

Irma ChacÃ³n

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2187776/publications.pdf>

Version: 2024-02-01

47
papers

3,736
citations

159358

30
h-index

233125

45
g-index

47
all docs

47
docs citations

47
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	A symmetric image encryption algorithm based on mixed linearâ€“nonlinear coupled map lattice. Information Sciences, 2014, 273, 329-351.	4.0	503
2	A novel chaotic image encryption scheme using DNA sequence operations. Optics and Lasers in Engineering, 2015, 73, 53-61.	2.0	430
3	A novel chaotic block image encryption algorithm based on dynamic random growth technique. Optics and Lasers in Engineering, 2015, 66, 10-18.	2.0	379
4	A new image encryption algorithm based on non-adjacent coupled map lattices. Applied Soft Computing Journal, 2015, 26, 10-20.	4.1	320
5	An Image Encryption Algorithm Based on Josephus Traversing and Mixed Chaotic Map. IEEE Access, 2018, 6, 23733-23746.	2.6	147
6	Novel image encryption algorithm based on cycle shift and chaotic system. Optics and Lasers in Engineering, 2015, 68, 126-134.	2.0	135
7	A new color image encryption scheme based on 2DNLCML system and genetic operations. Optics and Lasers in Engineering, 2020, 128, 106040.	2.0	124
8	An image encryption scheme based on the MLNCML system using DNA sequences. Optics and Lasers in Engineering, 2016, 82, 95-103.	2.0	123
9	Analysis and improvement of a chaos-based symmetric image encryption scheme using a bit-level permutation. Nonlinear Dynamics, 2014, 77, 687-698.	2.7	113
10	A fast image algorithm based on rows and columns switch. Nonlinear Dynamics, 2015, 79, 1141-1149.	2.7	107
11	Spatiotemporal chaos in mixed linearâ€“nonlinear coupled logistic map lattice. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 104-118.	1.2	103
12	Image encryption algorithm based on multiple mixed hash functions and cyclic shift. Optics and Lasers in Engineering, 2018, 107, 370-379.	2.0	85
13	A Novel Method for Constructing the S-Box Based on Spatiotemporal Chaotic Dynamics. Applied Sciences (Switzerland), 2018, 8, 2650.	1.3	73
14	Image encryption using complex hyper chaotic system by injecting impulse into parameters. Applied Mathematics and Computation, 2019, 360, 83-93.	1.4	72
15	An Efficient Image Encryption Scheme Based on S-Boxes and Fractional-Order Differential Logistic Map. IEEE Access, 2020, 8, 54175-54188.	2.6	69
16	A novel color image encryption scheme using DNA permutation based on the Lorenz system. Multimedia Tools and Applications, 2018, 77, 6243-6265.	2.6	68
17	A novel image encryption scheme based on 2-D logistic map and DNA sequence operations. Nonlinear Dynamics, 2015, 82, 1269-1280.	2.7	66
18	A novel image encryption cryptosystem based on true random numbers and chaotic systems. Multimedia Systems, 2022, 28, 95-112.	3.0	63

#	ARTICLE	IF	CITATIONS
19	A chaotic image encryption algorithm based on random dynamic mixing. Optics and Laser Technology, 2021, 138, 106837.	2.2	60
20	A one-time pad color image cryptosystem based on SHA-3 and multiple chaotic systems. Optics and Lasers in Engineering, 2018, 103, 1-8.	2.0	53
21	A novel chaotic encryption scheme based on image segmentation and multiple diffusion models. Optics and Laser Technology, 2018, 108, 558-573.	2.2	53
22	A new image encryption scheme based on coupling map lattices with mixed multi-chaos. Scientific Reports, 2020, 10, 9784.	1.6	53
23	Simple colour image cryptosystem with very high level of security. Chaos, Solitons and Fractals, 2020, 141, 110225.	2.5	52
24	A new image encryption algorithm based on two-dimensional spatiotemporal chaotic system. Neural Computing and Applications, 2020, 32, 247-260.	3.2	48
25	A novel chaotic system and its application in a color image cryptosystem. Optics and Lasers in Engineering, 2019, 121, 479-494.	2.0	47
26	Spatiotemporal Chaos in Coupled Logistic Map Lattice With Dynamic Coupling Coefficient and its Application in Image Encryption. IEEE Access, 2018, 6, 39705-39724.	2.6	41
27	A Colour Image Encryption Scheme Using Permutation-Substitution Based on Chaos. Entropy, 2015, 17, 3877-3897.	1.1	35
28	Spatiotemporal chaos in mixed linear and nonlinear two-dimensional coupled logistic map lattice. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 148-160.	1.2	32
29	Spatiotemporal chaos in Arnold coupled logistic map lattice. Nonlinear Analysis: Modelling and Control, 2013, 18, 526-541.	1.1	32
30	Spatiotemporal chaos of fractional order logistic equation in nonlinear coupled lattices. Communications in Nonlinear Science and Numerical Simulation, 2017, 52, 52-61.	1.7	30
31	A Novel Chaotic Image Encryption Scheme Based on Hash Function and Cyclic Shift. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2019, 36, 39-48.	2.1	26
32	Chaotic image encryption algorithm based on pseudo-random bit sequence and DNA plane. Modern Physics Letters B, 2019, 33, 1950263.	1.0	26
33	Fractional Order Spatiotemporal Chaos with Delay in Spatial Nonlinear Coupling. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850020.	0.7	24
34	A novel pseudo-random coupled LP spatiotemporal chaos and its application in image encryption. Chinese Physics B, 2018, 27, 110502.	0.7	24
35	An enhanced sub-image encryption method. Optics and Lasers in Engineering, 2016, 86, 248-254.	2.0	22
36	A new image encryption algorithm based on the OF-LSTMS and chaotic sequences. Scientific Reports, 2021, 11, 6398.	1.6	22

#	ARTICLE	IF	CITATIONS
37	A new image encryption algorithm based on Latin square matrix. <i>Nonlinear Dynamics</i> , 2022, 107, 1277-1293.	2.7	19
38	A secure image encryption scheme based on genetic mutation and MLNCML chaotic system. <i>Multimedia Tools and Applications</i> , 2021, 80, 19291-19305.	2.6	13
39	DeepTrigger: A Watermarking Scheme of Deep Learning Models Based on Chaotic Automatic Data Annotation. <i>IEEE Access</i> , 2020, 8, 213296-213305.	2.6	8
40	A novel chaotic image encryption with FSV based global bit-level chaotic permutation. <i>Multimedia Tools and Applications</i> , 2023, 82, 407-426.	2.6	8
41	Fractal sorting vector-based least significant bit chaotic permutation for image encryption*. <i>Chinese Physics B</i> , 2021, 30, 060508.	0.7	7
42	A novel color image encryption algorithm based on the fractional order laser chaotic system and the DNA mutation principle. <i>Multimedia Tools and Applications</i> , 2022, 81, 559-587.	2.6	7
43	A Parameter Modulation Chaotic Secure Communication Scheme with Channel Noises. <i>Chinese Physics Letters</i> , 2011, 28, 020505.	1.3	5
44	A color image encryption algorithm based on DNA computation and Chen system. <i>Journal of Physics: Conference Series</i> , 2018, 1074, 012096.	0.3	4
45	High-Capacity Image Steganography Based on Discrete Hadamard Transform. <i>IEEE Access</i> , 2022, 10, 65141-65155.	2.6	4
46	Exponential Synchronization of Nonlinear Systems with Delay via Aperiodically Intermittent Control. , 2018, , .		1
47	A Novel Watermarking Mechanism for Deep Learning Models based on Chaotic Boundaries. , 2021, , .		0