics and Lasers in Engineering, 2020, 128, 106014.	3.8	21
24	Polarimetric Identification of 3D-Printed Nano Particle Encoded Optical Codes. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	2
25	Fundamentals of automated human gesture recognition using 3D integral imaging: a tutorial. Advances in Optics and Photonics, 2020, 12, 1237.	25.5	13
26	Deep learning-based cell identification and disease diagnosis using spatio-temporal cellular dynamics in compact digital holographic microscopy. Biomedical Optics Express, 2020, 11, 4491.	2.9	58
27	Optical 4D signal detection in turbid water by multi-dimensional integral imaging using spatially distributed and temporally encoded multiple light sources. Optics Express, 2020, 28, 10477.	3.4	19
28	Three-dimensional polarimetric integral imaging in photon-starved conditions: performance comparison between visible and long wave infrared imaging. Optics Express, 2020, 28, 19281.	3.4	10
29	Human gesture recognition under degraded environments using 3D-integral imaging and deep learning. Optics Express, 2020, 28, 19711.	3.4	17
30	Noise-free quantitative phase imaging in Gabor holography with conditional generative adversarial network. Optics Express, 2020, 28, 26284.	3.4	27
31	Roadmap on 3D integral imaging: sensing, processing, and display. Optics Express, 2020, 28, 32266.	3.4	105
32	Red blood cell classification in lensless single random phase encoding using convolutional neural networks. Optics Express, 2020, 28, 33504.	3.4	19
33	Signal detection in turbid water using temporally encoded polarimetric integral imaging. Optics Express, 2020, 28, 36033.	3.4	19
34	Photon-counting 3D integral imaging with less than a single photon per pixel on average using a statistical model of the EM-CCD camera. Optics Letters, 2020, 45, 2327.	3.3	4
35	Field-portable microsphere-assisted high resolution digital holographic microscopy in compact and 3D-printed Mach-Zehnder Interferometer. OSA Continuum, 2020, 3, 1013.	1.8	13
36	Overview of three-dimensional polarimetric imaging in photon starved conditions. , 2020, , .		1

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37	Overview of compact and field-portable system for resolution enhanced digital holographic microscopy by structured illumination. , 2020, , .		0
38	Depth estimation improvement in 3D integral imaging using an edge removal approach. Pattern Analysis and Applications, 2019, 22, 33-45.	4.6	2
39	Secure Random Phase Key Exchange Schemes for Image Cryptography. IEEE Internet of Things Journal, 2019, 6, 10855-10861.	8.7	7
40	Volume holographic optical encryption and decryption in photorefractive LiNbO ₃ :Fe crystal. Optics Communications, 2019, 437, 95-103.	2.1	16
41	Common-path, single-shot phase-shifting digital holographic microscopy using a Ronchi ruling. Applied Physics Letters, 2019, 114, 183701.	3.3	18
42	Depth and All-in-Focus Image Estimation in Synthetic Aperture Integral Imaging Under Partial Occlusions. IEEE Access, 2019, 7, 1052-1067.	4.2	2
43	3D printed hand-held refractometer based on laser speckle correlation. Optics and Lasers in Engineering, 2019, 118, 7-13.	3.8	8
44	Automated Disease Identification with Optical Imaging-Based Compact and Field-Portable Bio-Photonics Sensors. , 2019, , .		1
45	Digital holographic imaging of refractive index distributions for defect detection. Optics and Laser Technology, 2019, 111, 439-446.	4.6	22
46	Portable device based on beam deflection for refractive index mapping and diffusion coefficient measurement. Optical Engineering, 2019, 58, 1.	1.0	3
47	Automated cell identification with 3D optical imaging. , 2019, , .		2
48	No-search focus prediction at the single cell level in digital holographic imaging with deep convolutional neural network. Biomedical Optics Express, 2019, 10, 4276.	2.9	28
49	Mueller matrix polarimetry with 3D integral imaging. Optics Express, 2019, 27, 11525.	3.4	12
50	Three-dimensional integral imaging in photon-starved environments with high-sensitivity image sensors. Optics Express, 2019, 27, 26355.	3.4	10
51	Structured illumination in compact and field-portable 3D-printed shearing digital holographic microscopy for resolution enhancement. Optics Letters, 2019, 44, 2326.	3.3	29
52	Three-dimensional polarimetric integral imaging under low illumination conditions. Optics Letters, 2019, 44, 3230.	3.3	23
53	Toward 3D integral-imaging broadcast with increased viewing angle and parallax. Optics and Lasers in Engineering, 2018, 107, 83-90.	3.8	6
54	Stable and simple quantitative phase-contrast imaging by Fresnel biprism. Applied Physics Letters, 2018, 112, .	3.3	64

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55	Spatial-temporal human gesture recognition under degraded conditions using three-dimensional integral imaging: An Overview. , 2018, , .		3
56	Automatic cell identification and visualization using digital holographic microscopy with head mounted augmented reality devices: An Overview. , 2018, , .		0
57	Three-dimensional Integral Imaging Visualization in Scattering Medium with Bayesian Estimation. , 2018, , .		0
58	Ownership protection of plenoptic images by robust and reversible watermarking. Optics and Lasers in Engineering, 2018, 107, 325-334.	3.8	17
59	Fundamentals of 3D imaging and displays: a tutorial on integral imaging, light-field, and plenoptic systems. Advances in Optics and Photonics, 2018, 10, 512.	25.5	234
60	Wavefront division digital holographic microscopy. Biomedical Optics Express, 2018, 9, 2779.	2.9	18
61	Spatial-temporal human gesture recognition under degraded conditions using three-dimensional integral imaging. Optics Express, 2018, 26, 13938.	3.4	17
62	Optical sensing and detection in turbid water using multidimensional integral imaging. Optics Letters, 2018, 43, 3261.	3.3	32
63	Sickle cell disease diagnosis based on spatio-temporal cell dynamics analysis using 3D printed shearing digital holographic microscopy. Optics Express, 2018, 26, 13614.	3.4	94
64	Long working range light field microscope with fast scanning multifocal liquid crystal microlens array. Optics Express, 2018, 26, 10981.	3.4	37
65	Strategies for reducing speckle noise in digital holography. Light: Science and Applications, 2018, 7, 48.	16.6	182
66	Automated quantitative analysis of multiple cardiomyocytes at the single-cell level with three-dimensional holographic imaging informatics. Journal of Biophotonics, 2018, 11, e201800116.	2.3	9
67	Tutorial: Common path self-referencing digital holographic microscopy. APL Photonics, 2018, 3, 071101.	5.7	48
68	Quantification of stored red blood cell fluctuations by time-lapse holographic cell imaging. Biomedical Optics Express, 2018, 9, 4714.	2.9	29
69	Learning in the dark: 3D integral imaging object recognition in very low illumination conditions using convolutional neural networks. OSA Continuum, 2018, 1, 373.	1.8	17
70	Recent Advances in the Capture and Display of Macroscopic and Microscopic 3-D Scenes by Integral Imaging. Proceedings of the IEEE, 2017, 105, 825-836.	21.3	47
71	Emerging 3-D Imaging and Display Technologies [Scanning the Issue]. Proceedings of the IEEE, 2017, 105, 786-788.	21.3	5
72	Multidimensional Optical Sensing and Imaging System (MOSIS): From Macroscales to Microscales. Proceedings of the IEEE, 2017, 105, 850-875.	21.3	35

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73	Automated Disease Identification With 3-D Optical Imaging: A Medical Diagnostic Tool. Proceedings of the IEEE, 2017, 105, 924-946.	21.3	69
74	Three-Dimensional Integral Imaging for Gesture Recognition Under Occlusions. IEEE Signal Processing Letters, 2017, 24, 171-175.	3.6	25
75	Calcium effect on membrane of an optically trapped erythrocyte studied by digital holographic microscopy. Applied Physics Letters, 2017, 111, .	3.3	9
76	A Three-Dimensional Image Transmission Using In-Network Computation in Wireless Multi-Camera Networks. IEEE Journal of the Electron Devices Society, 2017, 5, 445-452.	2.1	3
77	Optical encryption in the axial domain using beams with arbitrary polarization. Optics and Lasers in Engineering, 2017, 89, 145-149.	3.8	11
78	Gesture recognition using Integral Imaging. , 2017, , .		0
79	Automated disease identification with 3D optical imaging. , 2017, , .		0
80	Compact and field-portable 3D printed shearing digital holographic microscope for automated cell identification. Applied Optics, 2017, 56, D127.	2.1	71
81	Optical security and authentication using nanoscale and thin-film structures. Advances in Optics and Photonics, 2017, 9, 218.	25.5	41
82	Automated red blood cells extraction from holographic images using fully convolutional neural networks. Biomedical Optics Express, 2017, 8, 4466.	2.9	46
83	Three-dimensional object visualization and detection in low light illumination using integral imaging. Optics Letters, 2017, 42, 3068.	3.3	41
84	Wide field of view common-path lateral-shearing digital holographic interference microscope. Journal of Biomedical Optics, 2017, 22, 1.	2.6	16
85	Three-Dimensional Photon Counting Imaging with Axially Distributed Sensing. Sensors, 2016, 16, 1184.	3.8	7
86	Resolution improvements in integral microscopy with Fourier plane recording. Optics Express, 2016, 24, 20792.	3.4	74
87	Cell morphology-based classification of red blood cells using holographic imaging informatics. Biomedical Optics Express, 2016, 7, 2385.	2.9	67
88	Non-uniform polarized beams: Applications to optical encryption. , 2016, , .		0
89	Multidimensional optical sensing and imaging for displays, computational imaging, optical security, and healthcare. , 2016, , .		0
90	Restoring Integral Images from Focal Stacks Using Compressed Sensing Techniques. Journal of Display Technology, 2016, 12, 701-706.	1.2	2

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91	Flipping interferometry and its application for quantitative phase microscopy in a micro-channel. Optics Letters, 2016, 41, 2354.	3.3	64
92	Quasi noise-free digital holography. Light: Science and Applications, 2016, 5, e16142-e16142.	16.6	124
93	Cell identification using single beam lensless imaging with pseudo-random phase encoding. Optics Letters, 2016, 41, 3663.	3.3	24
94	Dual layer electrode liquid crystal lens for 2D/3D tunable endoscopy imaging system. Optics Express, 2016, 24, 8527.	3.4	41
95	Range estimation techniques from Integral Imaging. , 2016, , .		0
96	Detection of Calcium-induced morphological changes on RBCs by digital holographic microscopy and blinking optical tweezers. , 2016, , .		1
97	Wide-Field Lensless 3D Imaging and Visualization of Micro-objects. Journal of Display Technology, 2016, 12, 1283-1289.	1.2	3
98	Integrated circuit authentication using photon-limited x-ray microscopy. Optics Letters, 2016, 41, 3297.	3.3	5
99	Head Tracking Three-Dimensional Integral Imaging Display Using Smart Pseudoscopic-to-Orthoscopic Conversion. Journal of Display Technology, 2016, 12, 542-548.	1.2	15
100	Optical encryption in the longitudinal domain of focused fields. Optics Express, 2016, 24, 6793.	3.4	24
101	Augmented reality three-dimensional object visualization and recognition with axially distributed sensing. Optics Letters, 2016, 41, 297.	3.3	24
102	Authentication of gold nanoparticle encoded pharmaceutical tablets using polarimetric signatures. Optics Letters, 2016, 41, 4507.	3.3	9
103	Peplographyâ€”a passive 3D photon counting imaging through scattering media. Optics Letters, 2016, 41, 5401.	3.3	28
104	Free-depths reconstruction with synthetic impulse response in integral imaging. Optics Express, 2015, 23, 30127.	3.4	22
105	Security authentication using phase-encoded nanoparticle structures and polarized light. Optics Letters, 2015, 40, 135.	3.3	50
106	Three-Dimensional Super Resolution Reconstruction by Integral Imaging. Journal of Display Technology, 2015, 11, 947-952.	1.2	12
107	Optical security verification by synthesizing thin films with unique polarimetric signatures. Optics Letters, 2015, 40, 5399.	3.3	14
108	Breakthroughs in Photonics 2014: Recent Advances in 3-D Integral Imaging Sensing and Display. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	22

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109	Multiple-Planes Pseudoscopic-to-Orthoscopic Conversion for 3D Integral Imaging Display. Journal of Display Technology, 2015, 11, 921-926.	1.2	15
110	Digital holographic microscopy for cell visualization and automated disease identification. , 2015, , .		1
111	Extended depth-of-focus 3D micro integral imaging display using a bifocal liquid crystal lens. Optics Letters, 2015, 40, 538.	3.3	77
112	Reconstruction Improvement in Integral Fourier Holography by Micro-Scanning Method. Journal of Display Technology, 2015, 11, 709-714.	1.2	5
113	Augmented Reality 3D Displays With Micro Integral Imaging. Journal of Display Technology, 2015, 11, 889-893.	1.2	43
114	Optical encryption using photon-counting polarimetric imaging. Optics Express, 2015, 23, 655.	3.4	78
115	Hexagonal liquid crystal lens array for 3D endoscopy. Optics Express, 2015, 23, 971.	3.4	81
116	Dynamic integral imaging display with electrically moving array lenslet technique using liquid crystal lens. Optics Express, 2015, 23, 18415.	3.4	42
117	Lensless three-dimensional integral imaging using variable and time multiplexed pinhole array. Optics Letters, 2015, 40, 1814.	3.3	30
118	Polarimetric 3D integral imaging in photon-starved conditions. Optics Express, 2015, 23, 6408.	3.4	35
119	Automated multi-parameter measurement of cardiomyocytes dynamics with digital holographic microscopy. Optics Express, 2015, 23, 13333.	3.4	40
120	Synthetic Aperture Integral Imaging Display With Moving Array Lenslet Technique. Journal of Display Technology, 2015, 11, 827-833.	1.2	7
121	Three-Dimensional Visualization of Long Range Scenes by Photon Counting Mid-Wave Infrared Integral Imaging. Journal of Display Technology, 2015, 11, 908-912.	1.2	3
122	Highly stable digital holographic microscope using Sagnac interferometer. Optics Letters, 2015, 40, 3743.	3.3	74
123	3D imaging with applications to displays, quantum imaging, optical security, and healthcare. , 2015, , .		2
124	Extended depth-of-field 3D endoscopy with synthetic aperture integral imaging using an electrically tunable focal-length liquid-crystal lens. Optics Letters, 2015, 40, 3564.	3.3	60
125	A 3D integral imaging optical see-through head-mounted display. Optics Express, 2014, 22, 13484.	3.4	309
126	Refocusing criterion via sparsity measurements in digital holography. Optics Letters, 2014, 39, 4719.	3.3	116

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127	Enhanced field-of-view integral imaging display using multi-Köhler illumination. Optics Express, 2014, 22, 31853.	3.4	17
128	Avalanche and bit independence characteristics of double random phase encoding in the Fourier and Fresnel domains. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1104.	1.5	14
129	Three-dimensional integral imaging with flexible sensing. Optics Letters, 2014, 39, 6855.	3.3	31
130	Three-dimensional integral imaging displays using a quick-response encoded elemental image array. Optica, 2014, 1, 332.	9.3	51
131	Encoding multiple holograms for speckle-noise reduction in optical display. Optics Express, 2014, 22, 25768.	3.4	78
132	Entropy-based clustering of embryonic stem cells using digital holographic microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 677.	1.5	8
133	Advances in optical security systems. Advances in Optics and Photonics, 2014, 6, 120.	25.5	434
134	Photon-Counting Security Tagging and Verification Using Optically Encoded QR Codes. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	78
135	Three dimensional imaging, visualization, and displays: Advances and new applications. , 2014, , .		1
136	Compact, common path quantitative phase microscopic techniques for imaging cell dynamics. Pramana - Journal of Physics, 2014, 82, 71-78.	1.8	16
137	Single beam Fourier transform digital holographic quantitative phase microscopy. Applied Physics Letters, 2014, 104, 103705.	3.3	27
138	Digital holographic microscopy with coupled optical fiber trap for cell measurement and manipulation. Optics Letters, 2014, 39, 2916.	3.3	34
139	Improved Viewing Zones for Projection Type Integral Imaging 3D Display Using Adaptive Liquid Crystal Prism Array. Journal of Display Technology, 2014, 10, 198-203.	1.2	39
140	Photoelastic Analysis of Partially Occluded Objects With an Integral-Imaging Polariscope. Journal of Display Technology, 2014, 10, 255-262.	1.2	10
141	Three-Dimensional Holographic Display Using Dense Ray Sampling and Integral Imaging Capture. Journal of Display Technology, 2014, 10, 688-694.	1.2	8
142	Optical temperature sensor using speckle field. Sensors and Actuators A: Physical, 2014, 216, 312-317.	4.1	28
143	Experimental validation of 2-D generalized geometric super resolved approach. Optics Communications, 2014, 310, 179-186.	2.1	0
144	Mid-Wave Infrared 3D Integral Imaging at Long Range. Journal of Display Technology, 2013, 9, 545-551.	1.2	19

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145	Three-Dimensional Imaging for Creating Real-World-Like Environments. Proceedings of the IEEE, 2013, 101, 190-205.	21.3	55
146	3D imaging and visualization: An overview of recent advances. , 2013, , .		3
147	Identification of Malaria-Infected Red Blood Cells Via Digital Shearing Interferometry and Statistical Inference. IEEE Photonics Journal, 2013, 5, 6900207-6900207.	2.0	41
148	Non-Homogeneity of Lateral Resolution in Integral Imaging. Journal of Display Technology, 2013, 9, 37-43.	1.2	28
149	Speckle-Based Optical Sensor for Low Field Faraday Rotation Measurement. IEEE Sensors Journal, 2013, 13, 723-727.	4.7	12
150	Application of short-coherence lensless Fourier-transform digital holography in imaging through diffusive medium. Optics Communications, 2013, 286, 56-59.	2.1	19
151	Three-Dimensional Photon Counting Axially Distributed Image Sensing. Journal of Display Technology, 2013, 9, 56-62.	1.2	11
152	Phase-Modulated Optical System With Sparse Representation for Information Encoding and Authentication. IEEE Photonics Journal, 2013, 5, 6900113-6900113.	2.0	94
153	Three-dimensional photon counting double-random-phase encryption. Optics Letters, 2013, 38, 3198.	3.3	121
154	Random resampling masks: a non-Bayesian one-shot strategy for noise reduction in digital holography. Optics Letters, 2013, 38, 619.	3.3	87
155	Feasibility study for compressive multi-dimensional integral imaging. Optics Express, 2013, 21, 4263.	3.4	25
156	Analysis of the depth of field of integral imaging displays based on wave optics. Optics Express, 2013, 21, 31263.	3.4	66
157	High-precision microscopic phase imaging without phase unwrapping for cancer cell identification. Optics Letters, 2013, 38, 1319.	3.3	64
158	Automated quantitative analysis of 3D morphology and mean corpuscular hemoglobin in human red blood cells stored in different periods. Optics Express, 2013, 21, 30947.	3.4	56
159	Automated segmentation of multiple red blood cells with digital holographic microscopy. Journal of Biomedical Optics, 2013, 18, 026006.	2.6	56
160	3D Visualization at Low Light Levels Using Multispectral Photon Counting Integral Imaging. Journal of Display Technology, 2013, 9, 51-55.	1.2	20
161	High-precision microscopic phase imaging without phase unwrapping. , 2013, , .		0
162	Photon Counting 3-D Object Recognition Using Digital Holography. IEEE Photonics Journal, 2013, 5, 6900309-6900309.	2.0	8

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163	Three-dimensional integral imaging with improved visualization using subpixel optical ray sensing. Optics Letters, 2012, 37, 2130.	3.3	5
164	3D passive integral imaging using compressive sensing. Optics Express, 2012, 20, 26624.	3.4	21
165	High-resolution far-field integral-imaging camera by double snapshot. Optics Express, 2012, 20, 890.	3.4	73
166	Automated statistical quantification of three-dimensional morphology and mean corpuscular hemoglobin of multiple red blood cells. Optics Express, 2012, 20, 10295.	3.4	77
167	Three-dimensional polarimetric computational integral imaging. Optics Express, 2012, 20, 15481.	3.4	27
168	Multispectral integral imaging acquisition and processing using a monochrome camera and a liquid crystal tunable filter. Optics Express, 2012, 20, 25960.	3.4	28
169	Multidimensional imaging using compressive Fresnel holography. Optics Letters, 2012, 37, 2013.	3.3	42
170	Quantitative phase-contrast imaging with compact digital holographic microscope employing Lloyd's mirror. Optics Letters, 2012, 37, 5127.	3.3	125
171	Three-dimensional photon counting integral imaging using moving array lens technique. Optics Letters, 2012, 37, 1487.	3.3	22
172	Three-dimensional imaging with axially distributed sensing using electronically controlled liquid crystal lens. Optics Letters, 2012, 37, 4125.	3.3	25
173	Generalization of three-dimensional N-ocular imaging systems under fixed resource constraints. Optics Letters, 2012, 37, 19.	3.3	28
174	Three-dimensional imaging and visualization of partially occluded objects using axially distributed stereo image sensing. Optics Letters, 2012, 37, 1394.	3.3	21
175	Occlusion Removal Using Depth Mapping in Three-Dimensional Integral Imaging. Journal of Display Technology, 2012, 8, 483-490.	1.2	23
176	Resolution Analysis of N-Ocular Imaging Systems With Tilted Image Sensors. Journal of Display Technology, 2012, 8, 529-533.	1.2	6
177	In-line reference-delayed digital holography using a low-coherence light source. Optics Letters, 2012, 37, 2631.	3.3	8
178	Multi-wavelengths digital holography: reconstruction, synthesis and display of holograms using adaptive transformation. Optics Letters, 2012, 37, 1445.	3.3	21
179	Visualization of 3D Objects in Scattering Medium Using Axially Distributed Sensing. Journal of Display Technology, 2012, 8, 317-320.	1.2	10
180	Experiments With Three-Dimensional Integral Imaging Under Low Light Levels. IEEE Photonics Journal, 2012, 4, 1188-1195.	2.0	35

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181	Optimization of 3D Integral Imaging System Parameters. Journal of Display Technology, 2012, 8, 357-360.	1.2	19
182	Lateral shearing digital holographic imaging of small biological specimens. Optics Express, 2012, 20, 23617.	3.4	146
183	On axis holography by random particles encoding. , 2012, , .		0
184	Experiments with three-dimensional optical microscopy using axially distributed sensing. , 2012, , .		1
185	Automatic Identification of Malaria-Infected RBC With Digital Holographic Microscopy Using Correlation Algorithms. IEEE Photonics Journal, 2012, 4, 1456-1464.	2.0	105
186	Three dimensional photon counting imaging. , 2012, , .		0
187	Fast 3D Computational Integral Imaging Using Graphics Processing Unit. Journal of Display Technology, 2012, 8, 714-722.	1.2	29
188	High-resolution three-dimensional holographic display using dense ray sampling from integral imaging. Optics Letters, 2012, 37, 5103.	3.3	44
189	Superresolved and field-of-view extended digital holography with particle encoding. Optics Letters, 2012, 37, 2766.	3.3	26
190	Geometrical super resolved lensless imaging. , 2011, , .		0
191	Quantitative phase microscopic imaging of embryonic stem cell dynamics. , 2011, , .		0
192	3D Visualization of Partially Occluded Objects Using Axially Distributed Sensing. Journal of Display Technology, 2011, 7, 223-225.	1.2	17
193	Three-dimensional photon counting integral imaging reconstruction using penalized maximum likelihood expectation maximization. Optics Express, 2011, 19, 19681.	3.4	58
194	Information authentication using photon-counting double-random-phase encrypted images. Optics Letters, 2011, 36, 22.	3.3	204
195	Three-dimensional imaging with detector arrays on arbitrarily shaped surfaces. Optics Letters, 2011, 36, 600.	3.3	13
196	3D passive photon counting automatic target recognition using advanced correlation filters. Optics Letters, 2011, 36, 861.	3.3	35
197	Axially distributed sensing for three-dimensional imaging with unknown sensor positions. Optics Letters, 2011, 36, 1086.	3.3	11
198	Automatic focusing in digital holography and its application to stretched holograms. Optics Letters, 2011, 36, 1945.	3.3	179

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199	High-resolution quantitative phase microscopic imaging in deep UV with phase retrieval. Optics Letters, 2011, 36, 4362.	3.3	12
200	Cell Identification Computational 3-D Holographic Microscopy. Optics and Photonics News, 2011, 22, 18.	0.5	55
201	Full Parallax 3-D TV with Programmable Display Parameters. Optics and Photonics News, 2011, 22, 50.	0.5	8
202	Imaging Embryonic Stem Cell Dynamics Using Quantitative 3-D Digital Holographic Microscopy. IEEE Photonics Journal, 2011, 3, 546-554.	2.0	49
203	Photon-counting imaging based double-random-phase encryption for information security and verification. , 2011, , .		0
204	Lightfield recording and reconstruction by integral imaging. , 2011, , .		0
205	Three-dimensional visualization and identification of objects in photon starved scenes using statistical estimation. , 2011, , .		0
206	Detection of Calcium-Induced Morphological Changes of Living Cells Using Optical Traps. IEEE Photonics Journal, 2010, 2, 775-783.	2.0	11
207	Three-Dimensional Holographic Imaging for Identification of Biological Micro/Nanoorganisms. IEEE Photonics Journal, 2010, 2, 256-259.	2.0	14
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