

# Adnan Gutub

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Counting-based secret sharing technique for multimedia applications. Multimedia Tools and Applications, 2019, 78, 5591-5619.	2.6	129
2	Pixel Indicator Technique for RGB Image Steganography. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	94
3	Enhancing speed of SIMON: A light-weight-cryptographic algorithm for IoT applications. Multimedia Tools and Applications, 2019, 78, 32633-32657.	2.6	85
4	RGB Intensity Based Variable-Bits Image Steganography. , 2008, , .		64
5	Hiding shares by multimedia image steganography for optimized counting-based secret sharing. Multimedia Tools and Applications, 2020, 79, 7951-7985.	2.6	64
6	Arabic Diacritics based Steganography. , 2007, , .		57
7	Velocity-based modeling of physical interactions in dense crowds. Visual Computer, 2015, 31, 541-555.	2.5	57
8	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
9	Image Based Steganography to Facilitate Improving Counting-Based Secret Sharing. 3D Research, 2019, 10, 1.	1.8	54
10	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
11	Boosting image watermarking authenticity spreading secrecy from counting-based secret-sharing. CAAI Transactions on Intelligence Technology, 2023, 8, 440-452.	3.4	52
12	Efficient reversible data hiding multimedia technique based on smart image interpolation. Multimedia Tools and Applications, 2020, 79, 30087-30109.	2.6	51
13	Triple-A: Secure RGB image steganography based on randomization. , 2009, , .		50
14	Right of way. Visual Computer, 2013, 29, 1277-1292.	2.5	47
15	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
16	Security enhancement of shares generation process for multimedia counting-based secret-sharing technique. Multimedia Tools and Applications, 2019, 78, 16283-16310.	2.6	43
17	Efficient Image Reversible Data Hiding Technique Based on Interpolation Optimization. Arabian Journal for Science and Engineering, 2021, 46, 8441-8456.	1.7	43
18	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

#	ARTICLE	IF	CITATIONS
19	Combining RSA and audio steganography on personal computers for enhancing security. SN Applied Sciences, 2019, 1, 1.	1.5	38
20	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
21	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
22	Progress of IoT Research Technologies and Applications Serving Hajj and Umrah. Arabian Journal for Science and Engineering, 2022, 47, 1253-1273.	1.7	37
23	Improving security and capacity for Arabic text steganography using &#x2018;Kashida&#x2019; extensions. , 2009, , .		36
24	e-Text Watermarking: Utilizing 'Kashida' Extensions in Arabic Language Electronic Writing. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	32
25	Refining image steganography distribution for higher security multimedia counting-based secret-sharing. Multimedia Tools and Applications, 2021, 80, 1143-1173.	2.6	31
26	Enhancing PC Data Security via Combining RSA Cryptography and Video Based Steganography. Journal of Biochemical and Clinical Genetics, 0, , .	0.1	30
27	Engineering Graphical Captcha and AES Crypto Hash Functions for Secure Online Authentication. Journal of Engineering Research, 0, , .	0.4	28
28	Efficient scalable VLSI architecture for Montgomery inversion in (p). The Integration VLSI Journal, 2004, 37, 103-120.	1.3	27
29	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
30	Utilizing pseudo-spaces to improve Arabic text steganography for multimedia data communications. Multimedia Tools and Applications, 2020, 79, 19-67.	2.6	26
31	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
32	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
33	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
34	Trustworthy Target Key Alteration Helping Counting-Based Secret Sharing Applicability. Arabian Journal for Science and Engineering, 2020, 45, 3403-3423.	1.7	25
35	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
36	Information Gathering Schemes for Collaborative Sensor Devices. Procedia Computer Science, 2014, 32, 1141-1146.	1.2	24

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37	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
38	Remodeling randomness prioritization to boost-up security of RGB image encryption. Multimedia Tools and Applications, 2021, 80, 28521-28581.	2.6	24
39	2-Layer Security System for Hiding Sensitive Text Data on Personal Computers. Lecture Notes on Information Theory, 2014, , .	0.1	24
40	Data Visualization to Explore Improving Decision-Making within Hajj Services. , 2017, 2, 9-18.		24
41	Merging Two Steganography Techniques Adjusted to Improve Arabic Text Data Security. Journal of Computer Science & Computational Mathematics, 0, , 59-65.	0.2	24
42	Compression Multi-Level Crypto Stego Security of Texts Utilizing Colored Email Forwarding. Journal of Computer Science & Computational Mathematics, 0, , 33-42.	0.2	24
43	Secure Shares Generation via M-Blocks Partitioning for Counting-Based Secret Sharing. Journal of Engineering Research, 2020, 8, 91-117.	0.4	24
44	Improving grayscale steganography to protect personal information disclosure within hotel services. Multimedia Tools and Applications, 2022, 81, 30663-30683.	2.6	24
45	Users' Evaluation of Rail Systems in Mass Events. Transportation Research Record, 2013, 2350, 111-118.	1.0	23
46	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
47	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
48	Reliable Secret Key Generation For Counting-Based Secret Sharing. Journal of Computer Science & Computational Mathematics, 0, , 87-101.	0.2	23
49	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
50	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
51	3-LAYER PC TEXT SECURITY VIA COMBINING COMPRESSION, AES CRYPTOGRAPHY 2LSB IMAGE STEGANOGRAPHY. Journal of Research in Engineering and Applied Sciences, 2018, 03, 118-124.	0.2	22
52	Efficient unified Montgomery inversion with multibit shifting. IEE Proceedings: Computers and Digital Techniques, 2005, 152, 489.	1.6	21
53	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
54	Personal Privacy Evaluation of Smart Devices Applications Serving Hajj and Umrah Rituals. Journal of Engineering Research, 0, , .	0.4	21

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55	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
56	Hybrid Crypto Hardware Utilizing Symmetric-Key and Public-Key Cryptosystems. , 2012, , .		20
57	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
58	Utilization of Two Diacritics for Arabic Text Steganography to Enhance Performance. Lecture Notes on Information Theory, 2015, 3, .	0.1	20
59	Secure Mobile Computing Authentication Utilizing Hash, Cryptography and Steganography Combination. Journal of Biochemical and Clinical Genetics, 2019, 2, .	0.1	20
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	APPLICABLE LIGHT-WEIGHT CRYPTOGRAPHY TO SECURE MEDICAL DATA IN IOT SYSTEMS. Journal of Research in Engineering and Applied Sciences, 2017, 02, 50-58.	0.2	19
62	Varying PRNG to improve image cryptography implementation. Journal of Engineering Research, 2021, 9, .	0.4	18
63	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
64	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
65	Exploit Kashida Adding to Arabic e-Text for High Capacity Steganography. , 2009, , .		16
66	Securing Data via Cryptography and Arabic Text Steganography. SN Computer Science, 2021, 2, 1.	2.3	16
67	Adopting counting-based secret-sharing for e-Video Watermarking allowing Fractional Invalidation. Multimedia Tools and Applications, 2022, 81, 9527-9547.	2.6	16
68	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
69	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
70	Efficient computation of Hash Hirschberg protein alignment utilizing hyper threading multi-core sharing technology. CAAI Transactions on Intelligence Technology, 2022, 7, 278-291.	3.4	13
71	Scalable VLSI architecture for GF(p) Montgomery modular inverse computation. , 0, , .		12
72	Motivating teachers to use information technology in educational process within Saudi Arabia. International Journal of Technology Enhanced Learning, 2020, 12, 200.	0.4	12

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73	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
74	CSNTSteg: Color Spacing Normalization Text Steganography Model to Improve Capacity and Invisibility of Hidden Data. IEEE Access, 2022, 10, 65439-65458.	2.6	10
75	High radix parallel architecture for GF(p) elliptic curve processor. , 0, , .		9
76	Motivating teachers to use information technology in educational process within Saudi Arabia. International Journal of Technology Enhanced Learning, 2020, 12, 200.	0.4	9
77	High Performance Elliptic Curve GF(2 <sup>m</sup> ) Crypto-processor. Information Technology Journal, 2006, 5, 742-748.	0.3	9
78	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
79	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
80	Functionality-Improved Arabic Text Steganography Based on Unicode Features. Arabian Journal for Science and Engineering, 2020, 45, 11037-11050.	1.7	6
81	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
82	An expandable Montgomery modular multiplication processor. , 2000, , .		4
83	Efficient scalable hardware architecture for Montgomery inverse computation in GF(p). , 0, , .		4
84	High performance elliptic curve GF(2 <sup>sup k</sup> ) cryptoprocessor architecture for multimedia. , 2003, , .		3
85	Power-time flexible architecture for GF(2 <sup>k</sup> ) elliptic curve cryptosystem computation. , 2003, , .		3
86	VLSI core architecture for GF(p) elliptic curve crypto processor. , 0, , .		2
87	Pipelining GF(P) Elliptic Curve Cryptography Computation. , 2006, , .		2
88	Parallelizing GF(P) elliptic curve cryptography computations for security and speed. , 2007, , .		2
89	Highly Efficient Elliptic Curve Crypto-Processor with Parallel GF(2 <sup>m</sup> ) Field Multipliers. Journal of Computer Science, 2006, 2, 395-400.	0.5	2
90	Fast elliptic curve cryptographic processor architecture based on three parallel GF(2 <sup>sup k</sup> ) bit level pipelined digit serial multipliers. , 0, , .		1

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91	GF(2 <sup>K</sup> ) elliptic curve cryptographic processor architecture based n bit level pipelined digit serial multiplication. , 0, , .		1
92	Efficient Modular Squaring Algorithms for Hardware Implementation in GF( <i>p</i> ). Information Security Journal, 2009, 18, 131-138.	1.3	0
93	Accommodating Secret Sharing Technique for Personal Remembrance via Steganography. , 2019, , .		0
94	Simulating Light-Weight-Cryptography Implementation for IoT Healthcare Data Security Applications. , 2021, , 1468-1483.		0