

# John T Sheridan

## List of Publications by Year in descending order

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377  
papers

7,913  
citations

53751

45  
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71651

76  
g-index

379  
all docs

379  
docs citations

379  
times ranked

2167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical image encryption by random shifting in fractional Fourier domains. <i>Optics Letters</i> , 2003, 28, 269.	1.7	409
2	Roadmap on optical security. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 083001.	1.0	338
3	A review of optical image encryption techniques. <i>Optics and Laser Technology</i> , 2014, 57, 327-342.	2.2	288
4	A known-plaintext heuristic attack on the Fourier plane encryption algorithm. <i>Optics Express</i> , 2006, 14, 3181.	1.7	213
5	Nonlocal-response diffusion model of holographic recording in photopolymer. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1108.	0.8	212
6	Photopolymer holographic recording material. <i>Optik</i> , 2001, 112, 449-463.	1.4	197
7	Optical operations on wave functions as the Abelian subgroups of the special affine Fourier transformation. <i>Optics Letters</i> , 1994, 19, 1801.	1.7	192
8	Generalizing, optimizing, and inventing numerical algorithms for the fractional Fourier, Fresnel, and linear canonical transforms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 917.	0.8	149
9	Fast numerical algorithm for the linear canonical transform. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 928.	0.8	148
10	Image encryption and the fractional Fourier transform. <i>Optik</i> , 2003, 114, 251-265.	1.4	145
11	Photoresist reflow method of microlens production Part I: Background and experiments. <i>Optik</i> , 2002, 113, 391-404.	1.4	122
12	Sampling and discretization of the linear canonical transform. <i>Signal Processing</i> , 2009, 89, 641-648.	2.1	118
13	Nonlocal photopolymerization kinetics including multiple termination mechanisms and dark reactions Part I Modeling. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 1736.	0.9	104
14	Temporal analysis of grating formation in photopolymer using the nonlocal polymerization-driven diffusion model. <i>Optics Express</i> , 2005, 13, 6990.	1.7	103
15	Holographic photopolymer materials: nonlocal polymerization-driven diffusion under nonideal kinetic conditions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 407.	0.9	96
16	Fractional Fourier transform-based image encryption: phase retrieval algorithm. <i>Optics Communications</i> , 2003, 226, 61-80.	1.0	88
17	Iterative phase retrieval algorithms I: optimization. <i>Applied Optics</i> , 2015, 54, 4698.	0.9	86
18	Adjusted intensity nonlocal diffusion model of photopolymer grating formation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 621.	0.9	82

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19	Cryptanalysis of optical security systems with significant output images. <i>Applied Optics</i> , 2007, 46, 5257.	2.1	81
20	Key-space analysis of double random phase encryption technique. <i>Applied Optics</i> , 2007, 46, 6641.	2.1	79
21	Improvement of the spatial frequency response of photopolymer materials by modifying polymer chain length. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 396.	0.9	77
22	Nonlocal photopolymerization kinetics including multiple termination mechanisms and dark reactions Part II Experimental validation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 1746.	0.9	77
23	Fast linear canonical transforms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 21.	0.8	75
24	Effects of absorption and inhibition during grating formation in photopolymer materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 2079.	0.9	70
25	Generalization of the fractional Fourier transformation to an arbitrary linear lossless transformation an operator approach. <i>Journal of Physics A</i> , 1994, 27, 4179-4187.	1.6	68
26	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. <i>Optics Express</i> , 2005, 13, 1939.	1.7	66
27	A Review of the Optimisation of Photopolymer Materials for Holographic Data Storage. <i>Research Letters in Physics</i> , 2012, 2012, 1-16.	0.2	66
28	Terahertz phase imaging and biomedical applications. <i>Optics and Laser Technology</i> , 2020, 122, 105859.	2.2	64
29	Random phase and jigsaw encryption in the Fresnel domain. <i>Optical Engineering</i> , 2004, 43, 2239.	0.5	62
30	Non-local photo-polymerization kinetics including multiple termination mechanisms and dark reactions: Part III Primary radical generation and inhibition. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 1804.	0.9	60
31	Comparison of a new self developing photopolymer with AA/PVA based photopolymer utilizing the NPDD model. <i>Optics Express</i> , 2011, 19, 26325.	1.7	60
32	Generalized in-line digital holographic technique based on intensity measurements at two different planes. <i>Applied Optics</i> , 2008, 47, 711.	2.1	55
33	Optical encryption and the space bandwidth product. <i>Optics Communications</i> , 2005, 247, 291-305.	1.0	54
34	Optical encryption by combining image scrambling techniques in fractional Fourier domains. <i>Optics Communications</i> , 2013, 287, 73-80.	1.0	54
35	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 123002.	1.0	54
36	Photoinitiation study of Irgacure 784 in an epoxy resin photopolymer. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	53

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37	Modeling the photochemical effects present during holographic grating formation in photopolymer materials. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	52
38	Cases where the linear canonical transform of a signal has compact support or is band-limited. <i>Optics Letters</i> , 2008, 33, 228.	1.7	52
39	Monomer diffusion rates in photopolymer material Part I Low spatial frequency holographic gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 658.	0.9	52
40	3 Dimensional analysis of holographic photopolymers based memories. <i>Optics Express</i> , 2005, 13, 3543.	1.7	50
41	Polarization encoding and multiplexing of two-dimensional signals: application to image encryption. <i>Applied Optics</i> , 2006, 45, 5693.	2.1	50
42	A review of the modelling of free-radical photopolymerization in the formation of holographic gratings. <i>Journal of Optics</i> , 2009, 11, 024008.	1.5	50
43	High Intensity Response of Photopolymer Materials for Holographic Grating Formation. <i>Macromolecules</i> , 2010, 43, 9462-9472.	2.2	50
44	Angular responses of the first and second diffracted orders in transmission diffraction grating recorded on photopolymer material. <i>Optics Express</i> , 2003, 11, 1835.	1.7	47
45	Thickness variation of self-processing acrylamide-based photopolymer and reflection holography. <i>Optical Engineering</i> , 2001, 40, 533.	0.5	46
46	Spread-space spread-spectrum technique for secure multiplexing. <i>Optics Letters</i> , 2007, 32, 1060.	1.7	46
47	A Review of Hologram Storage and Self-Written Waveguides Formation in Photopolymer Media. <i>Polymers</i> , 2017, 9, 337.	2.0	46
48	Comparison of holographic photopolymer materials by use of analytic nonlocal diffusion models. <i>Applied Optics</i> , 2002, 41, 845.	2.1	45
49	Unitary discrete linear canonical transform: analysis and application. <i>Applied Optics</i> , 2013, 52, C30.	0.9	45
50	Additional sampling criterion for the linear canonical transform. <i>Optics Letters</i> , 2008, 33, 2599.	1.7	43
51	Nonlinear double image encryption using 2D non-separable linear canonical transform and phase retrieval algorithm. <i>Optics and Laser Technology</i> , 2018, 107, 353-360.	2.2	43
52	Examination of the photoinitiation processes in photopolymer materials. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	40
53	Iterative phase retrieval algorithms Part II: Attacking optical encryption systems. <i>Applied Optics</i> , 2015, 54, 4709.	0.9	40
54	Holographic data storage: optimized scheduling using the nonlocal polymerization-driven diffusion model. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 1443.	0.9	39

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55	Holographic interferometry and the fractional Fourier transformation. <i>Optics Letters</i> , 2000, 25, 448.	1.7	38
56	Diffusion-based model of holographic grating formation in photopolymers: generalized non-local material responses. <i>Journal of Optics</i> , 2001, 3, 477-488.	1.5	38
57	Modeling the photochemical kinetics induced by holographic exposures in PQ/PMMA photopolymer material. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2833.	0.9	38
58	Quantifying the 2.5D imaging performance of digital holographic systems. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 6, .	0.9	38
59	Three-dimensional extended nonlocal photopolymerization driven diffusion model Part II Photopolymerization and model development. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2648.	0.9	38
60	Analysis of the photoabsorptive behavior of two different photosensitizers in a photopolymer material. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 528.	0.9	37
61	Reevaluation of the direct method of calculating Fresnel and other linear canonical transforms. <i>Optics Letters</i> , 2010, 35, 947.	1.7	37
62	Blue light from light-emitting diodes directed at a single eye elicits a dose-dependent suppression of melatonin in horses. <i>Veterinary Journal</i> , 2013, 196, 231-235.	0.6	37
63	Analytical and numerical analysis of linear optical systems. <i>Optical Engineering</i> , 2006, 45, 088201.	0.5	36
64	Collision in double random phase encoding. <i>Optics Communications</i> , 2008, 281, 5122-5125.	1.0	36
65	Optimisation of photopolymers for holographic applications using the Non-local Photo-polymerization Driven Diffusion model. <i>Optics Express</i> , 2011, 19, 22423.	1.7	36
66	Photopolymer holographic recording material parameter estimation using a nonlocal diffusion based model. <i>Journal of Applied Physics</i> , 2001, 90, 3142-3148.	1.1	35
67	Role of phase key in the double random phase encoding technique: an error analysis. <i>Applied Optics</i> , 2008, 47, 3808.	2.1	35
68	Design of a blazed grating consisting of metallic subwavelength binary grooves. <i>Optics Communications</i> , 1993, 98, 5-10.	1.0	34
69	Photoresist reflow method of microlens production Part II: Analytic models. <i>Optik</i> , 2002, 113, 405-420.	1.4	34
70	Two-dimensional nonseparable linear canonical transform: sampling theorem and unitary discretization. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 2631.	0.8	34
71	Optical characterization of photopolymers materials: theoretical and experimental examination of primary radical generation. <i>Applied Physics B: Lasers and Optics</i> , 2010, 100, 559-569.	1.1	33
72	Diffraction beam splitter for laser Doppler velocimetry. <i>Optics Letters</i> , 1992, 17, 1240.	1.7	32

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73	Infrared optical components based on a microrelief structure. <i>Optical Engineering</i> , 1994, 33, 79.	0.5	32
74	Refractive elements produced in photopolymer layers. <i>Journal of Materials Science</i> , 2005, 40, 4129-4132.	1.7	32
75	Quantitative Comparison of Five Different Photosensitizers for Use in a Photopolymer. <i>Research Letters in Physics</i> , 2012, 2012, 1-11.	0.2	31
76	Space-bandwidth ratio as a means of choosing between Fresnel and other linear canonical transform algorithms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 786.	0.8	30
77	Self-written waveguides in a dry acrylamide/polyvinyl alcohol photopolymer material. <i>Applied Optics</i> , 2014, 53, 8086.	2.1	30
78	Modeling the nonlinear photoabsorptive behavior during self-written waveguide formation in a photopolymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 912.	0.9	30
79	Phase-retrieval-based attacks on linear-canonical-transform-based DRPE systems. <i>Applied Optics</i> , 2016, 55, 4720.	2.1	30
80	Holography: an interpretation from the phase-space point of view. <i>Optics Letters</i> , 2007, 32, 3492.	1.7	29
81	Lensless multispectral digital in-line holographic microscope. <i>Journal of Biomedical Optics</i> , 2011, 16, 126004.	1.4	29
82	Three-dimensional extended nonlocal photopolymerization driven diffusion model Part I Absorption. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2638.	0.9	29
83	Almost-Fourier and almost-Fresnel transformations. <i>Optics Communications</i> , 1995, 113, 385-388.	1.0	28
84	Motion detection, the Wigner distribution function, and the optical fractional Fourier transform. <i>Optics Letters</i> , 2003, 28, 884.	1.7	28
85	Effect of a depth attenuated refractive index profile in the angular responses of the efficiency of higher orders in volume gratings recorded in a PVA/acrylamide photopolymer. <i>Optics Communications</i> , 2004, 233, 311-322.	1.0	28
86	Non-local spatial frequency response of photopolymer materials containing chain transfer agents: II. Experimental results. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 095602.	1.0	28
87	Interferometry based multispectral photon-limited 2D and 3D integral image encryption employing the Hartley transform. <i>Optics Express</i> , 2015, 23, 15907.	1.7	28
88	Noninterferometric phase retrieval using a fractional Fourier system. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 108.	0.8	27
89	Non-local spatial frequency response of photopolymer materials containing chain transfer agents: I. Theoretical modelling. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 095601.	1.0	27
90	Information encryption in phase space. <i>Optics Letters</i> , 2015, 40, 859.	1.7	27

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91	Diffraction grating with rectangular grooves exceeding 80% diffraction efficiency. <i>Infrared Physics</i> , 1993, 34, 467-475.	0.5	26
92	Extended model of the photoinitiation mechanisms in photopolymer materials. <i>Journal of Applied Physics</i> , 2009, 106, 104911.	1.1	26
93	Material response of photopolymer containing four different photosensitizers. <i>Optics Communications</i> , 2014, 320, 114-124.	1.0	26
94	Magnitude and direction of motion with speckle correlation and the optical fractional Fourier transform. <i>Applied Optics</i> , 2005, 44, 2720.	2.1	25
95	Temporal response and first order volume changes during grating formation in photopolymers. <i>Journal of Applied Physics</i> , 2006, 99, 113105.	1.1	25
96	A Projection System for Real World Three-Dimensional Objects Using Spatial Light Modulators. <i>Journal of Display Technology</i> , 2008, 4, 254-261.	1.3	25
97	Three-dimensional speckle size in generalized optical systems with limiting apertures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 1855.	0.8	25
98	Comparison of a new photosensitizer with erythrosine B in an AA/PVA-based photopolymer material. <i>Applied Optics</i> , 2014, 53, 1052.	0.9	25
99	Low photon count based digital holography for quadratic phase cryptography. <i>Optics Letters</i> , 2017, 42, 2774.	1.7	25
100	Improvement of holographic recording material using aerosol sealant. <i>Journal of Optics</i> , 2001, 3, 20-25.	1.5	24
101	Characterising dye-sensitised solar cells. <i>Optik</i> , 2011, 122, 1225-1230.	1.4	24
102	Resolution limits to object tracking with subpixel accuracy. <i>Optics Letters</i> , 2012, 37, 4877.	1.7	24
103	Study of PQ/PMMA photopolymer Part 2: experimental results. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 3308.	0.9	24
104	Self-written waveguides in photopolymer. <i>Applied Optics</i> , 2018, 57, E80.	0.9	24
105	Holographic Optical Beam Splitters in Dichromated Gelatin. <i>Journal of Modern Optics</i> , 1992, 39, 881-887.	0.6	23
106	Polarizing reflection grating beamsplitter for the 10.6-um wavelength. <i>Optical Engineering</i> , 1993, 32, 1860.	0.5	23
107	Modelling of images of square-wave gratings and isolated edges using rigorous diffraction theory. <i>Optics Communications</i> , 1994, 105, 367-378.	1.0	23
108	Nonlocal polymerization-driven diffusion-model-based examination of the scaling law for holographic data storage. <i>Optics Letters</i> , 2005, 30, 239.	1.7	23

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109	Paraxial speckle-based metrology systems with an aperture. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 2861.	0.8	23
110	Three-dimensional static speckle fields Part I Theory and numerical investigation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1896.	0.8	23
111	Coherent imaging of periodic thick fine isolated structures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 614.	0.8	22
112	Study of PQ/PMMA photopolymer Part 1: theoretical modeling. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 3298.	0.9	22
113	Speckle suppression by doubly scattering systems. Applied Optics, 2013, 52, 8617.	0.9	22
114	Two diffusion photopolymer for sharp diffractive optical elements recording. Optics Letters, 2015, 40, 3221.	1.7	22
115	Unitary Algorithm for Nonseparable Linear Canonical Transforms Applied to Iterative Phase Retrieval. IEEE Signal Processing Letters, 2017, 24, 814-817.	2.1	22
116	Analysis of phase encoding for optical encryption. Optics Communications, 2009, 282, 482-492.	1.0	21
117	Digital image watermarking spread-space spread-spectrum technique based on Double Random Phase Encoding. Optics Communications, 2013, 300, 162-177.	1.0	21
118	Speckle photography: mixed domain fractional Fourier motion detection. Optics Letters, 2006, 31, 32.	1.7	20
119	Optical double image encryption employing a pseudo image technique in the Fourier domain. Optics Communications, 2014, 321, 61-72.	1.0	20
120	Curvature correction model of droplet profiles. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 253, 317-321.	0.9	19
121	Metrology and the linear canonical transform. Journal of Modern Optics, 2006, 53, 2167-2186.	0.6	19
122	Controlling speckle using lenses and free space. Optics Letters, 2007, 32, 3394.	1.7	19
123	A Comparison of Diffraction Theories for Off-bragg Replay. Journal of Modern Optics, 1992, 39, 1709-1718.	0.6	18
124	Image encryption techniques based on the fractional Fourier transform. , 2003, , .		18
125	Robustness of Double Random Phase Encoding spread-space spread-spectrum watermarking technique. Signal Processing, 2015, 109, 345-361.	2.1	18
126	Volumetric Light-field Encryption at the Microscopic Scale. Scientific Reports, 2017, 7, 40113.	1.6	18



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127	Improving the uniformity of holographic recording using multilayer photopolymer Part I Theoretical analysis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 320.	0.8	18
128	Form birefringence of surface relief gratings and its angular dependence. Optics Communications, 1992, 89, 173-177.	1.0	17
129	Optical birefringence and anisotropic scattering in acrylate based holographic polymer dispersed liquid crystals. Optics Communications, 2007, 278, 28-33.	1.0	17
130	Non-local polymerization driven diffusion based model: general dependence of the polymerization rate to the exposure intensity. Optics Express, 2003, 11, 1876.	1.7	16
131	Generalized Yamaguchi correlation factor for coherent quadratic phase speckle metrology systems with an aperture. Optics Letters, 2006, 31, 3444.	1.7	16
132	Statistical investigation of the double random phase encoding technique. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 2033.	0.8	16
133	Three-dimensional static speckle fields Part II Experimental investigation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1904.	0.8	16
134	Calibration of a digital in-line holographic microscopy system: depth of focus and bioprocess analysis. Applied Optics, 2013, 52, C78.	0.9	16
135	Recording beam modulation during grating formation. Applied Optics, 2005, 44, 5475.	2.1	15
136	Dual wavelength digital holographic Laplacian reconstruction. Optics Letters, 2010, 35, 3018.	1.7	15
137	Study of photosensitizer diffusion in a photopolymer material for holographic applications. Optical Engineering, 2011, 50, 015801.	0.5	15
138	Constraints on additivity of the 1D discrete linear canonical transform. Applied Optics, 2015, 54, 9960.	2.1	15
139	Controlling the trajectories of self-written waveguides in photopolymer. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2046.	0.9	15
140	Alteration of the profile of ink-jet-deposited UV-cured lenses using applied electric fields. Optik, 2005, 116, 158-164.	1.4	14
141	Fundamental diffraction limitations in a paraxial 4-f imaging system with coherent and incoherent illumination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1911.	0.8	14
142	Expanding the field-of-view and profile measurement of covered objects in continuous-wave terahertz reflective digital holography. Optical Engineering, 2019, 58, 1.	0.5	14
143	Optimized holographic data storage: diffusion and randomization. Journal of Optics, 2006, 8, 236-243.	1.5	13
144	The Evaluation of Individual Dispersion of Single-Walled Carbon Nanotubes Using Absorption and Fluorescence Spectroscopic Techniques. Journal of Nanoscience and Nanotechnology, 2007, 7, 3727-3730.	0.9	13

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145	Beam self-cleanup by use of self-written waveguide generated by photopolymerization. Optics Letters, 2015, 40, 2981.	1.7	13
146	Holographic 2D Mixed Polarization Deflection Elements. Journal of Modern Optics, 1993, 40, 613-624.	0.6	12
147	Systematic errors of an optical encryption system due to the discrete values of a spatial light modulator. Optical Engineering, 2009, 48, 027001.	0.5	12
148	Improvement of photopolymer materials for holographic data storage. Journal of Materials Science, 2009, 44, 6090-6099.	1.7	12
149	Speckle orientation in paraxial optical systems. Applied Optics, 2012, 51, A1.	0.9	12
150	Optical realization of the radon transform. Optics Express, 2014, 22, 32301.	1.7	11
151	Improving the uniformity of holographic recording using multi-layer photopolymer: Part II Experimental results. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 334.	0.8	11
152	Generalization of the boundary diffraction method for volume gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 649.	0.8	10
153	Holographic photopolymer materials with nonlocal and nonlinear response. , 2003, 5216, 127.		10
154	The impact of inhibition processes during grating formation in photopolymer materials. , 2005, , .		10
155	Finite-aperture effects for Fourier transform systems with convergent illumination. Part I: 2-D system analysis. Optics Communications, 2006, 263, 171-179.	1.0	10
156	K speckle: space-time correlation function of doubly scattered light in an imaging system. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 969.	0.8	10
157	Measuring refractive index of glass by using speckle. Applied Optics, 2018, 57, E205.	0.9	10
158	Boundary diffraction coefficients for calculating spurious beams produced by volume gratings. Electronics Letters, 1990, 26, 1840.	0.5	10
159	Diffraction by volume gratings: approximate solution in terms of boundary diffraction coefficients. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 1586.	0.8	9
160	<title>Image encryption and the fractional Fourier transform</title>. , 2003, 4877, 126.		9
161	Generalized non-local responses and higher harmonic retention in non-local polymerization driven diffusion model based simulations. Journal of Optics, 2004, 6, 1089-1096.	1.5	9
162	Finite-aperture effects for Fourier transform systems with convergent illumination. Part II: 3-D system analysis. Optics Communications, 2006, 263, 180-188.	1.0	9

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163	Optimized scheduling for holographic data storage. <i>Journal of Optics</i> , 2008, 10, 115203.	1.5	9
164	Compact portable ocular microtremor sensor: design, development and calibration. <i>Journal of Biomedical Optics</i> , 2009, 14, 014021.	1.4	9
165	Cross terms of the Wigner distribution function and aliasing in numerical simulations of paraxial optical systems. <i>Optics Letters</i> , 2010, 35, 1142.	1.7	9
166	Interferometric resolution examined by means of electromagnetic theory. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1995, 12, 752.	0.8	8
167	<title>Applications of a self-developing photopolymer material: holographic interferometry and high-efficiency diffractive optical elements</title>. , 1998, , .		8
168	Multispectral lensless digital holographic microscope: imaging MCF-7 and MDA-MB-231 cancer cell cultures. <i>Proceedings of SPIE</i> , 2009, , .	0.8	8
169	Digital computation of the complex linear canonical transform. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 1379.	0.8	8
170	Imaging periodic surface relief structures. <i>Journal of Microscopy</i> , 1995, 177, 95-107.	0.8	7
171	An optical implementation for the estimation of the fractional-Fourier order. <i>Optics Communications</i> , 1997, 137, 214-218.	1.0	7
172	Wavelength-controlled variable-order optical fractional Fourier transform. <i>Optics Letters</i> , 2004, 29, 427.	1.7	7
173	Digital inline holography of biological specimens. , 2006, , .		7
174	The production of primary radicals in photopolymers during holographic exposure. <i>Optik</i> , 2010, 121, 2273-2275.	1.4	7
175	Simultaneous drift, microsaccades, and ocular microtremor measurement from a single noncontact far-field optical sensor. <i>Journal of Biomedical Optics</i> , 2015, 20, 027004.	1.4	7
176	Holographic characterization of diffraction grating modulation in photopolymers. <i>Applied Optics</i> , 2018, 57, E107.	0.9	7
177	Terahertz confocal imaging: Polarization and sectioning characteristics. <i>Optics and Lasers in Engineering</i> , 2020, 134, 106182.	2.0	7
178	Random fractional Fourier transform: stochastic perturbations along the axis of propagation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1999, 16, 1986.	0.8	6
179	Lucky imaging and aperture synthesis with low-redundancy apertures. <i>Applied Optics</i> , 2009, 48, A63.	2.1	6
180	Numerical simulation of double random phase encoding. <i>Optical Engineering</i> , 2012, 51, 128201.	0.5	6

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181	Analysis of the absorptive behavior of photopolymer materials. Part I. Theoretical modeling. Journal of Modern Optics, 2015, 62, 143-154.	0.6	6
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