

John T Sheridan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Securing Multiple Information Using Bio-Chaotic Keys. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-17	1.8	0
281	Optical Trajectory Manipulations Using the Self-Written Waveguide Technique. <i>Polymers</i> , 2020 , 12,	4.5	1
280	Terahertz confocal imaging: Polarization and sectioning characteristics. <i>Optics and Lasers in Engineering</i> , 2020 , 134, 106182	4.6	6
279	Fast, sub-pixel accurate, displacement measurement method: optical and terahertz systems. <i>Optics Letters</i> , 2020 , 45, 6611-6614	3	0
278	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 123002	1.7	16
277	Terahertz phase imaging and biomedical applications. <i>Optics and Laser Technology</i> , 2020 , 122, 105859	4.2	32
276	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
275	A fast numerical algorithm for the 2D non-separable linear canonical transform based on a decomposition of the ABCD matrix 2019 ,		2
274	Orthographic projection images-based photon-counted integral Fourier holography. <i>Applied Optics</i> , 2019 , 58, 2656-2661	1.7	2
273	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
272	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
271	Coupling of self-written waveguides (SWW) in photopolymer and reverse manipulation 2019 ,		1
270	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
269	Measuring refractive index of glass by using speckle. <i>Applied Optics</i> , 2018 , 57, E205-E217	1.7	5
268	Self-written waveguides in photopolymer. <i>Applied Optics</i> , 2018 , 57, E80-E88	1.7	14
267	Holographic characterization of diffraction grating modulation in photopolymers. <i>Applied Optics</i> , 2018 , 57, E107-E117	1.7	7
266	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

265	Self-bending of optical waveguides in a dry photosensitive medium 2018 ,		1
264	Volumetric Light-field Encryption at the Microscopic Scale. <i>Scientific Reports</i> , 2017 , 7, 40113	4.9	13
263	2D non-separable linear canonical transform (2D-NS-LCT) based cryptography 2017 ,		2
262	Sparsity based terahertz reflective off-axis digital holography 2017 ,		3
261	Choice of optical system is critical for the security of double random phase encryption systems. <i>Optical Engineering</i> , 2017 , 56, 063103	1.1	1
260	. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 814-817	3.2	18
259	Subpixel based defocused points removal in photon-limited volumetric dataset. <i>Optics Communications</i> , 2017 , 387, 196-201	2	2
258	Low photon count based digital holography for quadratic phase cryptography. <i>Optics Letters</i> , 2017 , 42, 2774-2777	3	16
257	A Review of Hologram Storage and Self-Written Waveguides Formation in Photopolymer Media. <i>Polymers</i> , 2017 , 9,	4.5	23
256	Influence of the limited detector size on spatial variations of the reconstruction accuracy in holographic tomography 2017 ,		2
255	Formation of Optical Trajectories in the Photopolymer Material during Self-Written Waveguides Process 2017 ,		1
254	Phase-retrieval-based attacks on linear-canonical-transform-based DRPE systems. <i>Applied Optics</i> , 2016 , 55, 4720-8	0.2	21
253	Roadmap on optical security. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 083001	1.7	243
252	Analyzing Digital Holographic Systems with the LCT. <i>Springer Series in Optical Sciences</i> , 2016 , 347-365	0.5	1
251	Deterministic Phase Retrieval Using the LCT. <i>Springer Series in Optical Sciences</i> , 2016 , 331-346	0.5	
250	Space-variant defocused content removal in Photon-counted volumetric datasets 2016 ,		1
249	Iterative reconstruction of digital holograms from three intensity measurements. <i>Optical Engineering</i> , 2016 , 55, 033106	1.1	1
248	Information encryption in phase space. <i>Optics Letters</i> , 2015 , 40, 859-62	3	27

247	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
246	Simultaneous drift, microsaccades, and ocular microtremor measurement from a single noncontact far-field optical sensor. <i>Journal of Biomedical Optics</i> , 2015 , 20, 27004	3.5	3
245	Dyes and Photopolymers 2015 , 251-277		1
244	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
243	Beam self-cleanup by use of self-written waveguide generated by photopolymerization. <i>Optics Letters</i> , 2015 , 40, 2981-4	3	7
242	Iterative phase retrieval algorithms. Part II: Attacking optical encryption systems. <i>Applied Optics</i> , 2015 , 54, 4709-19	1.7	32
241	Two diffusion photopolymer for sharp diffractive optical elements recording. <i>Optics Letters</i> , 2015 , 40, 3221-4	3	13
240	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
239	PQ/PMMA photopolymer: Modelling post-exposure. <i>Optics Communications</i> , 2015 , 338, 406-415	2	4
238	Constraints on additivity of the 1D discrete linear canonical transform. <i>Applied Optics</i> , 2015 , 54, 9960-5	0.2	12
237	Iterative phase retrieval algorithms. I: optimization. <i>Applied Optics</i> , 2015 , 54, 4698-708	1.7	64
236	Additive discrete 1D linear canonical transform 2015 ,		2
235	Robustness of Double Random Phase Encoding spread-space spread-spectrum watermarking technique. <i>Signal Processing</i> , 2015 , 109, 345-361	4.4	13
234	Analysis of the absorptive behavior of photopolymer materials. Part II. Experimental validation. <i>Journal of Modern Optics</i> , 2015 , 62, 155-165	1.1	3
233	Multispectral single-channel 3D computational integral imaging using compressive sensing 2015 ,		1
232	Optical double image encryption employing a pseudo image technique in the Fourier domain. <i>Optics Communications</i> , 2014 , 321, 61-72	2	17
231	Approximate analytic solutions to the NPDD: Short exposure approximations. <i>Optics Communications</i> , 2014 , 316, 91-100	2	
230	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

229	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
228	Self-written waveguides in a dry acrylamide/polyvinyl alcohol photopolymer material. <i>Applied Optics</i> , 2014 , 53, 8086-94	0.2	20
227	Optical realization of the radon transform. <i>Optics Express</i> , 2014 , 22, 32301-7	3.3	8
226	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
225	Unitary implementation of the discrete two-dimensional non-separable linear canonical transform 2014 ,		1
224	Sampling of the two dimensional non-separable linear canonical transform 2014 ,		5
223	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
222	A review of optical image encryption techniques. <i>Optics and Laser Technology</i> , 2014 , 57, 327-342	4.2	200
221	Material response of photopolymer containing four different photosensitizers. <i>Optics Communications</i> , 2014 , 320, 114-124	2	22
220	Some Characteristics of Doubly Scattered Speckle Fields 2014 , 289-292		
219	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
218	Extracting parameters from slanted non-uniform gratings recorded in photopolymer. Part II: Experimental results. <i>Optik</i> , 2013 , 124, 607-612	2.5	3
217	Extracting parameters from slanted non-uniform gratings recorded in photopolymer. Part I: Theoretical derivations. <i>Optik</i> , 2013 , 124, 590-606	2.5	3
216	Optical encryption by combining image scrambling techniques in fractional Fourier domains. <i>Optics Communications</i> , 2013 , 287, 73-80	2	41
215	Digital image watermarking spread-space spread-spectrum technique based on Double Random Phase Encoding. <i>Optics Communications</i> , 2013 , 300, 162-177	2	20
214	Analysis of the effects of viscosity, volume, and temperature in photopolymer material for holographic applications 2013 ,		2
213	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
212	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

211	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
210	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
209	Imaging systems and applications. <i>Applied Optics</i> , 2013 , 52, ISA1-3	1.7	2
208	Speckle suppression by doubly scattering systems. <i>Applied Optics</i> , 2013 , 52, 8617-26	1.7	17
207	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
206	Unitary discrete linear canonical transform: analysis and application. <i>Applied Optics</i> , 2013 , 52, C30-6	1.7	39
205	Robustness of double random phase encoding spread-space spread-spectrum image watermarking technique 2013 ,		1
204	Numerical simulation of double random phase encoding. <i>Optical Engineering</i> , 2012 , 51, 128201	1.1	6
203	The Condition Number and First Order Optical Systems 2012 ,		2
202	Resolution limits to object tracking with subpixel accuracy. <i>Optics Letters</i> , 2012 , 37, 4877-9	3	9
201	Speckle orientation in paraxial optical systems. <i>Applied Optics</i> , 2012 , 51, A1-10	1.7	10
200	Monomer diffusion rates in photopolymer material: Part I Low spatial frequency holographic gratings: reply. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 460	1.7	4
199	A Review of the Optimisation of Photopolymer Materials for Holographic Data Storage. <i>Research Letters in Physics</i> , 2012 , 2012, 1-16		49
198	Quantitative Comparison of Five Different Photosensitizers for Use in a Photopolymer. <i>Research Letters in Physics</i> , 2012 , 2012, 1-11		22
197	Recent developments in the NPDD model 2012 ,		1
196	Speckle: two new metrology techniques 2012 ,		1
195	Digital holography and phase retrieval: a theoretical investigation 2011 ,		1
194	Lensless multispectral digital in-line holographic microscope. <i>Journal of Biomedical Optics</i> , 2011 , 16, 126004	1.7	19

193	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
192	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
191	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
190	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
189	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
188	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
187	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
186	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
185	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
184	Characterising dye-sensitised solar cells. <i>Optik</i> , 2011 , 122, 1225-1230	2.5	17
183	Optical cryptanalysis: Metrics of robustness and cost functions. <i>Optics and Lasers in Engineering</i> , 2011 , 49, 1131-1138	4.6	2
182	Spectral study of irgacure 784 dye in an epoxy resin photopolymer 2011 ,		1
181	Study of photosensitizer diffusion in a photopolymer material for holographic applications. <i>Optical Engineering</i> , 2011 , 50, 015801	1.1	13
180	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
179	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
178	Feasibility investigation of using tunable infrared communications laser for multiwavelength digital holographic Laplacian reconstruction. <i>Optical Engineering</i> , 2011 , 50, 105801	1.1	3
177	Experimental exploration of the correlation coefficient of static speckles in Fresnel configuration 2011 ,		2
176	Photoinitiation study of Irgacure 784 in an epoxy resin photopolymer. <i>Journal of Applied Physics</i> , 2010 , 107, 053113	2.5	41

175	High Intensity Response of Photopolymer Materials for Holographic Grating Formation. <i>Macromolecules</i> , 2010 , 43, 9462-9472	5.5	42
174	Reevaluation of the direct method of calculating Fresnel and other linear canonical transforms. <i>Optics Letters</i> , 2010 , 35, 947-9	3	31
173	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
172	Dual wavelength digital holographic Laplacian reconstruction. <i>Optics Letters</i> , 2010 , 35, 3018-20	3	11
171	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
170	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
169	Theoretical analysis and experimental validation of photosensitizer diffusion in a photopolymer material 2010 ,		1
168	Using short exposures to approximate diffusion rates 2010 ,		1
167	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
166	The production of primary radicals in photopolymers during holographic exposure. <i>Optik</i> , 2010 , 121, 2273-2275	2.5	5
165	Comparison of Laplacian Differential Reconstruction of In-line Holograms Recorded at Two Different Wavelengths and Distances 2010 ,		1
164	Extended model of the photoinitiation mechanisms in photopolymer materials. <i>Journal of Applied Physics</i> , 2009 , 106, 104911	2.5	18
163	Improved model of the photo-initiation mechanisms in photopolymer materials 2009 ,		1
162	Parameter extraction from gratings recorded in photopolymer 2009 ,		1
161	Low spatial frequency grating recorded in photopolymer material 2009 ,		1
160	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
159	Compact portable ocular microtremor sensor: design, development and calibration. <i>Journal of Biomedical Optics</i> , 2009 , 14, 014021	3.5	4
158	Photokinetic study of Irgacure 784 dye in an epoxy resin photopolymer 2009 ,		1

157	Improvement of photopolymer materials for holographic data storage. <i>Journal of Materials Science</i> , 2009 , 44, 6090-6099	4.3	10
156	Comment on the paper: H.-E. Hwang, P. Han, Theoretical analysis for surface tilt and translation detection based on speckle photography in the Fresnel domain, <i>Opt. Commun.</i> 282 (2009) 351B54. <i>Optics Communications</i> , 2009 , 282, 4358-4360	2	0
155	Analysis of phase encoding for optical encryption. <i>Optics Communications</i> , 2009 , 282, 482-492	2	16
154	Sampling and discretization of the linear canonical transform. <i>Signal Processing</i> , 2009 , 89, 641-648	4.4	103
153	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
152	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
151	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
150	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
149	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
148	Lucky imaging and aperture synthesis with low-redundancy apertures. <i>Applied Optics</i> , 2009 , 48, A63-70	0.2	2
147	A review of the modelling of free-radical photopolymerization in the formation of holographic gratings. <i>Journal of Optics</i> , 2009 , 11, 024008		37
146	Segmentation and visualization of digital in-line holographic microscopy of three-dimensional scenes using reconstructed intensity images 2009 ,		3
145	Multispectral lensless digital holographic microscope: imaging MCF-7 and MDA-MB-231 cancer cell cultures 2009 ,		5
144	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
143	Additional sampling criterion for the linear canonical transform. <i>Optics Letters</i> , 2008 , 33, 2599-601	3	35
142	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
141	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
140	A Projection System for Real World Three-Dimensional Objects Using Spatial Light Modulators. <i>Journal of Display Technology</i> , 2008 , 4, 254-261		18

139	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
138	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
137	Optimized scheduling for holographic data storage. <i>Journal of Optics</i> , 2008 , 10, 115203		7
136	Examination of the photoinitiation processes in photopolymer materials. <i>Journal of Applied Physics</i> , 2008 , 104, 064917	2.5	34
135	An alignment technique based on the speckle correlation properties of Fresnel transforming optical systems 2008 ,		2
134	Bandwidth, compact support, apertures and the linear canonical transform in ABCD systems 2008 ,		2
133	Collision in double random phase encoding. <i>Optics Communications</i> , 2008 , 281, 5122-5125	2	28
132	Modeling the photochemical effects present during holographic grating formation in photopolymer materials. <i>Journal of Applied Physics</i> , 2007 , 102, 023108	2.5	40
131	Optical birefringence and anisotropic scattering in acrylate based holographic polymer dispersed liquid crystals. <i>Optics Communications</i> , 2007 , 278, 28-33	2	15
130	Photopolymer materials for holographic data storage applications 2007 ,		1
129	Spread-space spread-spectrum technique for secure multiplexing. <i>Optics Letters</i> , 2007 , 32, 1060-2	3	37
128	Controlling speckle using lenses and free space. <i>Optics Letters</i> , 2007 , 32, 3394-6	3	12
127	Holography: an interpretation from the phase-space point of view. <i>Optics Letters</i> , 2007 , 32, 3492-4	3	18
126	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
125	Cryptanalysis of optical security systems with significant output images. <i>Applied Optics</i> , 2007 , 46, 5257-627		74
124	Key-space analysis of double random phase encryption technique. <i>Applied Optics</i> , 2007 , 46, 6641-7	1.7	64
123	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
122	Optimized holographic data storage: diffusion and randomization. <i>Journal of Optics</i> , 2006 , 8, 236-243		8

121	Digital inline holography of biological specimens 2006,		5
120	Metrology and the linear canonical transform. <i>Journal of Modern Optics</i> , 2006 , 53, 2167-2186	1.1	13
119	Temporal response and first order volume changes during grating formation in photopolymers. <i>Journal of Applied Physics</i> , 2006 , 99, 113105	2.5	21
118	Analytical and numerical analysis of linear optical systems. <i>Optical Engineering</i> , 2006 , 45, 088201	1.1	30
117	Effect of the glass substrate on the efficiency of the different orders that propagate in a transmission sinusoidal diffraction grating. <i>Journal of Modern Optics</i> , 2006 , 53, 1403-1410	1.1	
116	Speckle photography: mixed domain fractional Fourier motion detection. <i>Optics Letters</i> , 2006 , 31, 32-4	3	16
115	Generalized Yamaguchi correlation factor for coherent quadratic phase speckle metrology systems with an aperture. <i>Optics Letters</i> , 2006 , 31, 3444-6	3	10
114	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
113	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
112	A known-plaintext heuristic attack on the Fourier plane encryption algorithm. <i>Optics Express</i> , 2006 , 14, 3181-6	3.3	174
111	Polarization encoding and multiplexing of two-dimensional signals: application to image encryption. <i>Applied Optics</i> , 2006 , 45, 5693-700	1.7	40
110	The Approximate Model for Holographic Grating Formation in Photopolymers 2006 , OPTuD15		
109	E-field control of the optical properties of liquid micro-optical elements 2006,		1
108	The fabrication of micro lens controlled by high voltage 2006,		1
107	New fast algorithm for the numerical computation of quadratic-phase integrals 2006 , 6313, 166		1
106	Applications of fast algorithms for the numerical calculation of optical signal transforms 2006,		1
105	Determination of diffusion rates in acrylamide-based photopolymer material 2006 , 6187, 379		
104	Examination of the temporal and kinetic effects in acrylamide based photopolymer using the nonlocal polymer driven diffusion model (NPDD) 2006 , 6252, 51		

103	3-dimensional analysis of holographic memories based on photopolymers using finite differences method 2006 , 6187, 307		
102	Photochemical effects during fabrication of holographic gratings in acrylamide-based photopolymer materials 2006 , 6187, 391		
101	Nonlocal polymerization driven diffusion model: volume changes during grating formation 2006 , 6335, 145		1
100	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
99	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
98	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
97	Recording beam modulation during grating formation. <i>Applied Optics</i> , 2005 , 44, 5475-82	1.7	11
96	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
95	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
94	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
93	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. <i>Optics Express</i> , 2005 , 13, 1939-47	3.3	51
92	3 Dimensional analysis of holographic photopolymers based memories. <i>Optics Express</i> , 2005 , 13, 3543-57	3.3	36
91	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
90	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
89	Temporal and non-ideal behavior in photopolymers 2005 ,		2
88	Tracking the space bandwidth product in optical systems 2005 ,		3
87	A recursive fast algorithm for the linear canonical transform 2005 ,		2
86	Wigner optics 2005 , 5827, 627		2

85	Linear canonical transforms, and speckle based metrology 2005 , 5879, 223		
84	Applications of spatial light modulators in optical signal processing systems 2005 ,		4
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