

Shabir Parah

List of Publications by Year in descending order

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111
papers

2,424
citations

218592

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254106

43
g-index

115
all docs

115
docs citations

115
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure patient data transmission on resource constrained platform. Multimedia Tools and Applications, 2024, 83, 15001-15026.	2.6	14
2	LSB Technique-Based Dual-Image Steganography Using COS Function. Advances in Intelligent Systems and Computing, 2022, , 243-249.	0.5	0
3	Double layer security using crypto-stego techniques: a comprehensive review. Health and Technology, 2022, 12, 9-31.	2.1	9
4	An efficient image encryption scheme for healthcare applications. Multimedia Tools and Applications, 2022, 81, 7253-7270.	2.6	29
5	Hash-based image watermarking technique for tamper detection and localization. Health and Technology, 2022, 12, 385-400.	2.1	8
6	Modeling and Simulation of High-Performance CrTe Intrinsic Half Metal-Based Spin Valve and Spin Diode. ECS Journal of Solid State Science and Technology, 2022, 11, 021002.	0.9	1
7	Adaptive image encryption based on twin chaotic maps. Multimedia Tools and Applications, 2022, 81, 8179-8198.	2.6	17
8	SVIoT: A Secure Visual-IoT Framework for Smart Healthcare. Sensors, 2022, 22, 1773.	2.1	5
9	Self-embedding framework for tamper detection and restoration of color images. Multimedia Tools and Applications, 2022, 81, 18563-18594.	2.6	2
10	Underwater object detection: architectures and algorithms – a comprehensive review. Multimedia Tools and Applications, 2022, 81, 20871-20916.	2.6	16
11	IEFHAC: Image encryption framework based on hessenberg transform and chaotic theory for smart health. Multimedia Tools and Applications, 2022, 81, 18829-18853.	2.6	10
12	Power line noise and baseline wander removal from ECG signals using empirical mode decomposition and lifting wavelet transform technique. Health and Technology, 2022, 12, 745-756.	2.1	12
13	Detection of Breast Cancer Masses in Mammogram Images with Watershed Segmentation and Machine Learning Approach. , 2022, , 35-60.		8
14	Automatic Classification of COVID-19 Infected Patients Using Convolution Neural Network Models. , 2022, , 119-131.		2
15	Adaptive Color Image Encryption Scheme Based on Multiple Distinct Chaotic Maps and DNA Computing. Mathematics, 2022, 10, 2004.	1.1	4
16	Efficient Security and Authentication for Edge-Based Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15652-15662.	5.5	63
17	DWFCAT: Dual Watermarking Framework for Industrial Image Authentication and Tamper Localization. IEEE Transactions on Industrial Informatics, 2021, 17, 5108-5117.	7.2	54
18	INDFORG: Industrial Forgery Detection Using Automatic Rotation Angle Detection and Correction. IEEE Transactions on Industrial Informatics, 2021, 17, 3630-3639.	7.2	16

#	ARTICLE	IF	CITATIONS
19	Utilization of secret sharing technology for secure communication: a state-of-the-art review. Multimedia Tools and Applications, 2021, 80, 517-541.	2.6	10
20	Embedding in medical images with contrast enhancement and tamper detection capability. Multimedia Tools and Applications, 2021, 80, 2009-2030.	2.6	13
21	CrO ₂ Half Metal-Based Magnetic Tunnel Junction and Its Application for Digital Computing. Lecture Notes in Electrical Engineering, 2021, , 563-572.	0.3	0
22	Information Hiding in Color Images Utilizing Multi-bit Substitution Patterns. Algorithms for Intelligent Systems, 2021, , 131-155.	0.5	0
23	Information Embedding Using DNA Sequences for Covert Communication. Algorithms for Intelligent Systems, 2021, , 111-129.	0.5	1
24	Realization of a Robust Watermarking System in Spatial Domain. Lecture Notes in Electrical Engineering, 2021, , 369-379.	0.3	2
25	Tamper Detection and Self-Recovery of Medical Imagery for Smart Health. Arabian Journal for Science and Engineering, 2021, 46, 3465-3481.	1.7	12
26	Realization of a Sub 10-nm Silicene Magnetic Tunnel Junction and Its Application for Magnetic Random Access Memory and Digital Logic. IEEE Nanotechnology Magazine, 2021, 20, 466-473.	1.1	6
27	Fast Image Encryption Framework for Medical Images. , 2021, , .		6
28	Electrocardiogram (ECG) denoising method utilizing Empirical Mode Decomposition (EMD) with SWT and a Mean based filter. , 2021, , .		6
29	A New Optimization Technique in Massive MIMO and LSAS using Hybrid Architecture and Channel Estimation Algorithm for 5G Networks. Wireless Personal Communications, 2021, 120, 771-785.	1.8	7
30	Reversible Data Hiding for Electronic Patient Information Security for Telemedicine Applications. Arabian Journal for Science and Engineering, 2021, 46, 9129-9144.	1.7	27
31	A Security Management Framework for Big Data in Smart Healthcare. Big Data Research, 2021, 25, 100225.	2.6	35
32	A self-embedding technique for tamper detection and localization of medical images for smart-health. Multimedia Tools and Applications, 2021, 80, 29939-29964.	2.6	22
33	Secure data transmission in IoTs based on CLoG edge detection. Future Generation Computer Systems, 2021, 121, 59-73.	4.9	17
34	Secret Sharing-based Personal Health Records Management for the Internet of Health Things. Sustainable Cities and Society, 2021, 74, 103129.	5.1	29
35	Secure Patient Data Transfer Using Information Embedding and Hyperchaos. Sensors, 2021, 21, 282.	2.1	12
36	Underwater image restoration: A state-of-the-art review. IET Image Processing, 2021, 15, 269-285.	1.4	16

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37	Electronic Health Record hiding in Images for smart city applications: A computationally efficient and reversible information hiding technique for secure communication. Future Generation Computer Systems, 2020, 108, 935-949.	4.9	70
38	An efficient watermarking technique for tamper detection and localization of medical images. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1799-1808.	3.3	75
39	Room temperature high Giant Magnetoresistance graphene based spin valve and its application for realization of logic gates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126171.	0.9	15
40	Reversible data hiding exploiting Huffman encoding with dual images for IoMT based healthcare. Computer Communications, 2020, 163, 134-149.	3.1	46
41	Embedding information reversibly in medical images for e-health. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8389-8398.	0.8	14
42	Efficient image encryption scheme based on generalized logistic map for real time image processing. Journal of Real-Time Image Processing, 2020, 17, 2139-2151.	2.2	49
43	A Novel Laplacian of Gaussian (LoG) and Chaotic Encryption Based Image Steganography Technique. , 2020, , .		7
44	Reversible Embedding in Color Images using Interpolation and Bit Substitution Pattern (BSP). , 2020, , .		0
45	Embedding in medical images: an efficient scheme for authentication and tamper localization. Multimedia Tools and Applications, 2020, 79, 21441-21470.	2.6	29
46	A New Filter Bank Multicarrier (FBMC) Based Cognitive Radio for 5G Networks Using Optimization Techniques. Wireless Personal Communications, 2020, 112, 1265-1280.	1.8	8
47	Realization of a New Robust and Secure Watermarking Technique Using DC Coefficient Modification in Pixel Domain and Chaotic Encryption. , 2020, , 1-21.		0
48	A new method of power efficient speech transmission over 5G networks using new signaling techniques. , 2020, , 139-159.		0
49	A Secure Medical Image Watermarking Technique for E-Healthcare Applications. , 2019, , 119-141.		10
50	Secure data transmission framework for confidentiality in IoTs. Ad Hoc Networks, 2019, 95, 101989.	3.4	46
51	Color Image Authentication using dual watermarks. , 2019, , .		6
52	Realization of a Reversible Data Hiding Framework using Histogram Bin Shifting for Color Images. , 2019, , .		5
53	Dual watermarking framework for privacy protection and content authentication of multimedia. Future Generation Computer Systems, 2019, 94, 654-673.	4.9	140
54	Enhancing speed of SIMON: A light-weight-cryptographic algorithm for IoT applications. Multimedia Tools and Applications, 2019, 78, 32633-32657.	2.6	85

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55	A reversible and secure electronic patient record embedding technique using histogram bin shifting and RC6 encryption. , 2019, , 245-266.		1
56	Secure and reversible data hiding scheme for healthcare system using magic rectangle and a new interpolation technique. , 2019, , 267-309.		5
57	A reversible and secure patient information hiding system for IoT driven e-health. International Journal of Information Management, 2019, 45, 262-275.	10.5	69
58	Impact of antenna and beam-selection-based sectored relay planning for performance evaluation of 4G LTE-A tri-sector cell. Digital Communications and Networks, 2019, 5, 121-130.	2.7	1
59	Realization of an Adaptive Data Hiding System for Electronic Patient Record, Embedding in Medical Images. Lecture Notes in Intelligent Transportation and Infrastructure, 2019, , 47-70.	0.3	8
60	Analysis of Streaming Data Using Big Data and Hybrid Machine Learning Approach. , 2019, , 629-643.		9
61	Role of Multimedia in Medicine: Study of Visual Prosthesis. , 2019, , 559-576.		1
62	Resource Allocation in Co-Operative Relay Networks for IOT Driven Broadband Multimedia Services. , 2019, , 703-721.		0
63	A new method of speech transmission over space time block coded co-operative MIMO OFDM networks using time and space diversity. International Journal of Speech Technology, 2018, 21, 65-77.	1.4	5
64	A new secure and robust watermarking technique based on logistic map and modification of DC coefficient. Nonlinear Dynamics, 2018, 93, 1933-1951.	2.7	41
65	Secure and Robust Digital Image Watermarking Using Coefficient Differencing and Chaotic Encryption. IEEE Access, 2018, 6, 19876-19897.	2.6	135
66	Information hiding in edges: A high capacity information hiding technique using hybrid edge detection. Multimedia Tools and Applications, 2018, 77, 185-207.	2.6	60
67	Utilizing neighborhood coefficient correlation: a new image watermarking technique robust to singular and hybrid attacks. Multidimensional Systems and Signal Processing, 2018, 29, 1095-1117.	1.7	27
68	High Capacity and Secure Electronic Patient Record (EPR) Embedding in Color Images for IoT Driven Healthcare Systems. Studies in Big Data, 2018, , 409-437.	0.8	18
69	Performance Evaluation and Future Scope of Image Secret Sharing Schemes. , 2018, , .		0
70	A High Capacity Framework for Reversible Information Embedding in Medical Images. , 2018, , .		0
71	Secure Framework for Patient Data Transmission on Mobile-Cloud Platform. , 2018, , .		0
72	Analytical analysis and effect of scrambling on inter-relay interference in a tri-sector cell LTE-A network. International Journal of Wireless and Mobile Computing, 2018, 14, 149.	0.1	1

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73	Blind digital speech watermarking using filter bank multicarrier modulation for 5G and IoT driven networks. International Journal of Speech Technology, 2018, 21, 715-722.	1.4	6
74	Information hiding in medical images: a robust medical image watermarking system for E-healthcare. Multimedia Tools and Applications, 2017, 76, 10599-10633.	2.6	137
75	Hiding in encrypted images: a three tier security data hiding technique. Multidimensional Systems and Signal Processing, 2017, 28, 549-572.	1.7	33
76	Hiding clinical information in medical images: A new high capacity and reversible data hiding technique. Journal of Biomedical Informatics, 2017, 66, 214-230.	2.5	158
77	A New Reversible and high capacity data hiding technique for E-healthcare applications. Multimedia Tools and Applications, 2017, 76, 3943-3975.	2.6	57
78	Towards Green Capacity in Massive MIMO Based 4G-LTE a Cell Using Beam-Forming Vector Based Sectored Relay Planning. Wireless Personal Communications, 2017, 97, 5767-5781.	1.8	5
79	Compression and denoising of speech transmission using Daubechies wavelet family. International Journal of Wireless and Mobile Computing, 2017, 12, 313.	0.1	5
80	Hiding Electronic Patient Record (EPR) in medical images: A high capacity and computationally efficient technique for e-healthcare applications. Journal of Biomedical Informatics, 2017, 73, 125-136.	2.5	59
81	A Robust and Computationally Efficient Digital Watermarking Technique Using Inter Block Pixel Differencing. Intelligent Systems Reference Library, 2017, , 223-252.	1.0	14
82	Pixel Repetition Technique: A High Capacity and Reversible Data Hiding Method for E-Healthcare Applications. Studies in Computational Intelligence, 2017, , 371-398.	0.7	8
83	A New Method of Haar and Db10 Based Secured Compressed Data Transmission Over GSM Voice Channel. Studies in Computational Intelligence, 2017, , 401-426.	0.7	4
84	StegNmark: A Joint Stego-Watermark Approach for Early Tamper Detection. Studies in Computational Intelligence, 2017, , 427-452.	0.7	5
85	Realisation and robustness evaluation of a blind spatial domain watermarking technique. International Journal of Electronics, 2017, 104, 659-672.	0.9	27
86	A transform domain based robust color image watermarking scheme for single and dual attacks. , 2017, , .		7
87	A new reversible stenographic technique based on pixel repetition method (PRM) and special data shifting (SDS). , 2017, , .		3
88	High capacity reversible stenographic technique based on image resizing and pixel permutation. , 2017, , .		12
89	Energy efficient image transmission through orthogonal frequency division multiplexing (OFDM) based multiple input multiple output (MIMO) systems. , 2017, , .		2
90	Chaos based novel cryptographic technique based on a new logistic map. International Journal of Social Computing and Cyber-Physical Systems, 2017, 2, 73.	0.1	3

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91	Realization of a New Robust and Secure Watermarking Technique Using DC Coefficient Modification in Pixel Domain and Chaotic Encryption. Journal of Global Information Management, 2017, 25, 80-102.	1.4	30
92	On exploiting MIMO technology for achieving maximum detection probability and mitigating interference in tri-sectored co-operative cognitive radio networks. International Journal of Wireless and Mobile Computing, 2017, 13, 200.	0.1	1
93	A new multiple input multiple output multi-carrier direct sequence code division multiple access system using T A— T spreading with link budget analysis. International Journal of Wireless and Mobile Computing, 2016, 10, 148.	0.1	1
94	Robust and blind watermarking technique in DCT domain using inter-block coefficient differencing. , 2016, 53, 11-24.		181
95	Novel hybrid technique for PAPR reduction in OVSF based OSTBC OFDM system. , 2015, , .		0
96	A high capacity data hiding scheme based on edge detection and even-odd plane separation. , 2015, , .		11
97	Oversampled Sigma Delta ADC decimation filter: Design techniques, challenges, tradeoffs and optimization. , 2015, , .		7
98	Bit Error Rate (BER) improvement of Multiple Input Multiple Output Orthogonal Frequency Division Multiplexing (MIMO-OFDM) system using bit level scrambling. , 2015, , .		2
99	Robustness Analysis of a Digital Image Watermarking Technique for Various Frequency Bands in DCT Domain. , 2015, , .		13
100	On the realization of robust watermarking system for medical images. , 2015, , .		19
101	On the design and performance evaluation of compressed speech transmission over wireless channel. , 2015, , .		2
102	Design and realisation of Multirate signal processor for enhancement performance of Digital receivers. , 2015, , .		0
103	A secure and robust information hiding technique for covert communication. International Journal of Electronics, 2015, 102, 1253-1266.	0.9	29
104	Fragility evaluation of intermediate significant bit embedding (ISBE) based digital image watermarking scheme for content authentication. , 2014, , .		8
105	Data hiding in scrambled images: A new double layer security data hiding technique. Computers and Electrical Engineering, 2014, 40, 70-82.	3.0	71
106	PAPR reduction in MIMO-OFDM system using combination of OSTBC Encoder and Spreading code sequence. , 2013, , .		2
107	On the realization of a spatial domain data hiding technique based on intermediate significant bit plane embedding (ISBPE) and Post Embedding Pixel Adjustment (PEPA). , 2013, , .		4
108	A pattern recognition approach based on feature-wise comparison. , 2012, , .		0

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109	Orthogonal Variable Spreading Factor (OVSF) based image transmission using Multiple Input Multiple Output Orthogonal Frequency Division Multiplexing (MIMO-OFDM) system. , 2012, , .		1
110	Data hiding in intermediate significant bit planes, a high capacity blind steganographic technique. , 2012, , .		14
111	On the Design and Realization of Non-Synchronous Frequency Hopping Spread Spectrum for Securing Data over Mobile and Computer Networks. Communications in Computer and Information Science, 2012, , 227-236.	0.4	0