Wassim Alexan

List of Publications by Year
in descending order

48 papers	492 citations	1478505 6 h-index	1720034 7 g-index
48 all docs	48 docs citations	48 times ranked	69 citing authors

#	Article	IF	Citations
1	Image encryption based on a combination of multiple chaotic maps. Multimedia Tools and Applications, 2022, 81, 25497-25518.	3.9	60
2	RGB Image Encryption through Cellular Automata, S-Box and the Lorenz System. Symmetry, 2022, 14, 443.	2.2	53
3	Secure 3D data hiding technique based on a mesh traversal algorithm. Multimedia Tools and Applications, 2020, 79, 29289-29303.	3.9	25
4	A High Capacity Geometrical Domain Based 3D Image Steganography Scheme. , 2019, , .		22
5	Logistic Sine Map Based Image Encryption. , 2019, , .		22
6	AES-Secured Bit-Cycling Steganography in Sliced 3D Images. , 2020, , .		18
7	Image Encryption Through Lucas Sequence, S-Box and Chaos Theory. , 2021, , .		18
8	Secure Message Embedding in 3D Images. , 2019, , .		16
9	A Comparative Study Among Different Mathematical Sequences in 3D Image Steganography. International Journal of Computing and Digital Systems, 2020, 9, 545-552.	0.7	16
10	Lightweight Image Encryption: Cellular Automata and the Lorenz System. , 2021, , .		16
11	Blowfishâ€"Secured Audio Steganography. , 2019, , .		14
12	Sequence-Based Bit-Cycling in Double Layer Message Security. , 2018, , .		13
13	Triple-Layer Image Security Using a Zigzag Embedding Pattern. , 2019, , .		13
14	Image Encryption Through RÃ¶ssler System, PRNG S-Box and RecamÃ¡n's Sequence. , 2022, , .		13
15	A Threshold-Free LLR-Based Scheme to Minimize the BER for Decode-and-Forward Relaying. Wireless Personal Communications, 2018, 100, 787-801.	2.7	11
16	An AES Doubleâ€"Layer Based Message Security Scheme. , 2019, , .		11
17	Logistic Tan Map Based Audio Steganography. , 2019, , .		11
18	Message Security Through AES and LSB Embedding in Edge Detected Pixels of 3D Images. , 2020, , .		11

#	Article	IF	Citations
19	Utilization of Corner Filters, AES and LSB Steganography for Secure Message Transmission. , 2021, , .		11
20	A High capacity Double-Layer Gray Code Based Security Scheme for Secure Data Embedding. , 2019, , .		10
21	A Comparative Study on the Performance of LLR- and SNR-Based Hybrid Relaying Schemes. Wireless Communications and Mobile Computing, 2017, 2017, 1-7.	1.2	9
22	Double-Layer Image Security Scheme with Aggregated Mathematical Sequences. , 2019, , .		9
23	A 3DES Double–Layer Based Message Security Scheme. , 2019, , .		8
24	Secure 2D Image Steganography Using Recamán's Sequence. , 2019, , .		7
25	3D Image Steganography Using Sine Logistic Map and 2D Hyperchaotic Map. , 2019, , .		7
26	Security Through Blowfish and LSB Bit–Cycling With Mathematical Sequences. , 2019, , .		7
27	3D Steganography by Random Shuffling of Image Contents Using Residue Model. , 2020, , .		7
28	IoMT Security: SHA3-512, AES-256, RSA and LSB Steganography. , 2021, , .		7
29	Secure Message Embedding in Audio. , 2019, , .		6
30	A Comparative Study of Audio Steganography Schemes. International Journal of Computing and Digital Systems, 2021, 10, 555-562.	0.7	6
31	A quantized reliability-relay selection method for wireless cooperative communications. , 2014, , .		5
32	A hybrid relaying protocol for wireless cooperative networks based on the log-likelihood ratio. , 2015, , .		4
33	Interference management for D2D communications underlay macro-small cell networks with imperfect channel estimation. , 2017, , .		4
34	A High Capacity Gray Code Based Security Scheme for Non-Redundant Data Embedding. , 2020, , .		4
35	Adaptive Hybrid Scheme for Cooperative Communications. , 2018, , .		3
36	A Multiple Layer Security Scheme Utilizing Information Matrices. , 2019, , .		3

#	Article	IF	Citations
37	Securing Sensitive Data Through Corner Filters, Chaotic Maps and LSB Embedding. , 2021, , .		3
38	LLR-based hybrid relaying as a countermeasure against an impulsive noise jamming attack. , 2015, , .		2
39	Two-Way decode and forward relaying for OFDMA mobile systems. , 2017, , .		2
40	Fixed and adaptive relaying power schemes for underlay cognitive radio networks. , 2017, , .		2
41	A relay selection method for bidirectional wireless cooperative networks based on the log-likelihood ratio. , 2015, , .		1
42	A comparative study on power allocation for cooperative systems over Rayleigh fading channels. , 2018, , .		1
43	A Comparative Study of Relaying Networks: An Outage Probability Approach. , 2019, , .		1
44	Performance of two way DF relaying with co-channel interference and channel estimation error. , 2015, , .		0
45	A comparative study of hybrid relaying protocols for M-PSK modulated signals over Rayleigh fading. , 2018, , .		0
46	LLRâ€"Based Hybrid Onâ€"Off Relaying in Rayleigh Fading. , 2019, , .		0
47	SOR Weighting Factor Optimization of AC Systems and Electrical Circuits. , 2021, , .		0
48	Identifying the Motivational Influences on Studentsâ€™ Choice of Engineering Major. , 2022, , .		0