

John T Sheridan

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282
papers

6,055
citations

40
h-index

66
g-index

379
ext. papers

7,203
ext. citations

2.1
avg, IF

6.03
L-index

#	Paper	IF	Citations
282	Optical image encryption by random shifting in fractional Fourier domains. <i>Optics Letters</i> , 2003 , 28, 269-31	3.1	348
281	Roadmap on optical security. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 083001	1.7	243
280	A review of optical image encryption techniques. <i>Optics and Laser Technology</i> , 2014 , 57, 327-342	4.2	200
279	A known-plaintext heuristic attack on the Fourier plane encryption algorithm. <i>Optics Express</i> , 2006 , 14, 3181-6	3.3	174
278	Optical operations on wave functions as the Abelian subgroups of the special affine Fourier transformation. <i>Optics Letters</i> , 1994 , 19, 1801	3	172
277	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, 1108-14	1.8	153
276	Photopolymer holographic recording material. <i>Optik</i> , 2001 , 112, 449-463	2.5	139
275	Image encryption and the fractional Fourier transform. <i>Optik</i> , 2003 , 114, 251-265	2.5	118
274	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, 917-27	1.8	114
273	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, 928-37	1.8	111
272	Photoresist reflow method of microlens production Part I: Background and experiments. <i>Optik</i> , 2002 , 113, 391-404	2.5	107
271	Sampling and discretization of the linear canonical transform. <i>Signal Processing</i> , 2009 , 89, 641-648	4.4	103
270	Temporal analysis of grating formation in photopolymer using the nonlocal polymerization-driven diffusion model. <i>Optics Express</i> , 2005 , 13, 6990-7004	3.3	75
269	Cryptanalysis of optical security systems with significant output images. <i>Applied Optics</i> , 2007 , 46, 5257-627	2.7	74
268	Fractional Fourier transform-based image encryption: phase retrieval algorithm. <i>Optics Communications</i> , 2003 , 226, 61-80	2	73
267	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	1.7	71
266	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	1.7	69

265	Fast linear canonical transforms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010 , 27, 21-30	1.8	65
264	Iterative phase retrieval algorithms. I: optimization. <i>Applied Optics</i> , 2015 , 54, 4698-708	1.7	64
263	Key-space analysis of double random phase encryption technique. <i>Applied Optics</i> , 2007 , 46, 6641-7	1.7	64
262	Adjusted intensity nonlocal diffusion model of photopolymer grating formation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 621	1.7	64
261	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		58
260	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	1.7	56
259	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	1.7	54
258	Random phase and jigsaw encryption in the Fresnel domain. <i>Optical Engineering</i> , 2004 , 43, 2239	1.1	53
257	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. <i>Optics Express</i> , 2005 , 13, 1939-47	3.3	51
256	A Review of the Optimisation of Photopolymer Materials for Holographic Data Storage. <i>Research Letters in Physics</i> , 2012 , 2012, 1-16		49
255	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	1.7	49
254	Generalized in-line digital holographic technique based on intensity measurements at two different planes. <i>Applied Optics</i> , 2008 , 47, 711-7	1.7	47
253	Comparison of a new self developing photopolymer with AA/PVA based photopolymer utilizing the NPDD model. <i>Optics Express</i> , 2011 , 19, 26325-42	3.3	46
252	Optical encryption and the space bandwidth product. <i>Optics Communications</i> , 2005 , 247, 291-305	2	45
251	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	1.7	43
250	Cases where the linear canonical transform of a signal has compact support or is band-limited. <i>Optics Letters</i> , 2008 , 33, 228-30	3	43
249	High Intensity Response of Photopolymer Materials for Holographic Grating Formation. <i>Macromolecules</i> , 2010 , 43, 9462-9472	5.5	42
248	Optical encryption by combining image scrambling techniques in fractional Fourier domains. <i>Optics Communications</i> , 2013 , 287, 73-80	2	41

247	Photoinitiation study of Irgacure 784 in an epoxy resin photopolymer. <i>Journal of Applied Physics</i> , 2010 , 107, 053113	2.5	41
246	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	1.7	40
245	Modeling the photochemical effects present during holographic grating formation in photopolymer materials. <i>Journal of Applied Physics</i> , 2007 , 102, 023108	2.5	40
244	Polarization encoding and multiplexing of two-dimensional signals: application to image encryption. <i>Applied Optics</i> , 2006 , 45, 5693-700	1.7	40
243	Angular responses of the first and second diffracted orders in transmission diffraction grating recorded on photopolymer material. <i>Optics Express</i> , 2003 , 11, 1835-43	3.3	40
242	Unitary discrete linear canonical transform: analysis and application. <i>Applied Optics</i> , 2013 , 52, C30-6	1.7	39
241	A review of the modelling of free-radical photopolymerization in the formation of holographic gratings. <i>Journal of Optics</i> , 2009 , 11, 024008		37
240	Spread-space spread-spectrum technique for secure multiplexing. <i>Optics Letters</i> , 2007 , 32, 1060-2	3	37
239	Comparison of holographic photopolymer materials by use of analytic nonlocal diffusion models. <i>Applied Optics</i> , 2002 , 41, 845-52	1.7	37
238	3 Dimensional analysis of holographic photopolymers based memories. <i>Optics Express</i> , 2005 , 13, 3543-57	3	36
237	Additional sampling criterion for the linear canonical transform. <i>Optics Letters</i> , 2008 , 33, 2599-601	3	35
236	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	1.7	34
235	Examination of the photoinitiation processes in photopolymer materials. <i>Journal of Applied Physics</i> , 2008 , 104, 064917	2.5	34
234	Thickness variation of self-processing acrylamide-based photopolymer and reflection holography. <i>Optical Engineering</i> , 2001 , 40, 533	1.1	34
233	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	1.7	33
232	Iterative phase retrieval algorithms. Part II: Attacking optical encryption systems. <i>Applied Optics</i> , 2015 , 54, 4709-19	1.7	32
231	Optimisation of photopolymers for holographic applications using the Non-local Photo-polymerization Driven Diffusion model. <i>Optics Express</i> , 2011 , 19, 22423-36	3.3	32
230	Quantifying the 2.5D imaging performance of digital holographic systems. <i>Journal of the European Optical Society-Rapid Publications</i> , 2011 , 6,	2.5	32

229	Terahertz phase imaging and biomedical applications. <i>Optics and Laser Technology</i> , 2020 , 122, 105859	4.2	32
228	Reevaluation of the direct method of calculating Fresnel and other linear canonical transforms. <i>Optics Letters</i> , 2010 , 35, 947-9	3	31
227	Holographic interferometry and the fractional Fourier transformation. <i>Optics Letters</i> , 2000 , 25, 448-50	3	31
226	Diffusion-based model of holographic grating formation in photopolymers: generalized non-local material responses. <i>Journal of Optics</i> , 2001 , 3, 477-488		31
225	Analytical and numerical analysis of linear optical systems. <i>Optical Engineering</i> , 2006 , 45, 088201	1.1	30
224	Photopolymer holographic recording material parameter estimation using a nonlocal diffusion based model. <i>Journal of Applied Physics</i> , 2001 , 90, 3142-3148	2.5	30
223	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	4.2	29
222	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, 2631-41	1.8	29
221	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	1.7	29
220	Refractive elements produced in photopolymer layers. <i>Journal of Materials Science</i> , 2005 , 40, 4129-4132	4.3	29
219	Collision in double random phase encoding. <i>Optics Communications</i> , 2008 , 281, 5122-5125	2	28
218	Design of a blazed grating consisting of metallic subwavelength binary grooves. <i>Optics Communications</i> , 1993 , 98, 5-10	2	28
217	Information encryption in phase space. <i>Optics Letters</i> , 2015 , 40, 859-62	3	27
216	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, 231-5	2.5	27
215	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, 786-90	1.8	27
214	Role of phase key in the double random phase encoding technique: an error analysis. <i>Applied Optics</i> , 2008 , 47, 3808-16	0.2	27
213	Almost-Fourier and almost-Fresnel transformations. <i>Optics Communications</i> , 1995 , 113, 385-388	2	27
212	Infrared optical components based on a microrelief structure. <i>Optical Engineering</i> , 1994 , 33, 79	1.1	27

211	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	1.7	26
210	Photoresist reflow method of microlens production Part II: Analytic models. <i>Optik</i> , 2002 , 113, 405-420	2.5	26
209	Diffractive beam splitter for laser Doppler velocimetry. <i>Optics Letters</i> , 1992 , 17, 1240-2	3	26
208	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	1.7	25
207	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	1.9	24
206	A Review of Hologram Storage and Self-Written Waveguides Formation in Photopolymer Media. <i>Polymers</i> , 2017 , 9,	4.5	23
205	Comparison of a new photosensitizer with erythrosine B in an AA/PVA-based photopolymer material. <i>Applied Optics</i> , 2014 , 53, 1052-62	1.7	23
204	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	1.7	23
203	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	2	23
202	Motion detection, the Wigner distribution function, and the optical fractional Fourier transform. <i>Optics Letters</i> , 2003 , 28, 884-6	3	23
201	Diffraction grating with rectangular grooves exceeding 80% diffraction efficiency. <i>Infrared Physics</i> , 1993 , 34, 467-475		23
200	Material response of photopolymer containing four different photosensitizers. <i>Optics Communications</i> , 2014 , 320, 114-124	2	22
199	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	1.7	22
198	Quantitative Comparison of Five Different Photosensitizers for Use in a Photopolymer. <i>Research Letters in Physics</i> , 2012 , 2012, 1-11		22
197	Phase-retrieval-based attacks on linear-canonical-transform-based DRPE systems. <i>Applied Optics</i> , 2016 , 55, 4720-8	0.2	21
196	Study of PQ/PMMA photopolymer Part 2: experimental results. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 3308	1.7	21
195	Temporal response and first order volume changes during grating formation in photopolymers. <i>Journal of Applied Physics</i> , 2006 , 99, 113105	2.5	21
194	Polarizing reflection grating beamsplitter for the 10.6-um wavelength. <i>Optical Engineering</i> , 1993 , 32, 1860	1.1	21

193	Self-written waveguides in a dry acrylamide/polyvinyl alcohol photopolymer material. <i>Applied Optics</i> , 2014 , 53, 8086-94	0.2	20
192	Digital image watermarking spread-space spread-spectrum technique based on Double Random Phase Encoding. <i>Optics Communications</i> , 2013 , 300, 162-177	2	20
191	Holographic Optical Beam Splitters in Dichromated Gelatin. <i>Journal of Modern Optics</i> , 1992 , 39, 881-887	1.1	20
190	Study of PQ/PMMA photopolymer Part 1: theoretical modeling. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 3298	1.7	19
189	Lensless multispectral digital in-line holographic microscope. <i>Journal of Biomedical Optics</i> , 2011 , 16, 12660-4	1.9	19
188	Modelling of images of square-wave gratings and isolated edges using rigorous diffraction theory. <i>Optics Communications</i> , 1994 , 105, 367-378	2	19
187	Coherent imaging of periodic thick fine isolated structures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1993 , 10, 614	1.8	19
186	. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 814-817	3.2	18
185	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	1.7	18
184	Interferometry based multispectral photon-limited 2D and 3D integral image encryption employing the Hartley transform. <i>Optics Express</i> , 2015 , 23, 15907-20	3.3	18
183	Three-dimensional static speckle fields Part I Theory and numerical investigation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011 , 28, 1896	1.8	18
182	Extended model of the photoinitiation mechanisms in photopolymer materials. <i>Journal of Applied Physics</i> , 2009 , 106, 104911	2.5	18
181	A Projection System for Real World Three-Dimensional Objects Using Spatial Light Modulators. <i>Journal of Display Technology</i> , 2008 , 4, 254-261		18
180	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, 108-15	1.8	18
179	Holography: an interpretation from the phase-space point of view. <i>Optics Letters</i> , 2007 , 32, 3492-4	3	18
178	Magnitude and direction of motion with speckle correlation and the optical fractional Fourier transform. <i>Applied Optics</i> , 2005 , 44, 2720-7	1.7	18
177	Optical double image encryption employing a pseudo image technique in the Fourier domain. <i>Optics Communications</i> , 2014 , 321, 61-72	2	17
176	Speckle suppression by doubly scattering systems. <i>Applied Optics</i> , 2013 , 52, 8617-26	1.7	17

175	Characterising dye-sensitised solar cells. <i>Optik</i> , 2011 , 122, 1225-1230	2.5	17
174	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, 1855-64	1.8	17
173	Paraxial speckle-based metrology systems with an aperture. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 2861-70	1.8	17
172	Curvature correction model of droplet profiles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 253, 317-321	2.3	17
171	Low photon count based digital holography for quadratic phase cryptography. <i>Optics Letters</i> , 2017 , 42, 2774-2777	3	16
170	Analysis of phase encoding for optical encryption. <i>Optics Communications</i> , 2009 , 282, 482-492	2	16
169	Nonlocal polymerization-driven diffusion-model-based examination of the scaling law for holographic data storage. <i>Optics Letters</i> , 2005 , 30, 239-41	3	16
168	Speckle photography: mixed domain fractional Fourier motion detection. <i>Optics Letters</i> , 2006 , 31, 32-4	3	16
167	Improvement of holographic recording material using aerosol sealant. <i>Journal of Optics</i> , 2001 , 3, 20-25		16
166	A Comparison of Diffraction Theories for Off-bragg Replay. <i>Journal of Modern Optics</i> , 1992 , 39, 1709-1718	1.8	16
165	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 123002	1.7	16
164	Optical birefringence and anisotropic scattering in acrylate based holographic polymer dispersed liquid crystals. <i>Optics Communications</i> , 2007 , 278, 28-33	2	15
163	Self-written waveguides in photopolymer. <i>Applied Optics</i> , 2018 , 57, E80-E88	1.7	14
162	Form birefringence of surface relief gratings and its angular dependence. <i>Optics Communications</i> , 1992 , 89, 173-177	2	14
161	Volumetric Light-field Encryption at the Microscopic Scale. <i>Scientific Reports</i> , 2017 , 7, 40113	4.9	13
160	Two diffusion photopolymer for sharp diffractive optical elements recording. <i>Optics Letters</i> , 2015 , 40, 3221-4	3	13
159	Robustness of Double Random Phase Encoding spread-space spread-spectrum watermarking technique. <i>Signal Processing</i> , 2015 , 109, 345-361	4.4	13
158	Study of photosensitizer diffusion in a photopolymer material for holographic applications. <i>Optical Engineering</i> , 2011 , 50, 015801	1.1	13

157	Metrology and the linear canonical transform. <i>Journal of Modern Optics</i> , 2006 , 53, 2167-2186	1.1	13
156	The Evaluation of Individual Dispersion of Single-Walled Carbon Nanotubes Using Absorption and Fluorescence Spectroscopic Techniques. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3727-3730 ¹⁻³		13
155	Constraints on additivity of the 1D discrete linear canonical transform. <i>Applied Optics</i> , 2015 , 54, 9960-5	0.2	12
154	Calibration of a digital in-line holographic microscopy system: depth of focus and bioprocess analysis. <i>Applied Optics</i> , 2013 , 52, C78-87	1.7	12
153	Three-dimensional static speckle fields Part II Experimental investigation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011 , 28, 1904	1.8	12
152	Controlling speckle using lenses and free space. <i>Optics Letters</i> , 2007 , 32, 3394-6	3	12
151	Non-local polymerization driven diffusion based model: general dependence of the polymerization rate to the exposure intensity. <i>Optics Express</i> , 2003 , 11, 1876-86	3.3	12
150	Alteration of the profile of ink-jet-deposited UV-cured lenses using applied electric fields. <i>Optik</i> , 2005 , 116, 158-164	2.5	12
149	Dual wavelength digital holographic Laplacian reconstruction. <i>Optics Letters</i> , 2010 , 35, 3018-20	3	11
148	Statistical investigation of the double random phase encoding technique. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009 , 26, 2033-42	1.8	11
147	Recording beam modulation during grating formation. <i>Applied Optics</i> , 2005 , 44, 5475-82	1.7	11
146	Image encryption techniques based on the fractional Fourier transform 2003 ,		11
145	Improvement of photopolymer materials for holographic data storage. <i>Journal of Materials Science</i> , 2009 , 44, 6090-6099	4.3	10
144	Speckle orientation in paraxial optical systems. <i>Applied Optics</i> , 2012 , 51, A1-10	1.7	10
143	Generalized Yamaguchi correlation factor for coherent quadratic phase speckle metrology systems with an aperture. <i>Optics Letters</i> , 2006 , 31, 3444-6	3	10
142	Expanding the field-of-view and profile measurement of covered objects in continuous-wave terahertz reflective digital holography. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	10
141	Controlling the trajectories of self-written waveguides in photopolymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2046	1.7	9
140	Resolution limits to object tracking with subpixel accuracy. <i>Optics Letters</i> , 2012 , 37, 4877-9	3	9

139	Fundamental diffraction limitations in a paraxial 4-f imaging system with coherent and incoherent illumination. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 1911-9	1.8	9
138	Diffraction by volume gratings: approximate solution in terms of boundary diffraction coefficients. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1992 , 9, 1586	1.8	9
137	Improving the uniformity of holographic recording using multilayer photopolymer. Part I. Theoretical analysis. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, 320-333	1.8	9
136	Boundary diffraction coefficients for calculating spurious beams produced by volume gratings. <i>Electronics Letters</i> , 1990 , 26, 1840	1.1	9
135	Optical realization of the radon transform. <i>Optics Express</i> , 2014 , 22, 32301-7	3.3	8
134	Systematic errors of an optical encryption system due to the discrete values of a spatial light modulator. <i>Optical Engineering</i> , 2009 , 48, 027001	1.1	8
133	Optimized holographic data storage: diffusion and randomization. <i>Journal of Optics</i> , 2006 , 8, 236-243		8
132	Finite-aperture effects for Fourier transform systems with convergent illumination. Part II: 3-D system analysis. <i>Optics Communications</i> , 2006 , 263, 180-188	2	8
131	Finite-aperture effects for Fourier transform systems with convergent illumination. Part I: 2-D system analysis. <i>Optics Communications</i> , 2006 , 263, 171-179	2	8
130	Holographic 2D Mixed Polarization Deflection Elements. <i>Journal of Modern Optics</i> , 1993 , 40, 613-624	1.1	8
129	Generalization of the boundary diffraction method for volume gratings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1994 , 11, 649	1.8	8
128	Beam self-cleanup by use of self-written waveguide generated by photopolymerization. <i>Optics Letters</i> , 2015 , 40, 2981-4	3	7
127	Holographic characterization of diffraction grating modulation in photopolymers. <i>Applied Optics</i> , 2018 , 57, E107-E117	1.7	7
126	K speckle: space-time correlation function of doubly scattered light in an imaging system. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 969-78	1.8	7
125	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, 1379-86	1.8	7
124	An optical implementation for the estimation of the fractional-Fourier order. <i>Optics Communications</i> , 1997 , 137, 214-218	2	7
123	Optimized scheduling for holographic data storage. <i>Journal of Optics</i> , 2008 , 10, 115203		7
122	Holographic photopolymer materials with nonlocal and nonlinear response 2003 , 5216, 127		7

121	Terahertz confocal imaging: Polarization and sectioning characteristics. <i>Optics and Lasers in Engineering</i> , 2020 , 134, 106182	4.6	6
120	Numerical simulation of double random phase encoding. <i>Optical Engineering</i> , 2012 , 51, 128201	1.1	6
119	Wavelength-controlled variable-order optical fractional Fourier transform. <i>Optics Letters</i> , 2004 , 29, 427-9		6
118	Analysis of the absorptive behavior of photopolymer materials. Part I. Theoretical modeling. <i>Journal of Modern Optics</i> , 2015 , 62, 143-154	1.1	5
117	Measuring refractive index of glass by using speckle. <i>Applied Optics</i> , 2018 , 57, E205-E217	1.7	5
116	Sampling of the two dimensional non-separable linear canonical transform 2014 ,		5
115	Collective dynamics of populations of weakly correlated filaments of incoherent white light. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 035201	1.7	5
114	Cross terms of the Wigner distribution function and aliasing in numerical simulations of paraxial optical systems. <i>Optics Letters</i> , 2010 , 35, 1142-4	3	5
113	Multispectral lensless digital holographic microscope: imaging MCF-7 and MDA-MB-231 cancer cell cultures 2009 ,		5
112	The production of primary radicals in photopolymers during holographic exposure. <i>Optik</i> , 2010 , 121, 2273-2275	2.5	5
111	Digital inline holography of biological specimens 2006 ,		5
110	Generalized non-local responses and higher harmonic retention in non-local polymerization driven diffusion model based simulations. <i>Journal of Optics</i> , 2004 , 6, 1089-1096		5
109	Photoresist reflow method of microlens production: modeling and fabrication techniques 2004 , 5456, 197		5
108	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	1.8	5
107	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	1.8	5
106	Spurious beams in dielectric gratings of the reflection type: a solution in terms of boundary diffraction coefficients. <i>Optics Communications</i> , 1992 , 94, 8-12	2	5
105	Improving the uniformity of holographic recording using multi-layer photopolymer: Part II. Experimental results. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, 334-344	1.8	5
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