Zhengjun Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8563400/publications.pdf

Version: 2024-02-01

156	4,951	76326	106344
papers	citations	40	65
		h-index	g-index

158	158	158	1603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Double image encryption by using iterative random binary encoding in gyrator domains. Optics Express, 2010, 18, 12033.	3.4	263
2	Double image encryption based on iterative fractional Fourier transform. Optics Communications, 2007, 275, 324-329.	2.1	208
3	Color image encryption by using Arnold transform and color-blend operation in discrete cosine transform domains. Optics Communications, 2011, 284, 123-128.	2.1	201
4	Random fractional Fourier transform. Optics Letters, 2007, 32, 2088.	3.3	197
5	Image encryption algorithm by using fractional Fourier transform and pixel scrambling operation based on double random phase encoding. Optics and Lasers in Engineering, 2013, 51, 8-14.	3.8	156
6	A discrete fractional random transform. Optics Communications, 2005, 255, 357-365.	2.1	153
7	Asymmetric cryptosystem using random binary phase modulation based on mixture retrieval type of Yangâ€“Gu algorithm. Optics Letters, 2013, 38, 1651.	3.3	132
8	Generation of hollow Gaussian beams by spatial filtering. Optics Letters, 2007, 32, 2076.	3.3	124
9	Multiple-image encryption based on computational ghost imaging. Optics Communications, 2016, 359, 38-43.	2.1	110
10	Randomization of the Fourier transform. Optics Letters, 2007, 32, 478.	3.3	105
11	Image encryption scheme by using iterative random phase encoding in gyrator transform domains. Optics and Lasers in Engineering, 2011, 49, 542-546.	3.8	105
12	Image encryption by encoding with a nonuniform optical beam in gyrator transform domains. Applied Optics, 2010, 49, 5632.	2.1	91
13	A discrete fractional angular transform. Optics Communications, 2008, 281, 1424-1429.	2.1	89
14	Two noise-robust axial scanning multi-image phase retrieval algorithms based on Pauta criterion and smoothness constraint. Optics Express, 2017, 25, 16235.	3.4	88
15	Triple image encryption scheme in fractional Fourier transform domains. Optics Communications, 2009, 282, 518-522.	2.1	87
16	Color image encryption by using Arnold and discrete fractional random transforms in IHS space. Optics and Lasers in Engineering, 2010, 48, 1174-1181.	3.8	79
17	Double image encryption by using Arnold transform and discrete fractional angular transform. Optics and Lasers in Engineering, 2012, 50, 248-255.	3.8	76
18	Color image encryption based on the affine transform and gyrator transform. Optics and Lasers in Engineering, 2013, 51, 768-775.	3.8	74

#	Article	IF	Citations
19	Securing color image by using phase-only encoding in Fresnel domains. Optics and Lasers in Engineering, 2015, 68, 87-92.	3.8	73
20	Optical color image hiding scheme based on chaotic mapping and Hartley transform. Optics and Lasers in Engineering, 2013, 51, 967-972.	3.8	68
21	Double-image encryption based on the affine transform and the gyrator transform. Journal of Optics (United Kingdom), 2010, 12, 035407.	2.2	67
22	A novel double-image encryption scheme based on cross-image pixel scrambling in gyrator domains. Optics Express, 2014, 22, 7349.	3.4	67
23	Fast algorithm of discrete gyrator transform based on convolution operation. Optik, 2011, 122, 864-867.	2.9	66
24	Color image encryption by using the rotation of color vector in Hartley transform domains. Optics and Lasers in Engineering, 2010, 48, 800-805.	3.8	64
25	Hollow sinh-Gaussian beams and their paraxial properties. Optics Express, 2012, 20, 9682.	3.4	64
26	Watermarking based on discrete fractional random transform. Optics Communications, 2007, 272, 344-348.	2.1	61
27	Double image encryption scheme by using random phase encoding and pixel exchanging in the gyrator transform domains. Optics and Laser Technology, 2013, 47, 152-158.	4.6	60
28	Asymmetric optical cryptosystem for color image based on equal modulus decomposition in gyrator transform domains. Optics and Lasers in Engineering, 2017, 93, 1-8.	3.8	54
29	Asymmetric color cryptosystem using chaotic Ushiki map and equal modulus decomposition in fractional Fourier transform domains. Optics and Lasers in Engineering, 2019, 112, 7-15.	3.8	54
30	Image encryption by using gyrator transform and Arnold transform. Journal of Electronic Imaging, 2011, 20, 013020.	0.9	52
31	Iterative phase-amplitude retrieval with multiple intensity images at output plane of gyrator transforms. Journal of Optics (United Kingdom), 2015, 17, 025701.	2.2	52
32	Image watermarking by using phase retrieval algorithm in gyrator transform domain. Optics Communications, 2010, 283, 4923-4927.	2.1	51
33	A review of iterative phase retrieval for measurement and encryption. Optics and Lasers in Engineering, 2017, 89, 2-12.	3.8	51
34	A new kind of double image encryption by using a cutting spectrum in the 1-D fractional Fourier transform domains. Optics Communications, 2009, 282, 1536-1540.	2.1	50
35	Optical hyperspectral image encryption based on improved Chirikov mapping and gyrator transform. Optics and Lasers in Engineering, 2018, 107, 62-70.	3.8	50
36	Optical stream-cipher-like system for image encryption based on Michelson interferometer. Optics Express, 2011, 19, 2634.	3.4	48

#	Article	IF	Citations
37	Generation of hollow Gaussian beam by phase-only filtering. Optics Express, 2008, 16, 19926.	3.4	46
38	Optical multi-image encryption based on frequency shift. Optik, 2011, 122, 1010-1013.	2.9	45
39	Coherent diffraction imaging by moving a lens. Optics Express, 2016, 24, 16520.	3.4	44
40	Image hiding scheme by use of rotating squared sub-image in the gyrator transform domains. Optics and Laser Technology, 2013, 45, 198-203.	4.6	41
41	Cryptanalysis of an â€œasymmetric optical cryptosystem based on coherent superposition and equal modulus decompositionâ€• Applied Optics, 2015, 54, 8921.	2.1	39
42	A Recovery Method of Double Random Phase Encoding System With a Parallel Phase Retrieval. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	39
43	Multiple-image encryption based on optical asymmetric key cryptosystem. Optics Communications, 2015, 335, 205-211.	2.1	38
44	Image security based on iterative random phase encoding in expanded fractional Fourier transform domains. Optics and Lasers in Engineering, 2018, 105, 1-5.	3.8	38
45	Image encryption based on the random rotation operation in the fractional Fourier transform domains. Optics and Lasers in Engineering, 2012, 50, 1352-1358.	3.8	37
46	Image watermarking algorithm based on fractional Fourier transform and random phase encoding. Optics Communications, 2011, 284, 3918-3923.	2.1	35
47	Image sharing scheme based on combination theory. Optics Communications, 2008, 281, 5322-5325.	2.1	30
48	Correlated-imaging-based chosen plaintext attack on general cryptosystems composed of linear canonical transforms and phase encodings. Optics Communications, 2015, 338, 164-167.	2.1	30
49	A fast-converging iterative method based on weighted feedback for multi-distance phase retrieval. Scientific Reports, 2018, 8, 6436.	3.3	28
50	Computational coherent imaging by rotating a cylindrical lens. Optics Express, 2018, 26, 22110.	3.4	27
51	A compact image encryption system based on Arnold transformation. Multimedia Tools and Applications, 2021, 80, 2647-2661.	3.9	27
52	Image encryption scheme based on the commutation and anti-commutation rules. Optics Communications, 2007, 279, 285-290.	2.1	26
53	A novel chaos based optical cryptosystem for multiple images using DNA-blend and gyrator transform. Optics and Lasers in Engineering, 2021, 138, 106448.	3.8	26
54	Opto-digital image encryption by using Baker mapping and 1-D fractional Fourier transform. Optics and Lasers in Engineering, 2013, 51, 224-229.	3.8	25

#	Article	IF	Citations
55	Optical single-channel color image asymmetric cryptosystem based on hyperchaotic system and random modulus decomposition in Gyrator domains. Optics and Lasers in Engineering, 2020, 124, 105809.	3.8	25
56	Generation of spiraling high-order Bessel beams. Applied Physics B: Lasers and Optics, 2011, 104, 215-221.	2.2	24
57	Effect of deposition power and pressure on rate deposition and resistivity of titanium thin films grown by DC magnetron sputtering. Spectroscopy Letters, 2016, 49, 514-519.	1.0	24
58	Asymmetric cryptosystem by using modular arithmetic operation based on double random phase encoding. Optics Communications, 2013, 301-302, 56-60.	2.1	22
59	A robust multi-image phase retrieval. Optics and Lasers in Engineering, 2018, 101, 16-22.	3.8	22
60	Generalization and propagation of spiraling Bessel beams with a helical axicon. Chinese Physics B, 2012, 21, 014208.	1.4	21
61	Image encryption by using local random phase encoding in fractional Fourier transform domains. Optik, 2012, 123, 428-432.	2.9	21
62	Optical hyperspectral data encryption in spectrum domain by using 3D Arnold and gyrator transforms. Spectroscopy Letters, 2016, 49, 103-107.	1.0	21
63	Image encryption algorithm based on the random local phase encoding in gyrator transform domains. Optics Communications, 2012, 285, 3921-3925.	2.1	20
64	Asymmetric cryptosystem using random binary phase modulation based on mixture retrieval type of Yang-Gu algorithm: reply. Optics Letters, 2013, 38, 4045.	3.3	19
65	Propagation factors of multi-sinc Schell-model beams in non-Kolmogorov turbulence. Optics Express, 2016, 24, 1804.	3.4	19
66	Optical spectrum encryption in associated fractional Fourier transform and gyrator transform domain. Optical and Quantum Electronics, 2016, 48, 1.	3.3	19
67	Axial multi-image phase retrieval under tilt illumination. Scientific Reports, 2017, 7, 7562.	3.3	19
68	A method of solving tilt illumination for multiple distance phase retrieval. Optics and Lasers in Engineering, 2018, 106, 17-23.	3.8	19
69	Ptychography imaging by 1-D scanning with a diffuser. Optics Express, 2020, 28, 22658.	3.4	19
70	Optical color image hiding scheme by using Gerchbergâ€“Saxton algorithm in fractional Fourier domain. Optics and Lasers in Engineering, 2015, 66, 144-151.	3.8	18
71	Securing color image by using hyperchaotic system in gyrator transform domains. Optical and Quantum Electronics, 2016, 48, 1.	3.3	18
72	An adaptive watermarking using fractal dimension based on random fractional Fourier transform. Optics and Laser Technology, 2012, 44, 124-129.	4.6	17

#	Article	IF	Citations
73	A diffraction model of direction multiplexing method for hiding multiple images. Journal of Modern Optics, 2014, 61, 1127-1132.	1.3	17
74	Complex amplitude reconstruction by iterative amplitude-phase retrieval algorithm with reference. Optics and Lasers in Engineering, 2018, 105, 54-59.	3.8	17
75	Lensfree on-chip microscopy based on dual-plane phase retrieval. Optics Express, 2019, 27, 35216.	3.4	17
76	Fast quantitative phase imaging based on Kramers-Kronig relations in space domain. Optics Express, 2021, 29, 41067.	3.4	17
77	Noise-robust pixel-super-resolved multi-image phase retrieval with coherent illumination. Journal of Optics (United Kingdom), 2018, 20, 115703.	2.2	16
78	Image encryption based on double random amplitude coding in random Hartley transform domain. Optik, 2010, 121, 959-964.	2.9	15
79	Image sharing scheme based on discrete fractional random transform. Optik, 2010, 121, 495-499.	2.9	14
80	Adaptive lens-free computational coherent imaging using autofocusing quantification with speckle illumination. Optics Express, 2018, 26, 14407.	3.4	14
81	Optical cryptosystem scheme for hyperspectral image based on random spiral transform in gyrator domains. Optics and Lasers in Engineering, 2021, 137, 106375.	3.8	14
82	Securing color image by using bit-level modified integer nonlinear coupled chaos model in Fresnel diffraction domains. Optics and Lasers in Engineering, 2022, 152, 106969.	3.8	14
83	Opto-digital spectrum encryption by using Baker mapping and gyrator transform. Optics and Lasers in Engineering, 2015, 66, 285-293.	3.8	13
84	Multi-distance phase retrieval with a weighted shrink-wrap constraint. Optics and Lasers in Engineering, 2019, 113, 1-5.	3.8	13
85	Propagation characteristics of a non-uniformly Hermiteâ€“Gaussian correlated beam. Journal of Optics (United Kingdom), 2016, 18, 015606.	2.2	12
86	A parallel ptychographic iterative engine with a co-start region. Journal of Optics (United Kingdom), 2020, 22, 075701.	2.2	12
87	Optical Hyperspectral Image Cryptosystem Based on Affine Transform and Fractional Fourier Transform. Applied Sciences (Switzerland), 2019, 9, 330.	2.5	11
88	Propagation properties of radially polarized multi-Gaussian Schell-model beams in oceanic turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1719.	1.5	11
89	Fast automatic multiple positioning for lensless coherent diffraction imaging. Optics and Lasers in Engineering, 2022, 155, 107055.	3.8	11
90	The discrete fractional random cosine and sine transforms. Optics Communications, 2006, 265, 100-105.	2.1	10

#	Article	IF	Citations
91	Image encryption based on random scrambling of the amplitude and phase in the frequency domain. Optical Engineering, 2009, 48, 087005.	1.0	10
92	Optical secure image verification system based on ghost imaging. Optics Communications, 2017, 399, 98-103.	2.1	10
93	Multi-rotation coherent imaging by a phase mask. Optics and Lasers in Engineering, 2021, 139, 106511.	3.8	10
94	Lensfree on-chip microscopy based on single-plane phase retrieval. Optics Express, 2022, 30, 19855.	3.4	10
95	Robustness analysis of image watermarking based on discrete fractional random transform. Optical Engineering, 2008, 47, 057003.	1.0	9
96	Generation of dark hollow beam by use of phase-only filtering. Optics and Lasers in Engineering, 2009, 47, 1250-1253.	3.8	9
97	Propagation properties of Gaussian Schell-model array beams in non-Kolmogorov turbulence. Journal of Optics (United Kingdom), 2016, 18, 105601.	2.2	9
98	A gradient-based optical-flow cardiac motion estimation method for cine and tagged MR images. Medical Image Analysis, 2019, 57, 136-148.	11.6	9
99	Virtual source for rotational symmetric Lorentz-Gaussian beam. Chinese Optics Letters, 2012, 10, 062601-62605.	2.9	9
100	Elegant super Lorentzâ€“Gaussian beams. Optik, 2015, 126, 774-779.	2.9	8
101	Precision influence of a phase retrieval algorithm in fractional Fourier domains from position measurement error. Applied Optics, 2015, 54, 6940.	2.1	8
102	Estimation of cardiac motion in cine-MRI sequences by correlation transform optical flow of monogenic features distance. Physics in Medicine and Biology, 2016, 61, 8640-8663.	3.0	8
103	A novel unsupervised bands selection algorithm for hyperspectral image. Optik, 2018, 158, 985-996.	2.9	8
104	Spectrum sampling optimization for quantitative phase imaging based on Kramersâ€“Kronig relations. Optics Letters, 2022, 47, 2786.	3.3	8
105	Comment on "Optical image encryption with Hartley transforms". Optics Letters, 2007, 32, 766.	3.3	7
106	Giant and tunable optical torque for micro-motors by increased force arm and resonantly enhanced force. Scientific Reports, 2018, 8, 2819.	3.3	7
107	Generation of hollow beams by using phase filtering with multi-distance phase retrieval. Optics Communications, 2020, 456, 124611.	2.1	7
108	A coherent diffraction imaging by using an iterative phase retrieval with multiple patterns at several directions. Optical and Quantum Electronics, 2020, 52, 1.	3.3	7

#	Article	IF	Citations
109	Enhancing imaging contrast via weighted feedback for iterative multi-image phase retrieval. Journal of Biomedical Optics, 2018, 23, 1.	2.6	7
110	Fast autofocusing based on pixel difference with the Tanimoto coefficient between images. Optics Letters, 2022, 47, 3752.	3.3	7
111	Hyperspectral and high-resolution image fusion based on second generation Bandelet transform. Optical Engineering, 2013, 52, 067001.	1.0	6
112	A convolution-based fractional transform. Optical and Quantum Electronics, 2016, 48, 1.	3.3	6
113	Propagation factor of electromagnetic concentric rings Schell-model beams in non-Kolmogorov turbulence. Chinese Physics B, 2017, 26, 024201.	1.4	6
114	Color image cryptosystem using Fresnel diffraction and phase modulation in an expanded fractional Fourier transform domain. Laser Physics, 2018, 28, 055402.	1.2	6
115	Random sources generating far fields with ring-shaped array profiles. Optik, 2018, 168, 590-597.	2.9	6
116	A noise-robust multi-intensity phase retrieval method based on structural patch decomposition. Journal of Optics (United Kingdom), 2020, 22, 075706.	2.2	6
117	Single phase encoding method based on the fractional Fourier transform. Optik, 2010, 121, 1748-1751.	2.9	5
118	åŸºäºŽè•”å•å^†æ•°å‚…é‡Œå¶æ¢ä¸ŽGyratorå•æ¢çš„å¤šå›¾åƒå^†å¯†åŠå¯¯†. Chinese Optics Letters, 2010, 8, 290.	2.9	5
119	Simultaneous optical image compression and encryption using error-reduction phase retrieval algorithm. Journal of Optics (United Kingdom), 2015, 17, 125701.	2.2	5
120	Optical image asymmetric cryptosystem using fingerprint based on iterative fraction Fourier transform. Optical and Quantum Electronics, 2017, 49, 1.	3.3	5
121	Enhanced multi-rotation computational coherent imaging based on pre-illumination and simulated annealing compensation. Journal of Optics (United Kingdom), 2019, 21, 115701.	2.2	5
122	High-quality multi-wavelength lensfree microscopy based on nonlinear optimization. Optics and Lasers in Engineering, 2021, 137, 106402.	3.8	5
123	Multi-hyperbolic sine-correlated beams and their statistical properties in turbulent atmosphere. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1595.	1.5	5
124	Image Reconstruction Using Autofocus in Single-Lens System. Applied Sciences (Switzerland), 2022, 12, 1378.	2.5	5
125	Noise-robust phase retrieval by optics path modulation with adaptive feedback. Optics Communications, 2022, 515, 128199.	2.1	5
126	Lensfree auto-focusing imaging using nuclear norm of gradient. Optics and Lasers in Engineering, 2022, 156, 107076.	3.8	5

#	Article	IF	Citations
127	Random motion blur for optical image encryption. Optics Express, 2022, 30, 24310.	3.4	5
128	Phase properties of odd and even circular states. Chinese Physics B, 2010, 19, 054204.	1.4	4
129	Nonclassical properties of odd and even elliptical states. Optics Communications, 2011, 284, 282-288.	2.1	4
130	Secure optical verification using dual phase-only correlation. Journal of Optics (United Kingdom), 2015, 17, 025703.	2.2	4
131	Optical security validation using Michelson interferometer. Applied Optics, 2015, 54, 1802.	1.8	4
132	Target Recognition Algorithm for Fused Hyperspectral Image by Using Combined Spectra. Spectroscopy Letters, 2015, 48, 251-258.	1.0	4
133	Structured illumination imaging without grating rotation based on mirror operation on 1D Fourier spectrum. Optics Express, 2019, 27, 2016.	3.4	4
134	Adjustable frequency filtering and weighted feedback for iterative phase retrieval under noisy conditions. Optics and Lasers in Engineering, 2020, 124, 105808.	3.8	4
135	Lensfree super-resolved imaging based on adaptive Wiener filter and guided phase retrieval algorithm. Journal of Optics (United Kingdom), 2020, 22, 055703.	2.2	4
136	Accurate angle estimation based on moment for multirotation computation imaging. Applied Optics, 2020, 59, 492.	1.8	4
137	Self-adapting search algorithm for Fourier ptychographic microscopy. Optical and Quantum Electronics, 2021, 53, 1.	3.3	4
138	High-performance lensless diffraction imaging from diverse holograms by three-dimensional scanning. Optics Letters, 2022, 47, 3423.	3.3	4
139	A mixed scrambling operation for hiding image. Optik, 2013, 124, 5391-5396.	2.9	3
140	Wavefront reconstruction of a non-coaxial diffraction model in a lens system. Applied Optics, 2018, 57, 1127.	1.8	3
141	Asymmetric optical cryptosystem for multiple images based on devilâ€™s spiral Fresnel lens phase and random spiral transform in gyrator domain. Scientific Reports, 2021, 11, 20846.	3.3	3
142	Discrete electro-optic effect induced by multiscale nanoresonators. Optical Materials, 2022, 127, 112271.	3.6	3
143	Enormous electro-optic effect in paraelectric nanodisordered KTa_{1-x}NbxO₃ crystal. Optics Letters, 2022, 47, 3467.	3.3	3
144	REALIZATION OF HOLOGRAPHIC STORAGE ON METAL FILM BY FEMTOSECOND LASER PULSES MICROMACHINING. Journal of Nonlinear Optical Physics and Materials, 2009, 18, 617-623.	1.8	2

#	Article	IF	Citations
145	Decoherence of elliptical states in phase space. Chinese Physics B, 2011, 20, 054201.	1.4	2
146	Dual paths cryptosystem based on tilt Fresnel diffraction using non-spherical mirror and phase modulation in expanded fractional Fourier transform domain. Scientific Reports, 2019, 9, 15071.	3.3	2
147	Multispectral and panchromatic image fusion using a joint spatial domain and transform domain for improved DFRNT. Optik, 2015, 126, 5241-5248.	2.9	1
148	Semi-active control of space manipulator soft contacting based on magnetorheological rotational damper. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 2390-2398.	2.1	1
149	Comment on "Double-lens extended fractional Fourier transform". Applied Optics, 2008, 47, 617.	2.1	0
150	Image encryption based on double folding operation in fractional Fourier transform domain. , 2009, , .		0
151	Artifactless, lens-free coherent microscopy with quasi-3D scanning. Measurement Science and Technology, 2020, 31, 045402.	2.6	0
152	Computational imaging in multirotation cylinder lens based on precise angle estimation with principal component analysis. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	0
153	Tilt illumination for structured illumination imaging. Optical and Quantum Electronics, 2021, 53, 1.	3.3	0
154	Optical Cryptosystem Using Chaotic/Hyperchaotic System. Studies in Computational Intelligence, 2020, , 53-79.	0.9	0
155	Biological Sample Imaging by Ptychography with Laterally 1-D Scanning. , 2020, , .		0
156	Computational coherent imaging based on rotational phase modulation by a cylindrical lens. , 2020, , .		0