osama faragallah

List of Publications by Year
in descending order

62 papers	**1,464** citations	304602 **22** h-index

377752 **34** g-index

62 all docs	**62** docs citations	**62** times ranked	**765** citing authors

#	ARTICLE	IF	CITATIONS
1	Cybersecurity framework of hybrid watermarking and selective encryption for secure HEVC communication. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1215-1239.	3.3	30
2	Hilbert resonator-based multiband tunable graphene metasurface polarizer for lower THz frequency. Journal of Computational Electronics, 2022, 21, 280-288.	1.3	45
3	Efficient Generation of Cancelable Face Templates Based on Quantum Image Hilbert Permutation. Electronics (Switzerland), 2022, 11, 1040.	1.8	5
4	High mobility transmission system under intelligent reflecting surface. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	3
5	Small Details Gray Scale Image Encryption Using RC6 Block Cipher. Wireless Personal Communications, 2021, 118, 1559-1589.	1.8	6
6	Performance Analysis of IoT and Long-Range Radio-Based Sensor Node and Gateway Architecture for Solid Waste Management. Sensors, 2021, 21, 2774.	2.1	38
7	Highly Sensitive Twin Resonance Coupling Refractive Index Sensor Based on Gold- and MgF2-Coated Nano Metal Films. Biosensors, 2021, 11, 104.	2.3	70
8	Efficient way for detection of alcohols using hollow core photonic crystal fiber sensor. Optical Review, 2021, 28, 383-392.	1.2	57
9	A comparative study of broadband solar absorbers with different gold metasurfaces and MgF2 on tungsten substrates. Journal of Computational Electronics, 2021, 20, 1840-1850.	1.3	47
10	Design and numerical analysis of a photonic crystal fiber (PCF)-based flattened dispersion THz waveguide. Optical Review, 2021, 28, 564-572.	1.2	46
11	Secure Opto-Audio Cryptosystem Using XORing Mask and Hartley Transform. IEEE Access, 2021, 9, 25437-25449.	2.6	10
12	Efficient storage and classification of color patterns based on integrating interpolation with ANN/SVM. Multimedia Tools and Applications, 2020, 79, 947-978.	2.6	1
13	Secure color image cryptosystem based on chaotic logistic in the FrFT domain. Multimedia Tools and Applications, 2020, 79, 2495-2519.	2.6	43
14	Efficient HEVC Integrity Verification Scheme for Multimedia Cybersecurity Applications. IEEE Access, 2020, 8, 167069-167089.	2.6	36
15	A Password-Based Authentication System Based on the CAPTCHA AI Problem. IEEE Access, 2020, 8, 153914-153928.	2.6	9
16	Efficient chaotic-based image cryptosystem with different modes of operation. Multimedia Tools and Applications, 2020, 79, 20665-20687.	2.6	45
17	Efficiently Encrypting Color Images With Few Details Based on RC6 and Different Operation Modes for Cybersecurity Applications. IEEE Access, 2020, 8, 103200-103218.	2.6	33
18	A novel deep learning framework for copy-moveforgery detection in images. Multimedia Tools and Applications, 2020, 79, 19167-19192.	2.6	49

#	Article	IF	Citations
19	Transmission of Chaotic-based Encrypted Audio Through OFDM. Wireless Personal Communications, 2020, 113, 241-261.	1.8	17
20	Investigation of Chaotic Image Encryption in Spatial and FrFT Domains for Cybersecurity Applications. IEEE Access, 2020, 8, 42491-42503.	2.6	54
21	Efficient signal and protocol level security for network communication. International Journal of Speech Technology, 2020, 23, 399-424.	1.4	3
22	Steganography of Encrypted Messages Inside Valid QR Codes. IEEE Access, 2020, 8, 27861-27873.	2.6	17
23	Estimation and Tracking for Millimeter Wave MIMO Systems Under Phase Noise Problem. IEEE Access, 2020, 8, 228009-228023.	2.6	10
24	Efficient multi-scale non-sub-sampled shearlet fusion system based on modified central force optimization and contrast enhancement. Infrared Physics and Technology, 2019, 102, 102975.	1.3	29
25	Efficient Face Recognition Using Regularized Adaptive Non-Local Sparse Coding. IEEE Access, 2019, 7, 10653-10662.	2.6	7
26	An optimal wavelet-based multi-modality medical image fusion approach based on modified central force optimization and histogram matching. Multimedia Tools and Applications, 2019, 78, 26373-26397.	2.6	16
27	Development of Serious Games for Teaching Information Security Courses. IEEE Access, 2019, 7, 169293-169305.	2.6	10
28	A fast hybrid image cryptosystem based on random generator and modified logistic map. Multimedia Tools and Applications, 2019, 78, 16177-16193.	2.6	10
29	Block-Based Optical Color Image Encryption Based on Double Random Phase Encoding. IEEE Access, 2019, 7, 4184-4194.	2.6	48
30	Efficient tumor detection in medical images using pixel intensity estimation based on nonparametric approach. Expert Systems With Applications, 2019, 120, 139-154.	4.4	10
31	Two stages object recognition based copy-move forgery detection algorithm. Multimedia Tools and Applications, 2019, 78, 15353-15373.	2.6	20
32	Robust noise MKMFCCâ€"SVM automatic speaker identification. International Journal of Speech Technology, 2018, 21, 185-192.	1.4	15
33	CABAC-based selective encryption for HEVC using RC6 in different operation modes. Multimedia Tools and Applications, 2018, 77, 28395-28416.	2.6	18
34	Secure Audio Cryptosystem Using Hashed Image LSB watermarking and Encryption. Wireless Personal Communications, 2018, 98, 2009-2023.	1.8	16
35	Quality enhancement of infrared images using dynamic fuzzy histogram equalization and high pass adaptation in DWT. Optik, 2018, 160, 146-158.	1.4	10
36	Efficient HEVC selective stream encryption using chaotic logistic map. Multimedia Systems, 2018, 24, 419-437.	3.0	26

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37	An efficient DT-CWT medical image fusion system based on modified central force optimization and histogram matching. Infrared Physics and Technology, 2018, 94, 223-231.	1.3	55
38	Robust hybrid watermarking techniques for different color imaging systems. Multimedia Tools and Applications, 2018, 77, 25709-25759.	2.6	37
39	A Neural Network-Based Learning Algorithm for Intrusion Detection Systems. Wireless Personal Communications, 2017, 97, 3097-3112.	1.8	16
40	Efficient cardiac segmentation using random walk with pre-computation and intensity prior model. Applied Soft Computing Journal, 2017, 61, 427-446.	4.1	3
41	Efficient audio integrity verification algorithm using discrete cosine transform. International Journal of Speech Technology, 2016, 19, 1-8.	1.4	15
42	Improved Hierarchical Key Management Scheme (IHKMS) with Three Phase Technique for Ad-Hoc Networks. Wireless Personal Communications, 2016, 91, 1297-1319.	1.8	1
43	Transmission of DWT Block-Based KLT Watermarked Images Through MC-CDMA Wireless Channel. Wireless Personal Communications, 2016, 90, 1387-1404.	1.8	1
44	Secure Wireless Image Communication Using LSB Steganography and Chaotic Baker Ciphering. Wireless Personal Communications, 2016, 91, 1023-1049.	1.8	21
45	Content Verification of Encrypted Images Transmitted Over Wireless AWGN Channels. Wireless Personal Communications, 2016, 88, 479-491.	1.8	14
46	The Effect of Fractional Fourier Transform Angle in Encryption Quality for Digital Images. Optik, 2016, 127, 315-319.	1.4	18
47	Wavelet fusion for encrypting images with a few details. Computers and Electrical Engineering, 2016, 54, 450-470.	3.0	12
48	Resolution enhancement of images for further pattern recognition applications. Optik, 2016, 127, 484-492.	1.4	2
49	Chaos-based model for encryption and decryption of digital images. Multimedia Tools and Applications, 2016, 75, 11529-11553.	2.6	22
50	Robust Image watermarking Method Using Homomorphic Block-Based KLT. Optik, 2016, 127, 2374-2381.	1.4	11
51	Efficient audio cryptosystem based on chaotic maps and double random phase encoding. International Journal of Speech Technology, 2015, 18, 619-631.	1.4	21
52	Sensitivity of automatic speaker identification to SVD digital audio watermarking. International Journal of Speech Technology, 2015, 18, 565-581.	1.4	7
53	Efficient confusionâ€"diffusion chaotic image cryptosystem using enhanced standard map. Signal, Image and Video Processing, 2015, 9, 1917-1926.	1.7	17
54	Robust and secure fractional wavelet image watermarking. Signal, Image and Video Processing, 2015, 9, 89-98.	1.7	21

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55	Homomorphic image watermarking with a singular value decomposition algorithm. Information Processing and Management, 2014, 50, 909-923.	5.4	38
56	Efficient implementation of chaotic image encryption in transform domains. Journal of Systems and Software, 2014, 97, 118-127.	3.3	28
57	An Enhanced Hierarchical Key Management Scheme for MANETs. Wireless Personal Communications, 2013, 72, 1783-1800.	1.8	1
58	An enhanced chaotic key-based RC5 block cipher adapted to image encryption. International Journal of Electronics, 2012, 99, 925-943.	0.9	25
59	Encryption-based multilevel model for DBMS. Computers and Security, 2012, 31, 437-446.	4.0	3
60	Digital Image Encryption Based on the RC5 Block Cipher Algorithm. Sensing and Imaging, 2011, 12, 73-94.	1.0	21
61	A chaotic block cipher algorithm for image cryptosystems. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3484-3497.	1.7	95
62	Chaos-based hash function (CBHF) for cryptographic applications. Chaos, Solitons and Fractals, 2009, 42, 767-772.	2.5	50