Adnan Gutub

List of Publications by Year
in descending order

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94 papers	2,499 citations	236833 25 h-index	302012 39 g-index
101 all docs	101 docs citations	101 times ranked	716 citing authors

#	Article	IF	Citations
1	Boosting image watermarking authenticity spreading secrecy from countingâ€based secretâ€sharing. CAAI Transactions on Intelligence Technology, 2023, 8, 440-452.	3.4	52
2	Analysis of community questionâ€answering issues via machine learning and deep learning: Stateâ€ofâ€theâ€art review. CAAI Transactions on Intelligence Technology, 2023, 8, 95-117.	3.4	38
3	Novel embedding secrecy within images utilizing an improved interpolation-based reversible data hiding scheme. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 2017-2030.	2.7	26
4	Inclusion of Unicode Standard seamless characters to expand Arabic text steganography for secure individual uses. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 1343-1356.	2.7	15
5	Improving data hiding within colour images using hue component of HSV colour space. CAAI Transactions on Intelligence Technology, 2022, 7, 56-68.	3.4	52
6	Progress of IoT Research Technologies and Applications Serving Hajj and Umrah. Arabian Journal for Science and Engineering, 2022, 47, 1253-1273.	1.7	37
7	Securing matrix counting-based secret-sharing involving crypto steganography. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 6909-6924.	2.7	25
8	Increasing Participants Using Counting-Based Secret Sharing via Involving Matrices and Practical Steganography. Arabian Journal for Science and Engineering, 2022, 47, 2455-2477.	1.7	23
9	Novel Arabic e-Text Watermarking Supporting Partial Dishonesty Based on Counting-Based Secret Sharing. Arabian Journal for Science and Engineering, 2022, 47, 2585-2609.	1.7	17
10	Efficient computation of Hash Hirschberg protein alignment utilizing hyper threading multiâ€core sharing technology. CAAI Transactions on Intelligence Technology, 2022, 7, 278-291.	3.4	13
11	AI-Based Mobile Edge Computing for IoT: Applications, Challenges, and Future Scope. Arabian Journal for Science and Engineering, 2022, 47, 9801-9831.	1.7	42
12	Adopting counting-based secret-sharing for e-Video Watermarking allowing Fractional Invalidation. Multimedia Tools and Applications, 2022, 81, 9527-9547.	2.6	16
13	Regulating watermarking semi-authentication of multimedia audio via counting-based secret sharing. Pamukkale University Journal of Engineering Sciences, 2022, 28, 324-332.	0.2	17
14	Improving grayscale steganography to protect personal information disclosure within hotel services. Multimedia Tools and Applications, 2022, 81, 30663-30683.	2.6	24
15	CSNTSteg: Color Spacing Normalization Text Steganography Model to Improve Capacity and Invisibility of Hidden Data. IEEE Access, 2022, 10, 65439-65458.	2.6	10
16	Enhancing Arabic text steganography for personal usage utilizing pseudo-spaces. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 963-974.	2.7	24
17	Refining Arabic text stego-techniques for shares memorization of counting-based secret sharing. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 1108-1120.	2.7	23
18	Refining image steganography distribution for higher security multimedia counting-based secret-sharing. Multimedia Tools and Applications, 2021, 80, 1143-1173.	2.6	31

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19	Efficient security and capacity techniques for Arabic text steganography via engaging Unicode standard encoding. Multimedia Tools and Applications, 2021, 80, 1403-1431.	2.6	22
20	Simulating Light-Weight-Cryptography Implementation for IoT Healthcare Data Security Applications. , 2021, , 1468-1483.		0
21	A survey on predictions of cyber-attacks utilizing real-time twitter tracing recognition. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10209-10221.	3.3	23
22	Efficient Image Reversible Data Hiding Technique Based on Interpolation Optimization. Arabian Journal for Science and Engineering, 2021, 46, 8441-8456.	1.7	43
23	Involving Spaces of Unicode Standard Within Irreversible Arabic Text Steganography for Practical Implementations. Arabian Journal for Science and Engineering, 2021, 46, 8869-8885.	1.7	8
24	Remodeling randomness prioritization to boost-up security of RGB image encryption. Multimedia Tools and Applications, 2021, 80, 28521-28581.	2.6	24
25	Varying PRNG to improve image cryptography implementation. Journal of Engineering Research, 2021, 9, .	0.4	18
26	Securing Data via Cryptography and Arabic Text Steganography. SN Computer Science, 2021, 2, 1.	2.3	16
27	Watermarking Images via Counting-Based Secret Sharing for Lightweight Semi-Complete Authentication. International Journal of Information Security and Privacy, 2021, 16, 1-18.	0.6	21
28	Integrity verification for digital Holy Quran verses using cryptographic hash function and compression. Journal of King Saud University - Computer and Information Sciences, 2020, 32, 24-34.	2.7	25
29	Utilizing pseudo-spaces to improve Arabic text steganography for multimedia data communications. Multimedia Tools and Applications, 2020, 79, 19-67.	2.6	26
30	Hiding Shares of Counting-Based Secret Sharing via Arabic Text Steganography for Personal Usage. Arabian Journal for Science and Engineering, 2020, 45, 2433-2458.	1.7	38
31	Hiding shares by multimedia image steganography for optimized counting-based secret sharing. Multimedia Tools and Applications, 2020, 79, 7951-7985.	2.6	64
32	Motivating teachers to use information technology in educational process within Saudi Arabia. International Journal of Technology Enhanced Learning, 2020, 12, 200.	0.4	12
33	Functionality-Improved Arabic Text Steganography Based on Unicode Features. Arabian Journal for Science and Engineering, 2020, 45, 11037-11050.	1.7	6
34	Efficient reversible data hiding multimedia technique based on smart image interpolation. Multimedia Tools and Applications, 2020, 79, 30087-30109.	2.6	51
35	Trustworthy Target Key Alteration Helping Counting-Based Secret Sharing Applicability. Arabian Journal for Science and Engineering, 2020, 45, 3403-3423.	1.7	25
36	Efficient Implementation of Multi-image Secret Hiding Based on LSB and DWT Steganography Comparisons. Arabian Journal for Science and Engineering, 2020, 45, 2631-2644.	1.7	56

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37	Smart expansion of target key for more handlers to access multimedia counting-based secret sharing. Multimedia Tools and Applications, 2020, 79, 17373-17401.	2.6	20
38	Motivating teachers to use information technology in educational process within Saudi Arabia. International Journal of Technology Enhanced Learning, 2020, 12, 200.	0.4	9
39	Integrating Light-Weight Cryptography with Diacritics Arabic Text Steganography Improved for Practical Security Applications. Journal of Biochemical and Clinical Genetics, 2020, 3, 13-30.	0.1	5
40	Secure Shares Generation via M-Blocks Partitioning for Counting-Based Secret Sharing. Journal of Engineering Research, 2020, 8, 91-117.	0.4	24
41	Combining RSA and audio steganography on personal computers for enhancing security. SN Applied Sciences, 2019, 1, 1.	1.5	38
42	Image Based Steganography to Facilitate Improving Counting-Based Secret Sharing. 3D Research, 2019, 10, 1.	1.8	54
43	Accommodating Secret Sharing Technique for Personal Remembrance via Steganography. , 2019, , .		0
44	Simulating Light-Weight-Cryptography Implementation for IoT Healthcare Data Security Applications. International Journal of E-Health and Medical Communications, 2019, 10, 1-15.	1.4	45
45	Security enhancement of shares generation process for multimedia counting-based secret-sharing technique. Multimedia Tools and Applications, 2019, 78, 16283-16310.	2.6	43
46	Enhancing speed of SIMON: A light-weight-cryptographic algorithm for IoT applications. Multimedia Tools and Applications, 2019, 78, 32633-32657.	2.6	85
47	Counting-based secret sharing technique for multimedia applications. Multimedia Tools and Applications, 2019, 78, 5591-5619.	2.6	129
48	Secure Mobile Computing Authentication Utilizing Hash, Cryptography and Steganography Combination. Journal of Biochemical and Clinical Genetics, 2019, 2, .	0.1	20
49	Trialing a Smart Face-recognition Computer System to Recognize Lost People Visiting the Two Holy Mosques. Arab Journal of Forensic Sciences and Forensic Medicine, 2018, 1, 1120-1133.	0.1	15
50	3-LAYER PC TEXT SECURITYVIA COMBININGCOMPRESSION, AES CRYPTOGRAPHY2LSB IMAGE STEGANOGRAPHY. Journal of Research in Engineering and Applied Sciences, 2018, 03, 118-124.	0.2	22
51	Data Visualization to Explore Improving Decision-Making within Hajj Services. , 2017, 2, 9-18.		24
52	APPLICABLE LIGHT-WEIGHT CRYPTOGRAPHYTOSECURE MEDICAL DATA IN IOT SYSTEMS. Journal of Research in Engineering and Applied Sciences, 2017, 02, 50-58.	0.2	19
53	Velocity-based modeling of physical interactions in dense crowds. Visual Computer, 2015, 31, 541-555.	2.5	57
54	Utilization of Two Diacritics for Arabic Text Steganography to Enhance Performance. Lecture Notes on Information Theory, 2015, 3, .	0.1	20

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55	Microscopic modeling of largeâ€scale pedestrianâ€“vehicle conflicts in the city of Madinah, Saudi Arabia. Journal of Advanced Transportation, 2014, 48, 507-525.	0.9	27
56	Information Gathering Schemes for Collaborative Sensor Devices. Procedia Computer Science, 2014, 32, 1141-1146.	1.2	24
57	2-Leyer Security System for Hiding Sensitive Text Data on Personal Computers. Lecture Notes on Information Theory, 2014, , .	0.1	24
58	Right of way. Visual Computer, 2013, 29, 1277-1292.	2.5	47
59	Usersâ€™ Evaluation of Rail Systems in Mass Events. Transportation Research Record, 2013, 2350, 111-118.	1.0	23
60	Data Dissemination and Collection Algorithms for Collaborative Sensor Devices Using Dynamic Cluster Heads. Trends in Applied Sciences Research, 2013, 8, 55-72.	0.4	20
61	Hybrid Crypto Hardware Utilizing Symmetric-Key and Public-Key Cryptosystems. , 2012, , .		20
62	Rapid transit service in the unique context of Holy Makkah: assessing the first year of operation during the 2010 pilgrimage season. WIT Transactions on the Built Environment, 2012, , .	0.0	8
63	Efficient FPGA Implementation of a Programmable Architecture for GF(p) Elliptic Curve Crypto Computations. Journal of Signal Processing Systems, 2010, 59, 233-244.	1.4	21
64	e-Text Watermarking: Utilizing 'Kashida' Extensions in Arabic Language Electronic Writing. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	32
65	Pixel Indicator Technique for RGB Image Steganography. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	94
66	Efficient Modular Squaring Algorithms for Hardware Implementation in GF(p). Information Security Journal, 2009, 18, 131-138.	1.3	0
67	Exploit Kashida Adding to Arabic e-Text for High Capacity Steganography. , 2009, , .		16
68	Improving security and capacity for Arabic text steganography using ‘Kashida’ extensions. , 2009, , .		36
69	Triple-A: Secure RGB image steganography based on randomization. , 2009, , .		50
70	RGB Intensity Based Variable-Bits Image Steganography. , 2008, , .		64
71	High speed hardware architecture to compute galois fields GF(p) montgomery inversion with scalability features. IET Computers and Digital Techniques, 2007, 1, 389.	0.9	10
72	Arabic Diacritics based Steganography. , 2007, , .		57

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73	Parallelizing GF(P) elliptic curve cryptography computations for security and speed. , 2007, , .		2
74	Pipelining GF(P) Elliptic Curve Cryptography Computation. , 2006, , .		2
75	High Performance Elliptic Curve GF(2m) Crypto-processor. Information Technology Journal, 2006, 5, 742-748.	0.3	9
76	Highly Efficient Elliptic Curve Crypto-Processor with Parallel GF(2m) Field Multipliers. Journal of Computer Science, 2006, 2, 395-400.	0.5	2
77	Efficient unified Montgomery inversion with multibit shifting. IEE Proceedings: Computers and Digital Techniques, 2005, 152, 489.	1.6	21
78	Efficient scalable VLSI architecture for Montgomery inversion in (p). The Integration VLSI Journal, 2004, 37, 103-120.	1.3	27
79	High performance elliptic curve GF(2/sup k/) cryptoprocessor architecture for multimedia. , 2003, , .		3
80	Scalable and Unified Hardware to Compute Montgomery Inverse in GF(p) and GF(2n). Lecture Notes in Computer Science, 2003, , 484-499.	1.0	26
81	Power-time flexible architecture for GF(2k) elliptic curve cryptosystem computation. , 2003, , .		3
82	An expandable Montgomery modular multiplication processor. , 2000, , .		4
83	Scalable VLSI architecture for GF(p) Montgomery modular inverse computation. , 0, , .		12
84	VLSI core architecture for GF(p) elliptic curve crypto processor. , 0, , .		2
85	High radix parallel architecture for GF(p) elliptic curve processor. , 0, , .		9
86	Fast elliptic curve cryptographic processor architecture based on three parallel GF(2/sup k/) bit level pipelined digit serial multipliers. , 0, , .		1
87	GF(2 K) elliptic curve cryptographic processor architecture based n bit level pipelined digit serial multiplication. , 0, , .		1
88	Efficient scalable hardware architecture for Montgomery inverse computation in GF(p). , 0, , .		4
89	Personal Privacy Evaluation of Smart Devices Applications Serving Hajj and Umrah Rituals. Journal of Engineering Research, 0, , .	0.4	21
90	Merging Two Steganography Techniques Adjusted to Improve Arabic Text Data Security. Journal of Computer Science & Computational Mathematics, 0, , 59-65.	0.2	24

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91	Compression Multi-Level Crypto Stego Security of Texts Utilizing Colored Email Forwarding. Journal of Computer Science & Computational Mathematics, 0, , 33-42.	0.2	24
92	Reliable Secret Key Generation For Counting-Based Secret Sharing. Journal of Computer Science & Computational Mathematics, 0, , 87-101.	0.2	23
93	Enhancing PC Data Security via Combining RSA Cryptography and Video Based Steganography. Journal of Biochemical and Clinical Genetics, 0, , .	0.1	30
94	Engineering Graphical Captcha and AES Crypto Hash Functions for Secure Online Authentication. Journal of Engineering Research, 0, , .	0.4	28