Nan-Run Zhou

List of Publications by Year
in descending order

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		66343	85541
138	5,778	42	71
papers	citations	h-index	g-index

139	139	139	2231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Image compressionâ€“encryption scheme based on hyper-chaotic system and 2D compressive sensing. Optics and Laser Technology, 2016, 82, 121-133.	4.6	303
2	Novel image compressionâ€“encryption hybrid algorithm based on key-controlled measurement matrix in compressive sensing. Optics and Laser Technology, 2014, 62, 152-160.	4.6	283
3	Image compression and encryption scheme based on 2D compressive sensing and fractional Mellin transform. Optics Communications, 2015, 343, 10-21.	2.1	229
4	Novel optical image encryption scheme based on fractional Mellin transform. Optics Communications, 2011, 284, 3234-3242.	2.1	225
5	Quantum image encryption based on generalized Arnold transform and double random-phase encoding. Quantum Information Processing, 2015, 14, 1193-1213.	2.2	190
6	An image compression and encryption algorithm based on chaotic system and compressive sensing. Optics and Laser Technology, 2019, 115, 257-267.	4.6	185
7	Prediction of photovoltaic power output based on similar day analysis, genetic algorithm and extreme learning machine. Energy, 2020, 204, 117894.	8.8	143
8	Optical image encryption algorithm based on phase-truncated short-time fractional Fourier transform and hyper-chaotic system. Optics and Lasers in Engineering, 2020, 124, 105816.	3.8	136
9	Nonlinear optical multi-image encryption scheme with two-dimensional linear canonical transform. Optics and Lasers in Engineering, 2020, 124, 105821.	3.8	120
10	Novel single-channel color image encryption algorithm based on chaos and fractional Fourier transform. Optics Communications, 2011, 284, 2789-2796.	2.1	112
11	An optical image compression and encryption scheme based on compressive sensing and RSA algorithm. Optics and Lasers in Engineering, 2019, 121, 169-180.	3.8	112
12	Multi-image compression-encryption scheme based on quaternion discrete fractional Hartley transform and improved pixel adaptive diffusion. Signal Processing, 2020, 175, 107652.	3.7	111
13	Double-image compression and encryption algorithm based on co-sparse representation and random pixel exchanging. Optics and Lasers in Engineering, 2018, 110, 72-79.	3.8	110
14	Quantum image encryption scheme with iterative generalized Arnold transforms and quantum image cycle shift operations. Quantum Information Processing, 2017, 16, 1.	2.2	106
15	Novel hybrid image compressionâ€“encryption algorithm based on compressive sensing. Optik, 2014, 125, 5075-5080.	2.9	105
16	Novel image encryption algorithm based on multiple-parameter discrete fractional random transform. Optics Communications, 2010, 283, 3037-3042.	2.1	92
17	Bit-level quantum color image encryption scheme with quantum cross-exchange operation and hyper-chaotic system. Quantum Information Processing, 2018, 17, 1.	2.2	87
18	Multi-image encryption scheme based on quantum 3D Arnold transform and scaled Zhongtang chaotic system. Quantum Information Processing, 2018, 17, 1.	2.2	85

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19	Image compression-encryption algorithms by combining hyper-chaotic system with discrete fractional random transform. Optics and Laser Technology, 2018, 103, 48-58.	4.6	83
20	Novel color image encryption algorithm based on the reality preserving fractional Mellin transform. Optics and Laser Technology, 2012, 44, 2270-2281.	4.6	81
21	A novel image compressionâ€“encryption hybrid algorithm based on the analysis sparse representation. Optics Communications, 2017, 392, 223-233.	2.1	79
22	Double-image encryption scheme combining DWT-based compressive sensing with discrete fractional random transform. Optics Communications, 2015, 354, 112-121.	2.1	77
23	Multiâ€Party Semiâ€Quantum Key Distribution Protocol With Fourâ€Particle Cluster States. Annalen Der Physik, 2019, 531, 1800520.	2.4	76
24	New quantum dialogue protocol based on continuous-variable two-mode squeezed vacuum states. Quantum Information Processing, 2017, 16, 1.	2.2	75
25	Quantum Image Encryption Algorithm Based on Image Correlation Decomposition. International Journal of Theoretical Physics, 2015, 54, 526-537.	1.2	74
26	Quantum Image Encryption Algorithm Based on Quantum Image XOR Operations. International Journal of Theoretical Physics, 2016, 55, 3234-3250.	1.2	72
27	Quantum identity authentication based on ping-pong technique for photons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 199-205.	2.1	71
28	Dynamic Multi-hop Clustering in a Wireless Sensor Network: Performance Improvement. Wireless Personal Communications, 2017, 95, 3733-3753.	2.7	70
29	Flexible multiple-image encryption algorithm based on log-polar transform and double random phase encoding technique. Journal of Modern Optics, 2013, 60, 1074-1082.	1.3	68
30	A continuous variable quantum deterministic key distribution based on two-mode squeezed states. Physica Scripta, 2014, 89, 035101.	2.5	66
31	New color image encryption scheme based on multi-parameter fractional discrete Tchebyshev moments and nonlinear fractal permutation method. Optics and Lasers in Engineering, 2022, 150, 106881.	3.8	64
32	New 4D chaotic system with hidden attractors and self-excited attractors and its application in image encryption based on RNG. Physica A: Statistical Mechanics and Its Applications, 2022, 591, 126793.	2.6	63
33	Quantum image encryption based on generalized affine transform and logistic map. Quantum Information Processing, 2016, 15, 2701-2724.	2.2	62
34	Image encryption scheme based on discrete cosine Stockwell transform and DNA-level modulus diffusion. Optics and Laser Technology, 2022, 149, 107879.	4.6	59
35	Secure and robust watermark scheme based on multiple transforms and particle swarm optimization algorithm. Multimedia Tools and Applications, 2019, 78, 2507-2523.	3.9	58
36	Fast color image encryption scheme based on 3D orthogonal Latin squares and matching matrix. Optics and Laser Technology, 2020, 131, 106437.	4.6	58

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37	Cross-center quantum identification scheme based on teleportation and entanglement swapping. Optics Communications, 2005, 254, 380-388.	2.1	53
38	Flexible Design Method for Multi-Repeater Wireless Power Transfer System Based on Coupled Resonator Bandpass Filter Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3288-3297.	5.4	53
39	Novel quantum image compression and encryption algorithm based on DQWT and 3D hyper-chaotic Henon map. Quantum Information Processing, 2020, 19, 1.	2.2	50
40	A New 4D Chaotic System with Coexisting Hidden Chaotic Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050142.	1.7	50
41	Imperceptible digital watermarking scheme in multiple transform domains. Multimedia Tools and Applications, 2018, 77, 30251-30267.	3.9	45
42	Image encryption based on the multiple-order discrete fractional cosine transform. Optics Communications, 2010, 283, 1720-1725.	2.1	43
43	Novel qubit block encryption algorithm with hybrid keys. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 693-698.	2.6	42
44	Optical multi-image encryption scheme based on discrete cosine transform and nonlinear fractional Mellin transform. Multimedia Tools and Applications, 2017, 76, 2933-2953.	3.9	42
45	Image encryption scheme based on fractional Mellin transform and phase retrieval technique in fractional Fourier domain. Optics and Laser Technology, 2013, 47, 341-346.	4.6	41
46	Four-image encryption method based on spectrum truncation, chaos and the MODFrFT. Optics and Laser Technology, 2013, 45, 571-577.	4.6	40
47	Robust information encryption diffractive-imaging-based scheme with special phase retrieval algorithm for a customized data container. Optics and Lasers in Engineering, 2018, 105, 118-124.	3.8	40
48	Semi-Quantum Key Distribution Protocols with GHZ States. International Journal of Theoretical Physics, 2018, 57, 3621-3631.	1.2	40
49	Transparency and tunable slow-fast light in a hybrid cavity optomechanical system. Optics Express, 2020, 28, 5288.	3.4	37
50	Robust and imperceptible watermarking scheme based on Canny edge detection and SVD in the contourlet domain. Multimedia Tools and Applications, 2021, 80, 439-461.	3.9	37
51	Quantum multi-image compression-encryption scheme based on quantum discrete cosine transform and 4D hyper-chaotic Henon map. Quantum Information Processing, 2021, 20, 1.	2.2	37
52	Quantum deterministic key distribution protocols based on teleportation and entanglement swapping. Optics Communications, 2011, 284, 4836-4842.	2.1	36
53	Image encryption algorithm based on the multi-order discrete fractional Mellin transform. Optics Communications, 2011, 284, 5588-5597.	2.1	34
54	Adaptive and blind watermarking scheme based on optimal SVD blocks selection. Multimedia Tools and Applications, 2020, 79, 243-261.	3.9	32

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55	Semi-quantum identification. Quantum Information Processing, 2019, 18, 1.	2.2	31
56	Semi-quantum private comparison protocol of size relation with d-dimensional Bell states. Quantum Information Processing, 2021, 20, 1.	2.2	31
57	Secure quantum telephone. Optics Communications, 2007, 275, 278-282.	2.1	29
58	Quantum K-Nearest-Neighbor Image Classification Algorithm Based on K-L Transform. International Journal of Theoretical Physics, 2021, 60, 1209-1224.	1.2	29
59	Triple color images encryption algorithm based on scrambling and the reality-preserving fractional discrete cosine transform. Optik, 2014, 125, 4474-4479.	2.9	27
60	Propagation properties of Hermite-cosine-Gaussian beams through a paraxial optical ABCD system with hard-edge aperture. Optics Communications, 2004, 232, 49-59.	2.1	26
61	Continuous variable quantum network dialogue protocol based on single-mode squeezed states. Laser Physics Letters, 2018, 15, 105204.	1.4	26
62	Three-Party Semi-Quantum Key Agreement Protocol. International Journal of Theoretical Physics, 2020, 59, 663-676.	1.2	26
63	New semi-quantum key agreement protocol based on high-dimensional single-particle states*. Chinese Physics B, 2020, 29, 110304.	1.4	26
64	Three-party remote state preparation schemes based on entanglement. Quantum Information Processing, 2014, 13, 513-526.	2.2	25
65	Optical image encryption scheme based on apertured fractional Mellin transform. Optics and Laser Technology, 2020, 124, 106001.	4.6	25
66	Novel Quantum Deterministic Key Distribution Protocols with Entangled States. International Journal of Theoretical Physics, 2010, 49, 2035-2044.	1.2	24
67	Multi-bit quantum random number generation by measuring positions of arrival photons. Review of Scientific Instruments, 2014, 85, 103116.	1.3	24
68	REALIZABLE QUANTUM BROADCASTING MULTI-SIGNATURE SCHEME. International Journal of Modern Physics B, 2008, 22, 4251-4259.	2.0	23
69	Secure Quantum Dialogue Protocol Based on W States Without Information Leakage. International Journal of Theoretical Physics, 2013, 52, 3204-3211.	1.2	23
70	Image encryption based on a reality-preserving fractional discrete cosine transform and a chaos-based generating sequence. Journal of Modern Optics, 2013, 60, 1760-1771.	1.3	23
71	Single-Photon Secure Quantum Dialogue Protocol Without Information Leakage. International Journal of Theoretical Physics, 2014, 53, 3829-3837.	1.2	23
72	Image encryption combining multiple generating sequences controlled fractional DCT with dependent scrambling and diffusion. Journal of Modern Optics, 2015, 62, 251-264.	1.3	23

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73	Radio Vortexâ€“Multiple-Input Multiple-Output Communication Systems With High Capacity. IEEE Access, 2015, 3, 2456-2464.	4.2	23
74	A novel quantum block encryption algorithm based on quantum computation. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 305-313.	2.6	22
75	Image encryption scheme based on random fractional discrete cosine transform and dependent scrambling and diffusion. Journal of Modern Optics, 2017, 64, 334-346.	1.3	22
76	Continuous Variable Quantum Secret Sharing via Quantum Teleportation. International Journal of Theoretical Physics, 2013, 52, 4174-4184.	1.2	21
77	Quantum deterministic key distribution protocols based on the authenticated entanglement channel. Physica Scripta, 2010, 81, 045009.	2.5	20
78	Novel Quantum Virtual Private Network Scheme for PON via Quantum Secure Direct Communication. International Journal of Theoretical Physics, 2013, 52, 3260-3268.	1.2	20
79	Multiparty Quantum Key Agreement Protocol with Entanglement Swapping. International Journal of Theoretical Physics, 2019, 58, 436-450.	1.2	20
80	Accurate prediction of photovoltaic power output based on long shortâ€term memory network. IET Optoelectronics, 2020, 14, 399-405.	3.3	20
81	Quantum particle swarm optimization algorithm with the truncated mean stabilization strategy. Quantum Information Processing, 2022, 21, 1.	2.2	20
82	Efficient Three-Party Quantum Dialogue Protocol Based on the Continuous Variable GHZ States. International Journal of Theoretical Physics, 2016, 55, 3147-3155.	1.2	18
83	High-dimensional quantum key distribution based on qudits transmission with quantum Fourier transform. Quantum Information Processing, 2019, 18, 1.	2.2	17
84	A semi-quantum authentication protocol for message and identity. Laser Physics Letters, 2019, 16, 075206.	1.4	17
85	Tunable optical second-order sideband effects in a parity-time symmetric optomechanical system. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	17
86	Quantum Private Comparison Protocol Based on Four-Particle GHZ States. International Journal of Theoretical Physics, 2020, 59, 1798-1806.	1.2	16
87	Quantitative estimation of mismatch losses in photovoltaic arrays under partial shading conditions. Optik, 2020, 203, 163950.	2.9	15
88	Born machine model based on matrix product state quantum circuit. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126907.	2.6	15
89	Radio vortex for future wireless broadband communications with high capacity. IEEE Wireless Communications, 2015, 22, 98-104.	9.0	14
90	Color image encryption combining a reality-preserving fractional DCT with chaotic mapping in HSI space. Multimedia Tools and Applications, 2016, 75, 6605-6620.	3.9	14

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91	Secrecy Rate of Two-Hop AF Relaying Networks with an Untrusted Relay. Wireless Personal Communications, 2014, 75, 119-129.	2.7	13
92	A novel image encryption scheme based on chaotic apertured fractional Mellin transform and its filter bank. Expert Systems With Applications, 2022, 207, 118067.	7.6	13
93	Secure Direct Communication Based onÂNon-Orthogonal Entangled Pairs andÂLocalÂMeasurement. International Journal of Theoretical Physics, 2008, 47, 3401-3407.	1.2	12
94	Semi-Quantum Bi-Signature Scheme Based on W States. International Journal of Theoretical Physics, 2019, 58, 3239-3251.	1.2	12
95	Color Image Encryption Algorithm Combining Compressive Sensing with Arnold Transform. Journal of Computers, 2013, 8, .	0.4	12
96	Algorithms for flattened Gaussian beams passing through apertured and unapertured paraxial ABCD optical systems. Optics Communications, 2004, 240, 299-306.	2.1	11
97	Image Encryption with Discrete Fractional Cosine Transform and Chaos. , 2009, , .		11
98	Quantum Multi-Image Encryption Based on Iteration Arnold Transform with Parameters and Image Correlation Decomposition. International Journal of Theoretical Physics, 2017, 56, 2192-2205.	1.2	11
99	Quantum Watermark Algorithm Based on Maximum Pixel Difference and Tent Map. International Journal of Theoretical Physics, 2021, 60, 3306-3333.	1.2	11
100	Recurrence propagation equation of Hermite-Gaussian beams through a paraxial optical ABCD system with hard-edge aperture. Optik, 2003, 114, 113-117.	2.9	10
101	Secure Cooperative Communication via Artificial Noise for Wireless Two-Hop Relaying Networks. Wireless Personal Communications, 2015, 82, 1759-1771.	2.7	9
102	Tripartite Entanglement in an Atom-Cavity-Optomechanical System. International Journal of Theoretical Physics, 2018, 57, 1319-1337.	1.2	7
103	Cooperative Interference and Power Allocation in a Bidirectional Untrusted Relay Network With Channel Estimation Errors. IEEE Access, 2018, 6, 50950-50958.	4.2	7
104	Quantum Communication: Multiâ€Party Semiâ€Quantum Key Distribution Protocol With Fourâ€Particle Cluster States (Ann. Phys. 8/2019). Annalen Der Physik, 2019, 531, 1970031.	2.4	7
105	Three-Party Quantum Key Agreement Protocol with Seven-Qubit Entangled States. International Journal of Theoretical Physics, 2018, 57, 3505-3513.	1.2	6
106	Properties of Entanglement between the JC Model and Atom-Cavity-Optomechanical System. International Journal of Theoretical Physics, 2019, 58, 2641-2653.	1.2	6
107	Two Semi-Quantum Key Distribution Protocols with G-Like States. International Journal of Theoretical Physics, 2020, 59, 1884-1896.	1.2	6
108	Image Encryption Scheme Based on Block Scrambling, Closed-Loop Diffusion, and DNA Molecular Mutation. Security and Communication Networks, 2021, 2021, 1-16.	1.5	6

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109	Nonlinear Multi-Image Encryption Scheme with the Reality-Preserving Discrete Fractional Angular Transform and DNA Sequences. Security and Communication Networks, 2021, 2021, 1-18.	1.5	6
110	Colour image encryption scheme based on the real-valued discrete Gabor transform. Journal of Modern Optics, 2022, 69, 511-522.	1.3	6
111	Multiparty quantum dialogue protocol based on continuous variable squeezed states. , 2017, , .		5
112	New Quantum Key Distribution Scheme Based on Random Hybrid Quantum Channel with EPR Pairs and GHZ States. International Journal of Theoretical Physics, 2018, 57, 2648-2656.	1.2	5
113	Multi-Party Semi-Quantum Key Agreement Protocol Based on the Four-Qubit Cluster States. International Journal of Theoretical Physics, 2022, 61, .	1.2	5
114	Second-order coherence of light fields with a beam splitter. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 4301-4308.	1.5	4
115	Three-Party Stop-Wait Quantum Communication Protocol for Data Link Layer Based on GHZ State. International Journal of Theoretical Physics, 2013, 52, 811-819.	1.2	4
116	Three-Party Quantum Network Communication Protocols Based on Quantum Teleportation. International Journal of Theoretical Physics, 2014, 53, 1387-1403.	1.2	4
117	Reduced-reference image quality metric based on statistic model in complex wavelet transform domain. Signal Processing: Image Communication, 2019, 74, 218-230.	3.2	4
118	Multi-party semi-quantum secure direct communication protocol with cluster states. International Journal of Theoretical Physics, 2020, 59, 2175-2186.	1.2	4
119	Secrecy rate maximisation for nonâ€linear energy harvesting relay networks with cooperative jamming and imperfect channel state information. IET Communications, 2020, 14, 923-929.	2.2	4
120	Three Attacks on the Mediated Semiâ€Quantum Key Distribution without Invoking Quantum Measurement. Annalen Der Physik, 2020, 532, 2000251.	2.4	3
121	Optical Image Encryption Scheme Based on Multiple-parameter Random Fractional Fourier Transform. , 2009, , .		2
122	Spectrum analysis on Mellin Ttransform and fractional Mellin transform. , 2011, , .		2
123	Entanglement swapping in two independent atom-cavity-optomechanical systems. Journal of the Korean Physical Society, 2016, 69, 505-511.	0.7	2
124	An improved quantum key distribution protocol based on second-order coherence. Optics Communications, 2006, 260, 351-354.	2.1	1
125	Secure communication of cluster-based ad hoc networks using ID-based cryptography. , 2008, , .		1
126	Secrecy Outage Probability of a Distributed Multi-Antenna Cooperative Communication System. Wireless Personal Communications, 2016, 90, 1635-1645.	2.7	1

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127	Single-Channel Color Image Encryption Using the Reality-Preserving Fractional Discrete Cosine Transform in YCbCr Space. Journal of Computers, 2013, 8, .	0.4	1
128	High stability planar perovskite solar cells with inorganic charge transport layers. Journal of Photonics for Energy, 2018, 8, 1.	1.3	1
129	Image encryption scheme based on a Gaussian apertured reality-preserving fractional Mellin transform. Optica Applicata, 2020, 50, .	0.2	1
130	Secrecy rate optimization for SWIPT in twoâ€way relay networks with multiple untrusted relays and channel estimation errors. IET Communications, 2021, 15, 2564-2574.	2.2	1
131	Image Reconstruction from Multiscale Singular Points Based on the Dual-Tree Complex Wavelet Transform. Security and Communication Networks, 2021, 2021, 1-14.	1.5	1
132	Cascade quantum teleportation. Optoelectronics Letters, 2006, 2, 455-458.	0.8	0
133	An improved mechanism for four-way handshake procedure in IEEE802.11i. , 2010, , .		0
134	A new pixel contractible visual secret sharing scheme. , 2011, , .		0
135	WEYL CORRESPONDENCE FORMALISM FOR DESCRIBING ELECTRON UNDER UNIFORM MAGNETIC FIELD STUDIED BY VIRTUE OF THE ENTANGLED STATE REPRESENTATION. International Journal of Modern Physics B, 2011, 25, 1029-1036.	2.0	0
136	Properties of hybrid entanglement among two flux qubits and a nitrogen-vacancy-center ensemble. Laser Physics, 2018, 28, 085204.	1.2	0
137	Neurons in Primary Motor Cortex Encode External Perturbations during an Orientation Reaching Task. Brain Sciences, 2021, 11, 1125.	2.3	0
138	A Global Decoding Strategy with a Reduced-Reference Metric Designed for the Wireless Transmission of JPWL. Lecture Notes in Computer Science, 2018, , 496-505.	1.3	0