

# Joseph Rosen

## List of Publications by Year in descending order

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247  
papers

6,111  
citations

61857

43  
h-index

91712

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g-index

251  
all docs

251  
docs citations

251  
times ranked

1516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in digital holography with dynamic diffractive phase apertures [Invited]. Applied Optics, 2022, 61, B171.	0.9	10
2	Single-shot TIE using polarization multiplexing (STIEP) for quantitative phase imaging. Optics and Lasers in Engineering, 2022, 151, 106912.	2.0	14
3	Review of engineering techniques in chaotic coded aperture imagers. Light Advanced Manufacturing, 2022, 3, 1.	2.2	10
4	Roadmap on chaos-inspired imaging technologies (CI2-Tech). Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	27
5	Interferenceless coded aperture correlation holography with point spread holograms of isolated chaotic islands for 3D imaging. Scientific Reports, 2022, 12, 4544.	1.6	4
6	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
7	Nonlinear Reconstruction of Images from Patterns Generated by Deterministic or Random Optical Masks—Concepts and Review of Research. Journal of Imaging, 2022, 8, 174.	1.7	18
8	Phase-contrast-based holographic quantitative phase imaging by only two exposures. , 2021, , .		0
9	Field-of-view extended quantitative phase microscope by coded aperture correlation holography. , 2021, , .		0
10	Resolution-enhanced partial aperture imaging system using annular coded phase reflectors. , 2021, , .		0
11	Quantitative phase-contrast by using a modified phase retrieval algorithm. , 2021, , .		0
12	Optical incoherent synthetic aperture imaging by superposition of phase-shifted optical transfer functions. Optics Letters, 2021, 46, 1712.	1.7	14
13	Super-resolution imaging by optical incoherent synthetic aperture with one channel at a time. Photonics Research, 2021, 9, 1172.	3.4	18
14	Edge and Contrast Enhancement Using Spatially Incoherent Correlation Holography Techniques. Photonics, 2021, 8, 224.	0.9	14
15	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
16	Roadmap on Recent Progress in FINCH Technology. Journal of Imaging, 2021, 7, 197.	1.7	51
17	COACH-based Shack—Hartmann wavefront sensor with an array of phase coded masks. Optics Express, 2021, 29, 31859.	1.7	6
18	Roadmap on digital holography [Invited]. Optics Express, 2021, 29, 35078.	1.7	133

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19	Depth-of-field engineering in coded aperture imaging. Optics Express, 2021, 29, 1634.	1.7	28
20	COACH-based Shack-Hartmann wavefront sensor. , 2021, , .		0
21	Solving the century-old problem of incoherent imaging systems with synthetic aperture using a single opening instead of two. , 2021, , .		0
22	Recent developments in digital holographic imaging by coded aperture correlation holography. , 2021, , .		0
23	Roadmap on Digital Holography-Based Quantitative Phase Imaging. Journal of Imaging, 2021, 7, 252.	1.7	37
24	Enhanced Reconstruction of Spatially Incoherent Digital Holograms Using Synthetic Point Spread Holograms. , 2021, 11, .		0
25	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
26	High-resolution imaging system with an annular aperture of coded phase masks for endoscopic applications. Optics Express, 2020, 28, 15122.	1.7	23
27	Resolution-enhanced imaging using interferenceless coded aperture correlation holography with sparse point response. Scientific Reports, 2020, 10, 5033.	1.6	16
28	Interferenceless coded aperture correlation holography with synthetic point spread holograms. Applied Optics, 2020, 59, 7321.	0.9	10
29	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
30	Doubling the acquisition rate by spatial multiplexing of holograms in coherent sparse coded aperture correlation holography. Optics Letters, 2020, 45, 3439.	1.7	17
31	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
32	Synthetic Aperture Imaging with Sparse Point Response by Annular Array of Coded Phase Reflectors. , 2020, , .		0
33	Interferenceless Recording of Coherent Holograms using Coded Phase Apertures. , 2020, , .		0
34	Partial aperture imaging system based on sparse point spread holograms and nonlinear cross-correlations. Scientific Reports, 2020, 10, 21983.	1.6	17
35	Engineered Depth of Field in Coded Aperture Imaging. , 2020, , .		0
36	Coded aperture imaging with sparse point response for improving resolution and signal-to-noise ratio. , 2020, , .		0

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37	Quantitative Phase Imaging using Coded Aperture Correlation Holography. , 2020, , .		0
38	Recent Developments of Holographic Imaging by Coded Phase Apertures. , 2020, , .		0
39	Review of 3D Imaging by Coded Aperture Correlation Holography (COACH). Applied Sciences (Switzerland), 2019, 9, 605.	1.3	30
40	Spatial light modulator aided noninvasive imaging through scattering layers. Scientific Reports, 2019, 9, 17670.	1.6	12
41	Spatial Multiplexing Technique for Improving Dynamic Range of Speckle Correlation based Optical Lever. Scientific Reports, 2019, 9, 16035.	1.6	3
42	Binary square axicon with chiral focusing properties for optical trapping. Optical Engineering, 2019, 59, 1.	0.5	4
43	Implementation of a speckle-correlation-based optical lever with extended dynamic range. Applied Optics, 2019, 58, 5982.	0.9	14
44	Recent advances in self-interference incoherent digital holography. Advances in Optics and Photonics, 2019, 11, 1.	12.1	139
45	Resolution enhancement in nonlinear interferenceless COACH with point response of subdiffraction limit patterns. Optics Express, 2019, 27, 391.	1.7	29
46	Generation of structured light by multilevel orbital angular momentum holograms. Optics Express, 2019, 27, 6459.	1.7	23
47	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
48	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
49	Phase flicker optimisation in digital liquid crystal on silicon devices. Optics Express, 2019, 27, 24556.	1.7	18
50	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
51	Noninvasive imaging through a thin scattering layer using coded phase masks. , 2019, , .		0
52	Resolution Enhancement of imaging systems using a phase-only SLM. , 2019, , .		1
53	Speckle correlation technique to improve the dynamic range of an optical lever. , 2019, , .		0
54	Superresolution Far-Field Imaging by Coded Phase Reflectors. , 2019, , .		0

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55	3D Imaging through Scatterers with Interferenceless Optical System. Scientific Reports, 2018, 8, 1134.	1.6	30
56	Non-linear adaptive three-dimensional imaging with interferenceless coded aperture correlation holography (I-COACH). Optics Express, 2018, 26, 18143.	1.7	90
57	Extending the field of view by a scattering window in an I-COACH system. Optics Letters, 2018, 43, 1043.	1.7	39
58	Imaging through scattering medium by adaptive non-linear digital processing. Scientific Reports, 2018, 8, 10517.	1.6	17
59	Superresolution far-field imaging by coded phase reflectors distributed only along the boundary of synthetic apertures. Optica, 2018, 5, 1607.	4.8	36
60	Interferenceless coded aperture correlation holography with single shot recording and non-linear reconstructing. , 2018, , .		0
61	Far-Field Imaging by Annular Phase Coded Apertures. , 2018, , .		0
62	Extending the field of view by a scattering window. , 2018, , .		0
63	Is phase measurement necessary for incoherent holographic 3D imaging?. , 2018, , .		0
64	Incoherent digital holography for biomedical imaging. , 2018, , .		0
65	Improvement of spectral and axial resolutions in modified coded aperture correlation holography (COACH) imaging system. , 2017, , .		1
66	Incoherent digital holograms acquired by interferenceless coded aperture correlation holography system without refractive lenses. Scientific Reports, 2017, 7, 11555.	1.6	41
67	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
68	Partial aperture imaging by systems with annular phase coded masks. Optics Express, 2017, 25, 33315.	1.7	33
69	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
70	Experimental demonstration of square Fresnel zone plate with chiral side lobes. Applied Optics, 2017, 56, F128.	2.1	17
71	Single camera shot interferenceless coded aperture correlation holography. Optics Letters, 2017, 42, 3992.	1.7	46
72	3D Image Acquisition by Incoherent Digital Holography. , 2017, , .		0

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73	Coded aperture correlation holography system with improved performance [Invited]. Applied Optics, 2017, 56, F67.	2.1	58
74	Spectrum and space resolved 4D imaging by coded aperture correlation holography (COACH) with diffractive objective lens. Optics Letters, 2017, 42, 947.	1.7	47
75	Interferenceless Coded Aperture Correlation Holography – A Way to Record Incoherent Digital Holograms from a Single Viewpoint without Wave Interference. , 2017, , .		1
76	Super-resolution method using phase scattering masks between observed objects and the hologram recorder. , 2017, , .		0
77	FINCH and other methods of incoherent digital holography. , 2017, , .		0
78	Methods of Single-Channel Digital Holography for Three-Dimensional Imaging. IEEE Transactions on Industrial Informatics, 2016, 12, 220-230.	7.2	11
79	Recent advances in FINCH technology. , 2016, , .		0
80	Enhanced super resolution using Fresnel incoherent correlation holography with structured illumination. Optics Letters, 2016, 41, 1558.	1.7	39
81	Three-Dimensional Imaging by Self-Reference Single-Channel Digital Incoherent Holography. IEEE Transactions on Industrial Informatics, 2016, 12, 1571-1583.	7.2	13
82	Coded aperture correlation holography – a new type of incoherent digital holograms. Optics Express, 2016, 24, 12430.	1.7	120
83	Parallel-mode scanning optical sectioning using digital Fresnel holography with three-wave interference phase-shifting. Optics Express, 2016, 24, 2200.	1.7	16
84	Enhanced resolution using Fresnel incoherent correlation holography with structured illumination. , 2016, , .		1
85	Coded Aperture Incoherent Digital Holography. , 2016, , .		0
86	Spectrum and space resolved 4D imaging by coded aperture correlation holography (COACH). , 2016, , .		0
87	Three-dimensional imaging by self-reference digital holograms. , 2015, , .		3
88	Sparse synthetic aperture with Fresnel elements (S-SAFE) using digital incoherent holograms. Optics Express, 2015, 23, 20941.	1.7	21
89	Incoherent digital holography with phase-only spatial light modulators. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2015, 14, 041307.	1.0	6
90	Holographic parallel processor for calculating Kronecker product. Natural Computing, 2015, 14, 433-436.	1.8	4

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91	Enhanced-resolution by Sparse Synthetic Aperture with Fresnel Elements (S-SAFE). , 2015, , .		0
92	Circular Polarization of Transmitted Light by Sapphirinidae Copepods. PLoS ONE, 2014, 9, e86131.	1.1	5
93	Optical sectioning using a digital Fresnel incoherent-holography-based confocal imaging system. Optica, 2014, 1, 70.	4.8	44
94	Common path in-line holography using enhanced joint object reference digital interferometers. Optics Express, 2014, 22, 4995.	1.7	7
95	Enhanced-resolution using modified configuration of Fresnel incoherent holographic recorder with synthetic aperture. Optics Express, 2014, 22, 20551.	1.7	32
96	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
97	Joint Object Reference Digital Interferometer (JORDI): A Single Spatial Light Modulator Based Design. , 2014, , .		2
98	Optical Sectioning by Confocal Fresnel Incoherent Correlation Holography. , 2014, , .		0
99	Inherently super-resolving FINCH 3D fluorescence microscopy. , 2014, , .		0
100	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
101	Reconstruction guarantees for compressive tomographic holography. Optics Letters, 2013, 38, 2509.	1.7	30
102	Digital holography and 3D imaging: introduction to feature issue. Applied Optics, 2013, 52, DH1.	0.9	3
103	Single channel in-line multimodal digital holography. Optics Letters, 2013, 38, 4719.	1.7	12
104	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
105	Enhanced resolution in Fourier incoherent single channel holography (FISCH) with reduced optical path difference. Optics Express, 2013, 21, 20131.	1.7	40
106	Phase Diversity Implementation in Fresnel Incoherent Holography. , 2013, , .		4
107	On the tomographic reconstruction resolution from compressive holography. , 2013, , .		1
108	Enhanced Design of Fourier Incoherent Single Channel Holography (FISCH). , 2013, , .		0

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109	Single-channel in-line multi-modal digital hologram recorder. , 2013, , .		1
110	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
111	Recovery of partially occluded objects by applying compressive Fresnel holography. Optics Letters, 2012, 37, 1757.	1.7	44
112	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
113	Spatially incoherent single channel digital Fourier holography. Optics Letters, 2012, 37, 3723.	1.7	72
114	Compressive digital holography for reconstruction of partially occluded objects. , 2012, , .		0
115	Fresnel incoherent correlation holography (FINCH): a review of research. Advanced Optical Technologies, 2012, 1, 151-169.	0.9	25
116	Imaging through Partially Occluding Media Using Compressive Sensing. Optics and Photonics News, 2012, 23, 32.	0.4	5
117	Compressive Fresnel holography for object reconstruction through an occluding plane. , 2012, , .		1
118	Compressive sensing techniques applied in holography: theory and examples. , 2012, , .		0
119	Digital Spatially Incoherent Fourier Holography. , 2012, , .		0
120	High fidelity reconstruction of three-dimensional objects by FINCH fluorescence microscopy. , 2012, , .		0
121	Could SAFE concept be applied for designing a new synthetic aperture telescope?. Optics Express, 2011, 19, 4924.	1.7	33
122	Optimal resolution in Fresnel incoherent correlation holographic fluorescence microscopy. Optics Express, 2011, 19, 5047.	1.7	129
123	Compressive multiple view projection incoherent holography. Optics Express, 2011, 19, 6109.	1.7	61
124	Theoretical and experimental demonstration of resolution beyond the Rayleigh limit by FINCH fluorescence microscopic imaging. Optics Express, 2011, 19, 26249.	1.7	148
125	FINCH: Fresnel Incoherent Correlation Hologram. , 2011, , .		2
126	Incoherent Digital Holographic Microscopy with Coherent and Incoherent Light. Springer Series in Surface Sciences, 2011, , 87-112.	0.3	0



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127	Holographic Computation of Balanced Succinct Permanent Instances. Lecture Notes in Computer Science, 2011, , 100-112.	1.0	0
128	Conceptual Basis for Designing Holographic Synthetic Aperture Telescope. , 2011, , .		0
129	Achieving the Rayleigh Limit in Fresnel Incoherent Correlation Holographic 3D Fluorescence Microscopy. , 2011, , .		0
130	Review of three-dimensional holographic imaging by Fresnel incoherent correlation holograms. 3D Research, 2010, 1, 28-35.	1.8	9
131	Selected topics in 3D Electrooptical Image Processing. , 2010, , .		0
132	Improved illumination system for spatial coherence control. Applied Optics, 2010, 49, D12.	2.1	13
133	Optimal noise suppression in Fresnel incoherent correlation holography (FINCH) configured for maximum imaging resolution. Applied Optics, 2010, 49, 5757.	2.1	34
134	Super-resolution in incoherent optical imaging using synthetic aperture with Fresnel elements. Optics Express, 2010, 18, 962.	1.7	66
135	Speckle Noise Suppression in Fresnel Incoherent Correlation Holography. , 2010, , .		1
136	Compressive Sensing Approach for Reducing the Number of Exposures in Multiple View Projection Holography. , 2010, , .		1
137	Incoherent holographic imaging through thin turbulent media. Optics Communications, 2009, 282, 1546-1550.	1.0	2
138	Digital holography and 3-D imaging: Interactive Science Publishing. Applied Optics, 2009, 48, DH1.	2.1	0
139	Digital Holography and 3-D Imaging: feature introduction. Applied Optics, 2009, 48, DH2.	2.1	2
140	Review of three-dimensional holographic imaging by multiple-viewpoint-projection based methods. Applied Optics, 2009, 48, H120.	2.1	106
141	Fresnel incoherent correlation hologram-a review. Chinese Optics Letters, 2009, 7, 1134-1141.	1.3	8
142	A Review of Incoherent Digital Fresnel Holography. Journal of Holography and Speckle, 2009, 5, 124-140.	0.1	25
143	Incoherent Optical Imaging using Synthetic Aperture with Fresnel Elements. , 2009, , .		1
144	Multi-Channel Incoherent Digital Holography. , 2009, , .		0

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145	Depth Estimation and Optical Sectioning by Parallax Analysis. , 2009, , .		0
146	Non-scanning motionless fluorescence three-dimensional holographic microscopy. Nature Photonics, 2008, 2, 190-195.	15.6	372
147	Fluorescence multicolor hologram recorded by using a macrolens array. Optics Letters, 2008, 33, 1461.	1.7	5
148	Modified Fresnel computer-generated hologram directly recorded by multiple-viewpoint projections. Applied Optics, 2008, 47, D21.	2.1	32
149	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
150	Three-dimensional object recognition using a quasi-correlator invariant to imaging distances. Optics Express, 2008, 16, 17148.	1.7	3
151	Holography of incoherently illuminated 3D scenes. , 2008, , .		0
152	Coherence Holography and Spatial Frequency Comb for 3-D Coherence Imaging. , 2008, , .		1
153	Fresnel Incoherent Digital Holograms Directly Recorded by Multiple Viewpoint Projections. , 2008, , .		0
154	Synthesizing Incoherent Digital Holograms with Reduced Number of Projections. , 2008, , .		0
155	Coherence Holography and Spatial Frequency Comb for 3-D Coherence Imaging. , 2008, , .		0
156	Optical binary-matrix synthesis for solving bounded NP-complete combinatorial problems. Optical Engineering, 2007, 46, 108201.	0.5	13
157	Digital spatially incoherent Fresnel holography. Optics Letters, 2007, 32, 912.	1.7	441
158	Fluorescence incoherent color holography. Optics Express, 2007, 15, 2244.	1.7	126
159	Integral holography: white-light single-shot hologram acquisition. Optics Express, 2007, 15, 5754.	1.7	67
160	Synthesizing computer generated holograms with reduced number of perspective projections. Optics Express, 2007, 15, 13250.	1.7	30
161	Optical solution for bounded NP-complete problems. Applied Optics, 2007, 46, 711.	2.1	53
162	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

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163	White-Light Single-Shot Digital Hologram Recorder. , 2007, , .		0
164	Stereoscopic imaging through scattering media. Optics Letters, 2006, 31, 724.	1.7	3
165	Homodyne scanning holography. Optics Express, 2006, 14, 4280.	1.7	47
166	Performance comparison of iterative algorithms for generating digital correlation holograms used in optical security systems. Applied Optics, 2006, 45, 4617.	2.1	10
167	Three types of computer-generated hologram synthesized from multiple angular viewpoints of a three-dimensional scene. Applied Optics, 2006, 45, 6533.	2.1	44
168	Optical processor for solving the traveling salesman problem (TSP). , 2006, , .		1
169	Techniques of noninvasive optical tomographic imaging. , 2006, , .		1
170	Reconstruction Hidden Objects with Multiple Spackle Images using Microlens Array for Medical Diagnostics. , 2006, , .		0
171	Stereoscopic Imaging through Turbid Media using Couple of Microlens Array. , 2006, , .		0
172	<title>Holographic three-dimensional computer-aided imaging</title>. , 2005, , .		0
173	Noninvasive optical tomographic imaging by speckle ensemble. , 2005, 5908, 590801.		4
174	General configuration for using the longitudinal spatial coherence effect. Optics Communications, 2005, 252, 22-28.	1.0	11
175	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
176	Synthesis of a multiple-peak spatial degree of coherence for imaging through absorbing media. Applied Optics, 2005, 44, 2921.	2.1	10
177	Watermarks encrypted in a concealogram and deciphered by a modified joint-transform correlator. Applied Optics, 2005, 44, 3019.	2.1	11
178	Fourier, Fresnel, and Image CGHs of three-dimensional objects observed from many different projections. , 2004, 5531, 273.		2
179	Noninvasive optical imaging by speckle ensemble. Optics Letters, 2004, 29, 253.	1.7	26
180	NOISE 2 imaging system: seeing through scattering tissue with a reference point. Optics Letters, 2004, 29, 956.	1.7	7

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181	Reconstruction objects hidden in scattering medium using microlens array. , 2004, , .		0
182	Synthetic spatial coherence function for optical tomography and profilometry: influence of the observation condition. , 2004, , .		2
183	An improved illumination system for spatial coherence control. , 2004, , .		2
184	Digital correlation holograms implemented on a joint transform correlator. Optics Communications, 2003, 225, 31-37.	1.0	8
185	Scale-invariant recognition of three-dimensional objects by use of a quasi-correlator. Applied Optics, 2003, 42, 811.	2.1	6
186	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
187	Seeing through biological tissues using the fly eye principle. Optics Express, 2003, 11, 3605.	1.7	26
188	Spatial coherence radar applied for tilted surface profilometry. Optical Engineering, 2003, 42, 830.	0.5	21
189	Digital correlation hologram implemented on an optical correlator. , 2003, 5202, 114.		0
190	Three-dimensional holographic imaging. , 2003, , .		0
191	Synthetic spatial coherence function for optical tomography and profilometry: simultaneous realization of longitudinal coherence scan and phase shift. , 2002, , .		4
192	Optical quasi-three-dimensional correlation. , 2002, , .		0
193	Concealogram: an image within an image. , 2002, 4789, 44.		2
194	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
195	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
196	Computer-generated holograms of three-dimensional realistic objects recorded without wave interference. Applied Optics, 2001, 40, 2864.	2.1	68
197	Hidden images in halftone pictures. Applied Optics, 2001, 40, 3346.	2.1	57
198	New principle for optical tomography and profilometry based on spatial coherence synthesis with a spatially modulated extended light source. , 2001, , .		1

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199	<title>Computer-generated holograms of three-dimensional real objects</title>. , 2001, , .		0
200	Security optical systems based on a joint transform correlator with significant output images. Optical Engineering, 2001, 40, 1584.	0.5	60
201	Three-dimensional pattern recognition with a single two-dimensional synthetic reference function. Applied Optics, 2000, 39, 1251.	2.1	11
202	Longitudinal spatial coherence applied for surface profilometry. Applied Optics, 2000, 39, 4107.	2.1	91
203	Security and encryption optical systems based on a correlator with significant output images. Applied Optics, 2000, 39, 5295.	2.1	146
204	Three-dimensional optical correlator with general complex filters. Applied Optics, 2000, 39, 6561.	2.1	9
205	Computer-generated holograms of images reconstructed on curved surfaces. Applied Optics, 1999, 38, 6136.	2.1	21
206	Three-dimensional joint transform correlator. Applied Optics, 1998, 37, 7538.	2.1	53
207	Three-dimensional Spatial Electro-optical Correlator. Optics and Photonics News, 1998, 9, 45.	0.4	4
208	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
209	Three-dimensional optical Fourier transform and correlation. Optics Letters, 1997, 22, 964.	1.7	47
210	Three-dimensional imaging of random radiation sources. Optics Letters, 1996, 21, 1011.	1.7	84
211	Reconstruction of longitudinal distributed incoherent sources. Optics Letters, 1996, 21, 1803.	1.7	22
212	Three Dimensional Reconstruction of Random Radiation Sources. Optics and Photonics News, 1996, 7, 37.	0.4	2
213	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
214	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
215	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
216	Longitudinal partial coherence of optical radiation. Optics Communications, 1995, 117, 8-12.	1.0	47

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217	Pseudonondiffracting slitlike beam and its analogy to the pseudonondispersing pulse. Optics Letters, 1995, 20, 423.	1.7	35
218	Retardation and reduction of pulse distortion by group-velocity dispersion through pulse shaping. Optics Letters, 1995, 20, 1412.	1.7	10
219	Nondiffracting images under coherent illumination. Optics Letters, 1995, 20, 1743.	1.7	8
220	Snake beam: a paraxial arbitrary focal line. Optics Letters, 1995, 20, 2042.	1.7	33
221	Depth of Focus Enhancement and Twisted Beams Using Radial Harmonic Pupil Filters. Optics and Photonics News, 1995, 6, 14.	0.4	0
222	One-dimensional beam shaping. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 1702.	0.8	29
223	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
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225	Synthesis of nondiffracting beams in free space. Optics Letters, 1994, 19, 369.	1.7	29
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