Joseph Rosen

List of Publications by Year
in descending order

247	6,111	61857	91712
papers	citations	43 h-index	69 g-index

251	251	251	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital spatially incoherent Fresnel holography. Optics Letters, 2007, 32, 912.	1.7	441
2	Non-scanning motionless fluorescence three-dimensional holographic microscopy. Nature Photonics, 2008, 2, 190-195.	15.6	372
3	Theoretical and experimental demonstration of resolution beyond the Rayleigh limit by FINCH fluorescence microscopic imaging. Optics Express, 2011, 19, 26249.	1.7	148
4	Security and encryption optical systems based on a correlator with significant output images. Applied Optics, 2000, 39, 5295.	2.1	146
5	Recent advances in self-interference incoherent digital holography. Advances in Optics and Photonics, 2019, 11, 1.	12.1	139
6	Roadmap on digital holography [Invited]. Optics Express, 2021, 29, 35078.	1.7	133
7	Optimal resolution in Fresnel incoherent correlation holographic fluorescence microscopy. Optics Express, 2011, 19, 5047.	1.7	129
8	Fluorescence incoherent color holography. Optics Express, 2007, 15, 2244.	1.7	126
9	Coded aperture correlation holographyâ€“a new type of incoherent digital holograms. Optics Express, 2016, 24, 12430.	1.7	120
10	Enhanced resolution and throughput of Fresnel incoherent correlation holography (FINCH) using dual diffractive lenses on a spatial light modulator (SLM). Optics Express, 2012, 20, 9109.	1.7	116
11	Interferenceless coded aperture correlation holographyâ€“a new technique for recording incoherent digital holograms without two-wave interference. Optics Express, 2017, 25, 13883.	1.7	112
12	Review of three-dimensional holographic imaging by multiple-viewpoint-projection based methods. Applied Optics, 2009, 48, H120.	2.1	106
13	Longitudinal spatial coherence applied for surface profilometry. Applied Optics, 2000, 39, 4107.	2.1	91
14	Non-linear adaptive three-dimensional imaging with interferenceless coded aperture correlation holography (I-COACH). Optics Express, 2018, 26, 18143.	1.7	90
15	Three-dimensional imaging of random radiation sources. Optics Letters, 1996, 21, 1011.	1.7	84
16	Computer-generated holograms of three-dimensional objects synthesized from their multiple angular viewpoints. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1537.	0.8	77
17	Spatially incoherent single channel digital Fourier holography. Optics Letters, 2012, 37, 3723.	1.7	72
18	Modified Lagrange invariants and their role in determining transverse and axial imaging resolutions of self-interference incoherent holographic systems. Optics Express, 2014, 22, 29048.	1.7	71

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19	Scanning holographic microscopy with resolution exceeding the Rayleigh limit of the objective by superposition of off-axis holograms. Applied Optics, 2007, 46, 993.	2.1	70
20	Computer-generated holograms of three-dimensional realistic objects recorded without wave interference. Applied Optics, 2001, 40, 2864.	2.1	68
21	Integral holography: white-light single-shot hologram acquisition. Optics Express, 2007, 15, 5754.	1.7	67
22	Super-resolution in incoherent optical imaging using synthetic aperture with Fresnel elements. Optics Express, 2010, 18, 962.	1.7	66
23	In-line FINCH super resolution digital holographic fluorescence microscopy using a high efficiency transmission liquid crystal GRIN lens. Optics Letters, 2013, 38, 5264.	1.7	66
24	Synthesis of an arbitrary axial field profile by computer-generated holograms. Optics Letters, 1994, 19, 843.	1.7	62
25	Compressive multiple view projection incoherent holography. Optics Express, 2011, 19, 6109.	1.7	61
26	Security optical systems based on a joint transform correlator with significant output images. Optical Engineering, 2001, 40, 1584.	0.5	60
27	General theorem of spatial coherence: application to three-dimensional imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 2091.	0.8	58
28	Coded aperture correlation holography system with improved performance [Invited]. Applied Optics, 2017, 56, F67.	2.1	58
29	Hidden images in halftone pictures. Applied Optics, 2001, 40, 3346.	2.1	57
30	Noise suppression by controlling the sparsity of the point spread function in interferenceless coded aperture correlation holography (I-COACH). Optics Express, 2019, 27, 24311.	1.7	54
31	Three-dimensional joint transform correlator. Applied Optics, 1998, 37, 7538.	2.1	53
32	Optical solution for bounded NP-complete problems. Applied Optics, 2007, 46, 711.	2.1	53
33	Circular harmonic phase filters for efficient rotation-invariant pattern recognition. Applied Optics, 1988, 27, 2895.	2.1	52
34	Roadmap on Recent Progress in FINCH Technology. Journal of Imaging, 2021, 7, 197.	1.7	51
35	Longitudinal partial coherence of optical radiation. Optics Communications, 1995, 117, 8-12.	1.0	47
36	Three-dimensional optical Fourier transform and correlation. Optics Letters, 1997, 22, 964.	1.7	47

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37	Homodyne scanning holography. Optics Express, 2006, 14, 4280.	1.7	47
38	Spectrum and space resolved 4D imaging by coded aperture correlation holography (COACH) with diffractive objective lens. Optics Letters, 2017, 42, 947.	1.7	47
39	Scale invariant pattern recognition with logarithmic radial harmonic filters. Applied Optics, 1989, 28, 240.	2.1	46
40	Single camera shot interferenceless coded aperture correlation holography. Optics Letters, 2017, 42, 3992.	1.7	46
41	Pseudo-nondiffracting beams generated by radial harmonic functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 2446.	0.8	45
42	Three-dimensional electro-optical correlation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 430.	0.8	44
43	Three types of computer-generated hologram synthesized from multiple angular viewpoints of a three-dimensional scene. Applied Optics, 2006, 45, 6533.	2.1	44
44	Recovery of partially occluded objects by applying compressive Fresnel holography. Optics Letters, 2012, 37, 1757.	1.7	44
45	Optical sectioning using a digital Fresnel incoherent-holography-based confocal imaging system. Optica, 2014, 1, 70.	4.8	44
46	Reconstruction of objects above and below the objective focal plane with dimensional fidelity by FINCH fluorescence microscopy. Optics Express, 2012, 20, 19822.	1.7	42
47	Incoherent digital holograms acquired by interferenceless coded aperture correlation holography system without refractive lenses. Scientific Reports, 2017, 7, 11555.	1.6	41
48	Synthesis of longitudinal coherence functions by spatial modulation of an extended light source: a new interpretation and experimental verifications. Applied Optics, 2002, 41, 1962.	2.1	40
49	Enhanced resolution in Fourier incoherent single channel holography (FISCH) with reduced optical path difference. Optics Express, 2013, 21, 20131.	1.7	40
50	Enhanced super resolution using Fresnel incoherent correlation holography with structured illumination. Optics Letters, 2016, 41, 1558.	1.7	39
51	Extending the field of view by a scattering window in an I-COACH system. Optics Letters, 2018, 43, 1043.	1.7	39
52	Learning in correlators based on projections onto constraint sets. Optics Letters, 1993, 18, 1183.	1.7	38
53	Roadmap on Digital Holography-Based Quantitative Phase Imaging. Journal of Imaging, 2021, 7, 252.	1.7	37
54	Superresolution far-field imaging by coded phase reflectors distributed only along the boundary of synthetic apertures. Optica, 2018, 5, 1607.	4.8	36

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55	Pseudonondiffracting slitlike beam and its analogy to the pseudonondispersing pulse. Optics Letters, 1995, 20, 423.	1.7	35
56	Optimal noise suppression in Fresnel incoherent correlation holography (FINCH) configured for maximum imaging resolution. Applied Optics, 2010, 49, 5757.	2.1	34
57	Snake beam: a paraxial arbitrary focal line. Optics Letters, 1995, 20, 2042.	1.7	33
58	Could SAFE concept be applied for designing a new synthetic aperture telescope?. Optics Express, 2011, 19, 4924.	1.7	33
59	Partial aperture imaging by systems with annular phase coded masks. Optics Express, 2017, 25, 33315.	1.7	33
60	Modified Fresnel computer-generated hologram directly recorded by multiple-viewpoint projections. Applied Optics, 2008, 47, D21.	2.1	32
61	Enhanced-resolution using modified configuration of Fresnel incoherent holographic recorder with synthetic aperture. Optics Express, 2014, 22, 20551.	1.7	32
62	Resolving images by blurring: superresolution method with a scattering mask between the observed objects and the hologram recorder. Optica, 2017, 4, 932.	4.8	32
63	Phase extraction pattern recognition. Applied Optics, 1992, 31, 1126.	2.1	31
64	Synthesizing computer generated holograms with reduced number of perspective projections. Optics Express, 2007, 15, 13250.	1.7	30
65	Reconstruction guarantees for compressive tomographic holography. Optics Letters, 2013, 38, 2509.	1.7	30
66	3D Imaging through Scatterers with Interferenceless Optical System. Scientific Reports, 2018, 8, 1134.	1.6	30
67	Review of 3D Imaging by Coded Aperture Correlation Holography (COACH). Applied Sciences (Switzerland), 2019, 9, 605.	1.3	30
68	Application of the projection-onto-constraint-sets algorithm for optical pattern recognition. Optics Letters, 1991, 16, 752.	1.7	29
69	Synthesis of nondiffracting beams in free space. Optics Letters, 1994, 19, 369.	1.7	29
70	One-dimensional beam shaping. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 1702.	0.8	29
71	Resolution enhancement in nonlinear interferenceless COACH with point response of subdiffraction limit patterns. Optics Express, 2019, 27, 391.	1.7	29
72	Interferenceless and motionless method for recording digital holograms of coherently illuminated 3D objects by coded aperture correlation holography system. Optics Express, 2019, 27, 24324.	1.7	29

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73	Depth-of-field engineering in coded aperture imaging. Optics Express, 2021, 29, 1634.	1.7	28
74	Roadmap on chaos-inspired imaging technologies (CI2-Tech). Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	27
75	Seeing through biological tissues using the fly eye principle. Optics Express, 2003, 11, 3605.	1.7	26
76	Noninvasive optical imaging by speckle ensemble. Optics Letters, 2004, 29, 253.	1.7	26
77	Fresnel incoherent correlation holography (FINCH): a review of research. Advanced Optical Technologies, 2012, 1, 151-169.	0.9	25
78	A Review of Incoherent Digital Fresnel Holography. Journal of Holography and Speckle, 2009, 5, 124-140.	0.1	25
79	Superresolution beyond the diffraction limit using phase spatial light modulator between incoherently illuminated objects and the entrance of an imaging system. Optics Letters, 2019, 44, 1572.	1.7	24
80	Multiple-viewpoint projection holograms synthesized by spatially incoherent correlation with broadband functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2129.	0.8	23
81	High-resolution imaging system with an annular aperture of coded phase masks for endoscopic applications. Optics Express, 2020, 28, 15122.	1.7	23
82	Generation of structured light by multilevel orbital angular momentum holograms. Optics Express, 2019, 27, 6459.	1.7	23
83	Reconstruction of longitudinal distributed incoherent sources. Optics Letters, 1996, 21, 1803.	1.7	22
84	Faithful reconstruction of digital holograms captured by FINCH using a Hamming window function in the Fresnel propagation. Optics Letters, 2013, 38, 3922.	1.7	22
85	Application of serial- and parallel-projection methods to correlation-filter design. Applied Optics, 1995, 34, 3883.	2.1	21
86	Computer-generated holograms of images reconstructed on curved surfaces. Applied Optics, 1999, 38, 6136.	2.1	21
87	Spatial coherence radar applied for tilted surface profilometry. Optical Engineering, 2003, 42, 830.	0.5	21
88	Sparse synthetic aperture with Fresnel elements (S-SAFE) using digital incoherent holograms. Optics Express, 2015, 23, 20941.	1.7	21
89	Distortion invariant pattern recognition with phase filters. Applied Optics, 1987, 26, 2315.	2.1	19
90	Single-plane and multiplane quantitative phase imaging by self-reference on-axis holography with a phase-shifting method. Optics Express, 2021, 29, 24210.	1.7	19

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91	Three-Dimensional Incoherent Imaging Using Spiral Rotating Point Spread Functions Created by Double-Helix Beams [Invited]. Nanoscale Research Letters, 2022, 17, 37.	3.1	19
92	Super-resolution imaging by optical incoherent synthetic aperture with one channel at a time. Photonics Research, 2021, 9, 1172.	3.4	18
93	Phase flicker optimisation in digital liquid crystal on silicon devices. Optics Express, 2019, 27, 24556.	1.7	18
94	Coded aperture correlation holographic microscope for single-shot quantitative phase and amplitude imaging with extended field of view. Optics Express, 2020, 28, 27372.	1.7	18
95	Nonlinear Reconstruction of Images from Patterns Generated by Deterministic or Random Optical Masksâ€"Concepts and Review of Research. Journal of Imaging, 2022, 8, 174.	1.7	18
96	Experimental demonstration of square Fresnel zone plate with chiral side lobes. Applied Optics, 2017, 56, F128.	2.1	17
97	Imaging through scattering medium by adaptive non-linear digital processing. Scientific Reports, 2018, 8, 10517.	1.6	17
98	Doubling the acquisition rate by spatial multiplexing of holograms in coherent sparse coded aperture correlation holography. Optics Letters, 2020, 45, 3439.	1.7	17
99	Partial aperture imaging system based on sparse point spread holograms and nonlinear cross-correlations. Scientific Reports, 2020, 10, 21983.	1.6	17
100	Iterative generation of holograms on spatial light modulators. Optics Letters, 1990, 15, 556.	1.7	16
101	Multiple-object input in nonlinear correlation. Applied Optics, 1993, 32, 1919.	2.1	16
102	Parallel-mode scanning optical sectioning using digital Fresnel holography with three-wave interference phase-shifting. Optics Express, 2016, 24, 2200.	1.7	16
103	Resolution-enhanced imaging using interferenceless coded aperture correlation holography with sparse point response. Scientific Reports, 2020, 10, 5033.	1.6	16
104	Pattern recognition using reduced information content filters. Applied Optics, 1987, 26, 2311.	2.1	15
105	Wavelength-multiplexed computer-generated volume holography. Optics Letters, 1993, 18, 744.	1.7	15
106	Optical implementation of phase extraction pattern recognition. Optics Communications, 1991, 83, 10-14.	1.0	14
107	Electro-optic hologram generation on spatial light modulators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 1159.	0.8	14
108	Optical incoherent synthetic aperture imaging by superposition of phase-shifted optical transfer functions. Optics Letters, 2021, 46, 1712.	1.7	14

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109	Edge and Contrast Enhancement Using Spatially Incoherent Correlation Holography Techniques. Photonics, 2021, 8, 224.	0.9	14
110	Implementation of a speckle-correlation-based optical lever with extended dynamic range. Applied Optics, 2019, 58, 5982.	0.9	14
111	Single-shot TIE using polarization multiplexing (STIEP) for quantitative phase imaging. Optics and Lasers in Engineering, 2022, 151, 106912.	2.0	14
112	Coded aperture correlation holography (COACH) with a superior lateral resolution of FINCH and axial resolution of conventional direct imaging systems. Optics Express, 2021, 29, 42106.	1.7	14
113	Iterative generation of complex reference functions in a joint-transform correlator. Optics Letters, 1991, 16, 330.	1.7	13
114	Optical binary-matrix synthesis for solving bounded NP-complete combinatorial problems. Optical Engineering, 2007, 46, 108201.	0.5	13
115	Improved illumination system for spatial coherence control. Applied Optics, 2010, 49, D12.	2.1	13
116	Three-Dimensional Imaging by Self-Reference Single-Channel Digital Incoherent Holography. IEEE Transactions on Industrial Informatics, 2016, 12, 1571-1583.	7.2	13
117	Phase contrast-based phase retrieval: a bridge between qualitative phase contrast and quantitative phase imaging by phase retrieval algorithms. Optics Letters, 2020, 45, 5812.	1.7	13
118	Single channel in-line multimodal digital holography. Optics Letters, 2013, 38, 4719.	1.7	12
119	Spatial light modulator aided noninvasive imaging through scattering layers. Scientific Reports, 2019, 9, 17670.	1.6	12
120	Three-dimensional pattern recognition with a single two-dimensional synthetic reference function. Applied Optics, 2000, 39, 1251.	2.1	11
121	General configuration for using the longitudinal spatial coherence effect. Optics Communications, 2005, 252, 22-28.	1.0	11
122	Watermarks encrypted in a concealogram and deciphered by a modified joint-transform correlator. Applied Optics, 2005, 44, 3019.	2.1	11
123	Methods of Single-Channel Digital Holography for Three-Dimensional Imaging. IEEE Transactions on Industrial Informatics, 2016, 12, 220-230.	7.2	11
124	Retardation and reduction of pulse distortion by group-velocity dispersion through pulse shaping. Optics Letters, 1995, 20, 1412.	1.7	10
125	Average coherence approximation for partially coherent optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 2086.	0.8	10
126	Object recognition using three-dimensional optical quasi-correlation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 1755.	0.8	10

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127	Synthesis of a multiple-peak spatial degree of coherence for imaging through absorbing media. Applied Optics, 2005, 44, 2921.	2.1	10
128	Performance comparison of iterative algorithms for generating digital correlation holograms used in optical security systems. Applied Optics, 2006, 45, 4617.	2.1	10
129	Interferenceless coded aperture correlation holography with synthetic point spread holograms. Applied Optics, 2020, 59, 7321.	0.9	10
130	Recent progress in digital holography with dynamic diffractive phase apertures [Invited]. Applied Optics, 2022, 61, B171.	0.9	10
131	Review of engineering techniques in chaotic coded aperture imagers. Light Advanced Manufacturing, 2022, 3, 1.	2.2	10
132	Three-dimensional optical correlator with general complex filters. Applied Optics, 2000, 39, 6561.	2.1	9
133	Review of three-dimensional holographic imaging by Fresnel incoherent correlation holograms. 3D Research, 2010, 1, 28-35.	1.8	9
134	Nondiffracting images under coherent illumination. Optics Letters, 1995, 20, 1743.	1.7	8
135	Digital correlation holograms implemented on a joint transform correlator. Optics Communications, 2003, 225, 31-37.	1.0	8
136	Fresnel incoherent correlation hologram-a review. Chinese Optics Letters, 2009, 7, 1134-1141.	1.3	8
137	Interferometric electro-optical signal processors with partially coherent illumination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 1498.	0.8	7
138	NOISE 2 imaging system: seeing through scattering tissue with a reference point. Optics Letters, 2004, 29, 956.	1.7	7
139	Common path in-line holography using enhanced joint object reference digital interferometers. Optics Express, 2014, 22, 4995.	1.7	7
140	Generation of continuous complex-valued functions for a joint transform correlator. Applied Optics, 1994, 33, 4398.	2.1	6
141	Scale-invariant recognition of three-dimensional objects by use of a quasi-correlator. Applied Optics, 2003, 42, 811.	2.1	6
142	Incoherent digital holography with phase-only spatial light modulators. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2015, 14, 041307.	1.0	6
143	COACH-based Shackâ€“Hartmann wavefront sensor with an array of phase coded masks. Optics Express, 2021, 29, 31859.	1.7	6
144	Pseudo-nondiffracting beams generated by radial harmonic functions: erratum. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 387.	0.8	5

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145	Fluorescence multicolor hologram recorded by using a macrolens array. Optics Letters, 2008, 33, 1461.	1.7	5
146	Imaging through Partially Occluding Media Using Compressive Sensing. Optics and Photonics News, 2012, 23, 32.	0.4	5
147	Circular Polarization of Transmitted Light by Sapphirinidae Copepods. PLoS ONE, 2014, 9, e86131.	1.1	5
148	Three-dimensional Spatial Electro-optical Correlator. Optics and Photonics News, 1998, 9, 45.	0.4	4
149	Synthetic spatial coherence function for optical tomography and profilometry: simultaneous realization of longitudinal coherence scan and phase shift. , 2002, , .		4
150	Noninvasive optical tomographic imaging by speckle ensemble. , 2005, 5908, 590801.		4
151	Holographic parallel processor for calculating Kronecker product. Natural Computing, 2015, 14, 433-436.	1.8	4
152	Binary square axicon with chiral focusing properties for optical trapping. Optical Engineering, 2019, 59, 1.	0.5	4
153	Phase Diversity Implementation in Fresnel Incoherent Holography. , 2013, , .		4
154	Interferenceless coded aperture correlation holographyÂwithÂpoint spreadÂhologramsÂof isolated chaotic islands for 3D imaging. Scientific Reports, 2022, 12, 4544.	1.6	4
155	Complex reference discriminant functions implemented iteratively on a joint transform correlator. Applied Optics, 1991, 30, 5111.	2.1	3
156	Stereoscopic imaging through scattering media. Optics Letters, 2006, 31, 724.	1.7	3
157	Three-dimensional object recognition using a quasi-correlator invariant to imaging distances. Optics Express, 2008, 16, 17148.	1.7	3
158	Digital holography and 3D imaging: introduction to feature issue. Applied Optics, 2013, 52, DH1.	0.9	3
159	Three-dimensional imaging by self-reference digital holograms. , 2015, , .		3
160	Spatial Multiplexing Technique for Improving Dynamic Range of Speckle Correlation based Optical Lever. Scientific Reports, 2019, 9, 16035.	1.6	3
161	Optimization methods for pattern recognition. Proceedings of SPIE, 1992, 10262, 3.	0.8	2
162	Three Dimensional Reconstruction of Random Radiation Sources. Optics and Photonics News, 1996, 7, 37.	0.4	2

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163	Concealogram: an image within an image. , 2002, 4789, 44.		2
164	Fourier, Fresnel, and Image CGHs of three-dimensional objects observed from many different projections. , 2004, 5531, 273.		2
165	Synthetic spatial coherence function for optical tomography and profilometry: influence of the observation condition. , 2004, , .		2
166	An improved illumination system for spatial coherence control. , 2004, , .		2
167	Incoherent holographic imaging through thin turbulent media. Optics Communications, 2009, 282, 1546-1550.	1.0	2
168	Digital Holography and 3-D Imaging: feature introduction. Applied Optics, 2009, 48, DH2.	2.1	2
169	FINCH: Fresnel Incoherent Correlation Hologram. , 2011, , .		2
170	Joint Object Reference Digital Interferometer (JORDI): A Single Spatial Light Modulator Based Design. , 2014, , .		2
171	Composite Phase Filters For Distortion Invariant Pattern Recognition. , 1987, 0813, 285.		1
172	New principle for optical tomography and profilometry based on spatial coherence synthesis with a spatially modulated extended light source. , 2001, , .		1
173	Steganography and Encryption Systems Based on Spatial Correlators with Meaningful Output Images. Advanced Sciences and Technologies for Security Applications, 2005, , 59-94.	0.4	1
174	Optical processor for solving the traveling salesman problem (TSP). , 2006, , .		1
175	Techniques of noninvasive optical tomographic imaging. , 2006, , .		1
176	Improvement of spectral and axial resolutions in modified coded aperture correlation holography (COACH) imaging system. , 2017, , .		1
177	On the tomographic reconstruction resolution from compressive holography. , 2013, , .		1
178	Incoherent Optical Imaging using Synthetic Aperture with Fresnel Elements. , 2009, , .		1
179	Speckle Noise Suppression in Fresnel Incoherent Correlation Holography. , 2010, , .		1
180	Coherence Holography and Spatial Frequency Comb for 3-D Coherence Imaging. , 2008, , .		1

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181	Compressive Sensing Approach for Reducing the Number of Exposures in Multiple View Projection Holography. , 2010, , .		1
182	Compressive Fresnel holography for object reconstruction through an occluding plane. , 2012, , .		1
183	Single-channel in-line multi-modal digital hologram recorder. , 2013, , .		1
184	Enhanced resolution using Fresnel incoherent correlation holography with structured illumination. , 2016, , .		1
185	Interferenceless Coded Aperture Correlation Holography â€“ A Way to Record Incoherent Digital Holograms from a Single Viewpoint without Wave Interference. , 2017, , .		1
186	Resolution Enhancement of imaging systems using a phase-only SLM. , 2019, , .		1
187	Triplator - optical signal processor based on ratational shearing interferometer. Optics Communications, 1993, 97, 115-129.	1.0	0
188	Reduction in the reconstruction error of computer-generated holograms by photorefractive volume holography. Optics Letters, 1993, 18, 1858.	1.7	0
189	Depth of Focus Enhancement and Twisted Beams Using Radial Harmonic Pupil Filters. Optics and Photonics News, 1995, 6, 14.	0.4	0
190	<title>Computer-generated holograms of three-dimensional real objects</title>. , 2001, , .		0
191	Optical quasi-three-dimensional correlation. , 2002, , .		0
192	Digital correlation hologram implemented on an optical correlator. , 2003, 5202, 114.		0
193	Reconstruction objects hidden in scattering medium using microlens array. , 2004, , .		0
194	<title>Holographic three-dimensional computer-aided imaging</title>. , 2005, , .		0
195	Holography of incoherently illuminated 3D scenes. , 2008, , .		0
196	Digital holography and 3-D imaging: Interactive Science Publishing. Applied Optics, 2009, 48, DH1.	2.1	0
197	Selected topics in 3D Electrooptical Image Processing. , 2010, , .		0
198	Compressive digital holography for reconstruction of partially occluded objects. , 2012, , .		0

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199	Recent advances in FINCH technology. , 2016, , .		0
200	3D Image Acquisition by Incoherent Digital Holography. , 2017, , .		0
201	Phase-contrast-based holographic quantitative phase imaging by only two exposures. , 2021, , .		0
202	Field-of-view extended quantitative phase microscope by coded aperture correlation holography. , 2021, , .		0
203	Resolution-enhanced partial aperture imaging system using annular coded phase reflectors. , 2021, , .		0
204	Quantitative phase-contrast by using a modified phase retrieval algorithm. , 2021, , .		0
205	Three-dimensional holographic imaging. , 2003, , .		0
206	Reconstruction Hidden Objects with Multiple Spackle Images using Microlens Array for Medical Diagnostics. , 2006, , .		0
207	Stereoscopic Imaging through Turbid Media using Couple of Microlens Array. , 2006, , .		0
208	White-Light Single-Shot Digital Hologram Recorder. , 2007, , .		0
209	Fresnel Incoherent Digital Holograms Directly Recorded by Multiple Viewpoint Projections. , 2008, , .		0
210	Synthesizing Incoherent Digital Holograms with Reduced Number of Projections. , 2008, , .		0
211	Coherence Holography and Spatial Frequency Comb for 3-D Coherence Imaging. , 2008, , .		0
212	Multi-Channel Incoherent Digital Holography. , 2009, , .		0
213	Depth Estimation and Optical Sectioning by Parallax Analysis. , 2009, , .		0
214	Incoherent Digital Holographic Microscopy with Coherent and Incoherent Light. Springer Series in Surface Sciences, 2011, , 87-112.	0.3	0
215	Holographic Computation of Balanced Succinct Permanent Instances. Lecture Notes in Computer Science, 2011, , 100-112.	1.0	0
216	Conceptual Basis for Designing Holographic Synthetic Aperture Telescope. , 2011, , .		0

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217	Achieving the Rayleigh Limit in Fresnel Incoherent Correlation Holographic 3D Fluorescence Microscopy. , 2011, , .		0
218	Compressive sensing techniques applied in holography: theory and examples. , 2012, , .		0
219	Digital Spatially Incoherent Fourier Holography. , 2012, , .		0
220	High fidelity reconstruction of three-dimensional objects by FINCH fluorescence microscopy. , 2012, , .		0
221	Enhanced Design of Fourier Incoherent Single Channel Holography (FISCH). , 2013, , .		0
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