

# Bahram Javidi

## List of Publications by Year in descending order

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409  
papers

22,300  
citations

9264

74  
h-index

11939

134  
g-index

416  
all docs

416  
docs citations

416  
times ranked

4526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical image encryption based on input plane and Fourier plane random encoding. Optics Letters, 1995, 20, 767.	3.3	2,402
2	Encrypted optical memory system using three-dimensional keys in the Fresnel domain. Optics Letters, 1999, 24, 762.	3.3	476
3	Securing information by use of digital holography. Optics Letters, 2000, 25, 28.	3.3	465
4	Three-dimensional volumetric object reconstruction using computational integral imaging. Optics Express, 2004, 12, 483.	3.4	455
5	Resistance of the double random phase encryption against various attacks. Optics Express, 2007, 15, 10253.	3.4	443
6	Advances in optical security systems. Advances in Optics and Photonics, 2014, 6, 120.	25.5	434
7	Improved viewing resolution of three-dimensional integral imaging by use of nonstationary micro-optics. Optics Letters, 2002, 27, 324.	3.3	418
8	Integral three-dimensional imaging with digital reconstruction. Optics Letters, 2001, 26, 157.	3.3	407
9	Three-dimensional object recognition by use of digital holography. Optics Letters, 2000, 25, 610.	3.3	401
10	Encrypting three-dimensional information with digital holography. Applied Optics, 2000, 39, 6595.	2.1	323
11	A 3D integral imaging optical see-through head-mounted display. Optics Express, 2014, 22, 13484.	3.4	309
12	Optical encryption using a joint transform correlator architecture. Optical Engineering, 2000, 39, 2031.	1.0	305
13	Three-dimensional synthetic aperture integral imaging. Optics Letters, 2002, 27, 1144.	3.3	296
14	Optical Techniques for Information Security. Proceedings of the IEEE, 2009, 97, 1128-1148.	21.3	295
15	Extended focused image in microscopy by digital holography. Optics Express, 2005, 13, 6738.	3.4	262
16	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
17	Three-dimensional imaging and recognition of microorganism using single-exposure on-line (SEOL) digital holography. Optics Express, 2005, 13, 4492.	3.4	213
18	Information authentication using photon-counting double-random-phase encrypted images. Optics Letters, 2011, 36, 22.	3.3	204

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19	A polymeric optical pattern-recognition system for security verification. <i>Nature</i> , 1996, 383, 58-60.	27.8	199
20	Three-dimensional integral imaging with large depth of focus by use of real and virtual image fields. <i>Optics Letters</i> , 2003, 28, 1421.	3.3	187
21	Strategies for reducing speckle noise in digital holography. <i>Light: Science and Applications</i> , 2018, 7, 48.	16.6	182
22	Securing Information with Optical Technologies. <i>Physics Today</i> , 1997, 50, 27-32.	0.3	180
23	Automatic focusing in digital holography and its application to stretched holograms. <i>Optics Letters</i> , 2011, 36, 1945.	3.3	179
24	Three-Dimensional Imaging Methods Based on Multiview Images. <i>Journal of Display Technology</i> , 2005, 1, 125-140.	1.2	164
25	Compressive Fresnel Holography. <i>Journal of Display Technology</i> , 2010, 6, 506-509.	1.2	149
26	Lateral shearing digital holographic imaging of small biological specimens. <i>Optics Express</i> , 2012, 20, 23617.	3.4	146
27	Three-dimensional recognition of occluded objects by using computational integral imaging. <i>Optics Letters</i> , 2006, 31, 1106.	3.3	145
28	Improved resolution 3D object sensing and recognition using time multiplexed computational integral imaging. <i>Optics Express</i> , 2003, 11, 3528.	3.4	142
29	Formation of real, orthoscopic integral images by smart pixel mapping. <i>Optics Express</i> , 2005, 13, 9175.	3.4	142
30	Fault tolerance properties of a double phase encoding encryption technique. <i>Optical Engineering</i> , 1997, 36, 992.	1.0	139
31	Large depth-of-focus time-multiplexed three-dimensional integral imaging by use of lenslets with nonuniform focal lengths and aperturesizes. <i>Optics Letters</i> , 2003, 28, 1924.	3.3	135
32	Three dimensional visualization by photon counting computational Integral Imaging. <i>Optics Express</i> , 2008, 16, 4426.	3.4	133
33	Roadmap on digital holography [Invited]. <i>Optics Express</i> , 2021, 29, 35078.	3.4	133
34	Three-dimensional projection integral imaging using micro-convex-mirror arrays. <i>Optics Express</i> , 2004, 12, 1077.	3.4	127
35	Quantitative phase-contrast imaging with compact digital holographic microscope employing Lloyd's mirror. <i>Optics Letters</i> , 2012, 37, 5127.	3.3	125
36	Quasi noise-free digital holography. <i>Light: Science and Applications</i> , 2016, 5, e16142-e16142.	16.6	124

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37	Improved resolution 3D object reconstruction using computational integral imaging with time multiplexing. Optics Express, 2004, 12, 4579.	3.4	122
38	Three-dimensional integral imaging of micro-objects. Optics Letters, 2004, 29, 1230.	3.3	121
39	Three-dimensional photon counting double-random-phase encryption. Optics Letters, 2013, 38, 3198.	3.3	121
40	Refocusing criterion via sparsity measurements in digital holography. Optics Letters, 2014, 39, 4719.	3.3	116
41	Watermarking of three-dimensional objects by digital holography. Optics Letters, 2003, 28, 167.	3.3	113
42	Experimental demonstration of the random phase encoding technique for image encryption and security verification. Optical Engineering, 1996, 35, 2506.	1.0	110
43	Photon counting passive 3D image sensing for automatic target recognition. Optics Express, 2005, 13, 9310.	3.4	105
44	Three-dimensional image fusion by use of multiwavelength digital holography. Optics Letters, 2005, 30, 144.	3.3	105
45	Automatic Identification of Malaria-Infected RBC With Digital Holographic Microscopy Using Correlation Algorithms. IEEE Photonics Journal, 2012, 4, 1456-1464.	2.0	105
46	Roadmap on 3D integral imaging: sensing, processing, and display. Optics Express, 2020, 28, 32266.	3.4	105
47	Synthetic aperture single-exposure on-axis digital holography. Optics Express, 2008, 16, 161.	3.4	104
48	Enhanced viewing-angle integral imaging by multiple-axis telecentric relay system. Optics Express, 2007, 15, 16255.	3.4	103
49	Compression of encrypted three-dimensional objects using digital holography. Optical Engineering, 2004, 43, 2233.	1.0	101
50	3-D computational synthetic aperture integral imaging (COMPSAI). Optics Express, 2003, 11, 2446.	3.4	99
51	Enhanced depth of field integral imaging with sensor resolution constraints. Optics Express, 2004, 12, 5237.	3.4	98
52	Three-dimensional-object recognition by use of single-exposure on-axis digital holography. Optics Letters, 2005, 30, 236.	3.3	97
53	Effects of device resolution on three-dimensional integral imaging. Optics Letters, 2004, 29, 1345.	3.3	96
54	Phase-Modulated Optical System With Sparse Representation for Information Encoding and Authentication. IEEE Photonics Journal, 2013, 5, 6900113-6900113.	2.0	94

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55	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
56	Single exposure super-resolution compressive imaging by double phase encoding. Optics Express, 2010, 18, 15094.	3.4	93
57	Full Color 3-D Imaging by Digital Holography and Removal of Chromatic Aberrations. Journal of Display Technology, 2008, 4, 97-100.	1.2	90
58	3D integral imaging display by smart pseudoscopic-to-orthoscopic conversion (SPOC). Optics Express, 2010, 18, 25573.	3.4	87
59	Random resampling masks: a non-Bayesian one-shot strategy for noise reduction in digital holography. Optics Letters, 2013, 38, 619.	3.3	87
60	Spatiotemporally multiplexed integral imaging projector for large-scale high-resolution three-dimensional display. Optics Express, 2004, 12, 557.	3.4	86
61	Real-time automated 3D sensing, detection, and recognition of dynamic biological micro-organic events. Optics Express, 2006, 14, 3806.	3.4	84
62	Phase-shifting Gabor holography. Optics Letters, 2009, 34, 1492.	3.3	84
63	3D object watermarking by a 3D hidden object. Optics Express, 2003, 11, 874.	3.4	82
64	Polarization imaging of a 3D object by use of on-axis phase-shifting digital holography. Optics Letters, 2007, 32, 481.	3.3	81
65	Hexagonal liquid crystal lens array for 3D endoscopy. Optics Express, 2015, 23, 971.	3.4	81
66	Distortion-tolerant 3D recognition of occluded objects using computational integral imaging. Optics Express, 2006, 14, 12085.	3.4	80
67	Real-Time Digital Holographic Microscopy for Phase Contrast 3D Imaging of Dynamic Phenomena. Journal of Display Technology, 2010, 6, 500-505.	1.2	80
68	Encoding multiple holograms for speckle-noise reduction in optical display. Optics Express, 2014, 22, 25768.	3.4	78
69	Photon-Counting Security Tagging and Verification Using Optically Encoded QR Codes. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	78
70	Optical encryption using photon-counting polarimetric imaging. Optics Express, 2015, 23, 655.	3.4	78
71	Nonlinear joint-transform correlation: an optimal solution for adaptive image discrimination and input noise robustness. Optics Letters, 1994, 19, 405.	3.3	77
72	Automated statistical quantification of three-dimensional morphology and mean corpuscular hemoglobin of multiple red blood cells. Optics Express, 2012, 20, 10295.	3.4	77

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73	Extended depth-of-focus 3D micro integral imaging display using a bifocal liquid crystal lens. Optics Letters, 2015, 40, 538.	3.3	77
74	Optimum receiver design for pattern recognition with nonoverlapping target and scene noise. Optics Letters, 1993, 18, 1660.	3.3	76
75	3D imaging with axially distributed sensing. Optics Letters, 2009, 34, 1212.	3.3	76
76	Formation of orthoscopic three-dimensional real images in direct pickup one-step integral imaging. Optical Engineering, 2003, 42, 1869.	1.0	74
77	Three-dimensional identification of biological microorganism using integral imaging. Optics Express, 2006, 14, 12096.	3.4	74
78	Highly stable digital holographic microscope using Sagnac interferometer. Optics Letters, 2015, 40, 3743.	3.3	74
79	Resolution improvements in integral microscopy with Fourier plane recording. Optics Express, 2016, 24, 20792.	3.4	74
80	Neural network for three-dimensional object recognition based on digital holography. Optics Letters, 2001, 26, 1478.	3.3	73
81	Optically-corrected elemental images for undistorted Integral image display. Optics Express, 2006, 14, 9657.	3.4	73
82	High-resolution far-field integral-imaging camera by double snapshot. Optics Express, 2012, 20, 890.	3.4	73
83	Single-shot digital holography by use of the fractional Talbot effect. Optics Express, 2009, 17, 12900.	3.4	72
84	Optical retrieval of encrypted digital holograms for secure real-time display. Optics Letters, 2002, 27, 321.	3.3	71
85	Compact and field-portable 3D printed shearing digital holographic microscope for automated cell identification. Applied Optics, 2017, 56, D127.	2.1	71
86	Performance of double phase encoding encryption technique using binarized encrypted images. Optical Engineering, 1998, 37, 565.	1.0	69
87	Automated Disease Identification With 3-D Optical Imaging: A Medical Diagnostic Tool. Proceedings of the IEEE, 2017, 105, 924-946.	21.3	69
88	Compression of digital holograms of three-dimensional objects using wavelets. Optics Express, 2006, 14, 2625.	3.4	67
89	Cell morphology-based classification of red blood cells using holographic imaging informatics. Biomedical Optics Express, 2016, 7, 2385.	2.9	67
90	Integral imaging with large depth of field using an asymmetric phase mask. Optics Express, 2007, 15, 10266.	3.4	66

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91	Analysis of the depth of field of integral imaging displays based on wave optics. Optics Express, 2013, 21, 31263.	3.4	66
92	Compression of 3D color integral images. Optics Express, 2004, 12, 1632.	3.4	65
93	Recent Developments in 3-D Imaging Technologies. Journal of Display Technology, 2010, 6, 394-403.	1.2	65
94	Random Projections Imaging With Extended Space-Bandwidth Product. Journal of Display Technology, 2007, 3, 315-320.	1.2	64
95	Three-Dimensional Visualization of Objects in Turbid Water Using Integral Imaging. Journal of Display Technology, 2010, 6, 544-547.	1.2	64
96	High-precision microscopic phase imaging without phase unwrapping for cancer cell identification. Optics Letters, 2013, 38, 1319.	3.3	64
97	Flipping interferometry and its application for quantitative phase microscopy in a micro-channel. Optics Letters, 2016, 41, 2354.	3.3	64
98	Stable and simple quantitative phase-contrast imaging by Fresnel biprism. Applied Physics Letters, 2018, 112, .	3.3	64
99	Minimum mean-square-error filter for pattern recognition with spatially disjoint signal and scene noise. Optics Letters, 1993, 18, 1453.	3.3	63
100	Extended Depth-of-Field 3-D Display and Visualization by Combination of Amplitude-Modulated Microlenses and Deconvolution Tools. Journal of Display Technology, 2005, 1, 321-327.	1.2	63
101	3D integral imaging using diffractive Fresnel lens arrays. Optics Express, 2005, 13, 315.	3.4	63
102	Profilometry and optical slicing by passive three-dimensional imaging. Optics Letters, 2009, 34, 1105.	3.3	63
103	Three-dimensional identification of stem cells by computational holographic imaging. Journal of the Royal Society Interface, 2007, 4, 305-313.	3.4	62
104	Free View 3-D Visualization of Occluded Objects by Using Computational Synthetic Aperture Integral Imaging. Journal of Display Technology, 2007, 3, 64-70.	1.2	61
105	Noise performance of double-phase encryption compared to XOR encryption. Optical Engineering, 1999, 38, 9.	1.0	60
106	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
107	Three-dimensional photon counting integral imaging reconstruction using penalized maximum likelihood expectation maximization. Optics Express, 2011, 19, 19681.	3.4	58
108	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

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109	Automated quantitative analysis of 3D morphology and mean corpuscular hemoglobin in human red blood cells stored in different periods. <i>Optics Express</i> , 2013, 21, 30947.	3.4	56
110	Automated segmentation of multiple red blood cells with digital holographic microscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 026006.	2.6	56
111	Optical security and encryption with totally incoherent light. <i>Optics Letters</i> , 2001, 26, 678.	3.3	55
112	Cell Identification Computational 3-D Holographic Microscopy. <i>Optics and Photonics News</i> , 2011, 22, 18.	0.5	55
113	Three-Dimensional Imaging for Creating Real-World-Like Environments. <i>Proceedings of the IEEE</i> , 2013, 101, 190-205.	21.3	55
114	Moiré Minimization Condition in Three-Dimensional Image Displays. <i>Journal of Display Technology</i> , 2005, 1, 347-353.	1.2	53
115	Three-Dimensional Visualization of Partially Occluded Objects Using Integral Imaging. <i>Journal of Display Technology</i> , 2005, 1, 354-359.	1.2	52
116	Computational Reconstruction of Three-Dimensional Integral Imaging by Rearrangement of Elemental Image Pixels. <i>Journal of Display Technology</i> , 2009, 5, 61-65.	1.2	52
117	Depth-independent segmentation of macroscopic three-dimensional objects encoded in single perspectives of digital holograms. <i>Optics Letters</i> , 2007, 32, 1229.	3.3	51
118	Three-dimensional integral imaging displays using a quick-response encoded elemental image array. <i>Optica</i> , 2014, 1, 332.	9.3	51
119	Three-dimensional polarimetric integral imaging. <i>Optics Letters</i> , 2004, 29, 2375.	3.3	50
120	3-D Visualization and Identification of Biological Microorganisms Using Partially Temporal Incoherent Light In-Line Computational Holographic Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 1782-1790.	8.9	50
121	Three-dimensional recognition of photon-starved events using computational integral imaging and statistical sampling. <i>Optics Letters</i> , 2009, 34, 731.	3.3	50
122	Security authentication using phase-encoded nanoparticle structures and polarized light. <i>Optics Letters</i> , 2015, 40, 135.	3.3	50
123	Depth and lateral size control of three-dimensional images in projection integral imaging. <i>Optics Express</i> , 2004, 12, 3778.	3.4	49
124	Histogram Approaches for Lossy Compression of Digital Holograms of Three-Dimensional Objects. <i>IEEE Transactions on Image Processing</i> , 2007, 16, 1548-1556.	9.8	49
125	Imaging Embryonic Stem Cell Dynamics Using Quantitative 3-D Digital Holographic Microscopy. <i>IEEE Photonics Journal</i> , 2011, 3, 546-554.	2.0	49
126	Fully phase encoded key and biometrics for security verification. <i>Optical Engineering</i> , 1997, 36, 935.	1.0	48



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127	Multidimensional optical sensor and imaging system. <i>Applied Optics</i> , 2006, 45, 2986.	2.1	48
128	Tutorial: Common path self-referencing digital holographic microscopy. <i>APL Photonics</i> , 2018, 3, 071101.	5.7	48
129	Digital holographic deep learning of red blood cells for field-portable, rapid COVID-19 screening. <i>Optics Letters</i> , 2021, 46, 2344.	3.3	48
130	Three-dimensional distortion-tolerant object recognition using integral imaging. <i>Optics Express</i> , 2004, 12, 5795.	3.4	47
131	Method for superposing reconstructed images from digital holograms of the same object recorded at different distance and wavelength. <i>Optics Communications</i> , 2006, 260, 113-116.	2.1	47
132	Three-dimensional color object visualization and recognition using multi-wavelength computational holography. <i>Optics Express</i> , 2007, 15, 9394.	3.4	47
133	A Hybrid Compression Method for Integral Images Using Discrete Wavelet Transform and Discrete Cosine Transform. <i>Journal of Display Technology</i> , 2007, 3, 321-325.	1.2	47
134	Optofluidic system for three-dimensional sensing and identification of micro-organisms with digital holographic microscopy. <i>Optics Letters</i> , 2010, 35, 4066.	3.3	47
135	Recent Advances in the Capture and Display of Macroscopic and Microscopic 3-D Scenes by Integral Imaging. <i>Proceedings of the IEEE</i> , 2017, 105, 825-836.	21.3	47
136	Three-dimensional distortion-tolerant object recognition using photon-counting integral imaging. <i>Optics Express</i> , 2007, 15, 1513.	3.4	46
137	Tracking biological microorganisms in sequence of 3D holographic microscopy images. <i>Optics Express</i> , 2007, 15, 10761.	3.4	46
138	Automated red blood cells extraction from holographic images using fully convolutional neural networks. <i>Biomedical Optics Express</i> , 2017, 8, 4466.	2.9	46
139	Shape tolerant three-dimensional recognition of biological microorganisms using digital holography. <i>Optics Express</i> , 2005, 13, 9612.	3.4	45
140	Object recognition by use of polarimetric phase-shifting digital holography. <i>Optics Letters</i> , 2007, 32, 2146.	3.3	44
141	3D Holographic Imaging and Trapping for Non-Invasive Cell Identification and Tracking. <i>Journal of Display Technology</i> , 2010, 6, 490-499.	1.2	44
142	High-resolution three-dimensional holographic display using dense ray sampling from integral imaging. <i>Optics Letters</i> , 2012, 37, 5103.	3.3	44
143	A companding approach for nonuniform quantization of digital holograms of three-dimensional objects. <i>Optics Express</i> , 2006, 14, 5129.	3.4	43
144	Augmented Reality 3D Displays With Micro Integral Imaging. <i>Journal of Display Technology</i> , 2015, 11, 889-893.	1.2	43

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145	Three-dimensional tracking of occluded objects using integral imaging. Optics Letters, 2008, 33, 2737.	3.3	42
146	Three-dimensional visualization of objects in scattering medium by use of computational integral imaging. Optics Express, 2008, 16, 13080.	3.4	42
147	Multidimensional imaging using compressive Fresnel holography. Optics Letters, 2012, 37, 2013.	3.3	42
148	Dynamic integral imaging display with electrically moving array lenslet technique using liquid crystal lens. Optics Express, 2015, 23, 18415.	3.4	42
149	Multifactor authentication reinforces optical security. Optics Letters, 2006, 31, 721.	3.3	41
150	Performance of 3D integral imaging with position uncertainty. Optics Express, 2007, 15, 11889.	3.4	41
151	Three dimensional imaging with randomly distributed sensors. Optics Express, 2008, 16, 6368.	3.4	41
152	Identification of Malaria-Infected Red Blood Cells Via Digital Shearing Interferometry and Statistical Inference. IEEE Photonics Journal, 2013, 5, 6900207-6900207.	2.0	41
153	Dual layer electrode liquid crystal lens for 2D/3D tunable endoscopy imaging system. Optics Express, 2016, 24, 8527.	3.4	41
154	Optical security and authentication using nanoscale and thin-film structures. Advances in Optics and Photonics, 2017, 9, 218.	25.5	41
155	Three-dimensional object visualization and detection in low light illumination using integral imaging. Optics Letters, 2017, 42, 3068.	3.3	41
156	Extension of depth of field using amplitude and phase modulation of the pupil function. Optics Letters, 2008, 33, 757.	3.3	40
157	Method to Remedy Image Degradations Due to Facet Braiding in 3D Integral-Imaging Monitors. Journal of Display Technology, 2010, 6, 404-411.	1.2	40
158	Three dimensional object recognition with photon counting imagery in the presence of noise. Optics Express, 2010, 18, 26450.	3.4	40
159	Automated multi-parameter measurement of cardiomyocytes dynamics with digital holographic microscopy. Optics Express, 2015, 23, 13333.	3.4	40
160	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
161	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
162	Three-dimensional integral imaging with electronically synthesized lenslet arrays. Optics Letters, 2002, 27, 1767.	3.3	37

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163	Segmentation of 3D holographic images using bivariate jointly distributed region snake. Optics Express, 2006, 14, 5143.	3.4	37
164	Long working range light field microscope with fast scanning multifocal liquid crystal microlens array. Optics Express, 2018, 26, 10981.	3.4	37
165	Distortion-tolerant 3-D object recognition by using single exposure on-axis digital holography. Optics Express, 2004, 12, 5539.	3.4	36
166	Nonlinear distortion-tolerant filters for detection of road signs in background noise. IEEE Transactions on Vehicular Technology, 2002, 51, 567-576.	6.3	35
167	Three-dimensional photon counting integral imaging using Bayesian estimation. Optics Letters, 2010, 35, 1825.	3.3	35
168	3D passive photon counting automatic target recognition using advanced correlation filters. Optics Letters, 2011, 36, 861.	3.3	35
169	Experiments With Three-Dimensional Integral Imaging Under Low Light Levels. IEEE Photonics Journal, 2012, 4, 1188-1195.	2.0	35
170	Polarimetric 3D integral imaging in photon-starved conditions. Optics Express, 2015, 23, 6408.	3.4	35
171	Multidimensional Optical Sensing and Imaging System (MOSIS): From Macroscales to Microscales. Proceedings of the IEEE, 2017, 105, 850-875.	21.3	35
172	Facet braiding: a fundamental problem in integral imaging. Optics Letters, 2007, 32, 1078.	3.3	34
173	Digital holographic microscopy with coupled optical fiber trap for cell measurement and manipulation. Optics Letters, 2014, 39, 2916.	3.3	34
174	Three-dimensional microscopy with single-beam wavefront sensing and reconstruction from speckle fields. Optics Letters, 2010, 35, 766.	3.3	32
175	Optical sensing and detection in turbid water using multidimensional integral imaging. Optics Letters, 2018, 43, 3261.	3.3	32
176	Three-dimensional integral imaging with flexible sensing. Optics Letters, 2014, 39, 6855.	3.3	31
177	Compression of Optically Encrypted Digital Holograms Using Artificial Neural Networks. Journal of Display Technology, 2006, 2, 401-410.	1.2	30
178	Image-Forming Principle of Integral Photography. Journal of Display Technology, 2008, 4, 324-331.	1.2	30
179	Lensless three-dimensional integral imaging using variable and time multiplexed pinhole array. Optics Letters, 2015, 40, 1814.	3.3	30
180	Three-Dimensional Holographic Image Sensing and Integral Imaging Display. Journal of Display Technology, 2005, 1, 341-346.	1.2	29

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181	Fast 3D Computational Integral Imaging Using Graphics Processing Unit. Journal of Display Technology, 2012, 8, 714-722.	1.2	29
182	Quantification of stored red blood cell fluctuations by time-lapse holographic cell imaging. Biomedical Optics Express, 2018, 9, 4714.	2.9	29
183	Structured illumination in compact and field-portable 3D-printed shearing digital holographic microscopy for resolution enhancement. Optics Letters, 2019, 44, 2326.	3.3	29
184	Multispectral integral imaging acquisition and processing using a monochrome camera and a liquid crystal tunable filter. Optics Express, 2012, 20, 25960.	3.4	28
185	Generalization of three-dimensional N-ocular imaging systems under fixed resource constraints. Optics Letters, 2012, 37, 19.	3.3	28
186	Non-Homogeneity of Lateral Resolution in Integral Imaging. Journal of Display Technology, 2013, 9, 37-43.	1.2	28
187	Optical temperature sensor using speckle field. Sensors and Actuators A: Physical, 2014, 216, 312-317.	4.1	28
188	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
189	Peplography—a passive 3D photon counting imaging through scattering media. Optics Letters, 2016, 41, 5401.	3.3	28
190	3D object scaling in integral imaging display by varying the spatial ray sampling rate. Optics Express, 2005, 13, 3242.	3.4	27
191	Three-dimensional polarimetric computational integral imaging. Optics Express, 2012, 20, 15481.	3.4	27
192	Single beam Fourier transform digital holographic quantitative phase microscopy. Applied Physics Letters, 2014, 104, 103705.	3.3	27
193	Noise-free quantitative phase imaging in Gabor holography with conditional generative adversarial network. Optics Express, 2020, 28, 26284.	3.4	27
194	Superresolved and field-of-view extended digital holography with particle encoding. Optics Letters, 2012, 37, 2766.	3.3	26
195	Experiments on real-time polychromatic signal detection by matched spatial filtering. Optics Communications, 1986, 56, 384-388.	2.1	25
196	Three-dimensional imaging with axially distributed sensing using electronically controlled liquid crystal lens. Optics Letters, 2012, 37, 4125.	3.3	25
197	Feasibility study for compressive multi-dimensional integral imaging. Optics Express, 2013, 21, 4263.	3.4	25
198	Three-Dimensional Integral Imaging for Gesture Recognition Under Occlusions. IEEE Signal Processing Letters, 2017, 24, 171-175.	3.6	25

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199	Cell identification using single beam lensless imaging with pseudo-random phase encoding. Optics Letters, 2016, 41, 3663.	3.3	24
200	Optical encryption in the longitudinal domain of focused fields. Optics Express, 2016, 24, 6793.	3.4	24
201	Augmented reality three-dimensional object visualization and recognition with axially distributed sensing. Optics Letters, 2016, 41, 297.	3.3	24
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