

Alfredo De Santis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10892918/publications.pdf>

Version: 2024-02-01

105
papers

4,500
citations

147566

31
h-index

110170

64
g-index

106
all docs

106
docs citations

106
times ranked

2076
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual Cryptography for General Access Structures. Information and Computation, 1996, 129, 86-106.	0.5	524
2	Extended capabilities for visual cryptography. Theoretical Computer Science, 2001, 250, 143-161.	0.5	359
3	Network anomaly detection with the restricted Boltzmann machine. Neurocomputing, 2013, 122, 13-23.	3.5	295
4	Noninteractive Zero-Knowledge. SIAM Journal on Computing, 1991, 20, 1084-1118.	0.8	276
5	On the Contrast in Visual Cryptography Schemes. Journal of Cryptology, 1999, 12, 261-289.	2.1	207
6	Visual cryptography for grey level images. Information Processing Letters, 2000, 75, 255-259.	0.4	174
7	Perfectly Secure Key Distribution for Dynamic Conferences. Information and Computation, 1998, 146, 1-23.	0.5	171
8	Robust Non-interactive Zero Knowledge. Lecture Notes in Computer Science, 2001, , 566-598.	1.0	156
9	Title is missing!. Designs, Codes, and Cryptography, 2001, 24, 255-278.	1.0	118
10	Ideal contrast visual cryptography schemes with reversing. Information Processing Letters, 2005, 93, 199-206.	0.4	98
11	Cloud-based adaptive compression and secure management services for 3D healthcare data. Future Generation Computer Systems, 2015, 43-44, 120-134.	4.9	96
12	Design of Self-Healing Key Distribution Schemes. Designs, Codes, and Cryptography, 2004, 32, 15-44.	1.0	90
13	Tight Bounds on the Information Rate of Secret Sharing Schemes. Designs, Codes, and Cryptography, 1997, 11, 107-110.	1.0	87
14	Optimal Colored Threshold Visual Cryptography Schemes. Designs, Codes, and Cryptography, 2005, 35, 311-335.	1.0	80
15	Non-Interactive Zero-Knowledge Proof Systems. Lecture Notes in Computer Science, 1988, , 52-72.	1.0	70
16	Cryptographic Hierarchical Access Control for Dynamic Structures. IEEE Transactions on Information Forensics and Security, 2016, 11, 2349-2364.	4.5	70
17	On the Relation of Random Grid and Deterministic Visual Cryptography. IEEE Transactions on Information Forensics and Security, 2014, 9, 653-665.	4.5	65
18	Visual cryptography schemes with optimal pixel expansion. Theoretical Computer Science, 2006, 369, 169-182.	0.5	61

#	ARTICLE	IF	CITATIONS
19	Visual cryptography schemes with perfect reconstruction of black pixels. Computers and Graphics, 1998, 22, 449-455.	1.4	56
20	Provably-secure time-bound hierarchical key assignment schemes. , 2006, , .		54
21	Provably-Secure Time-Bound Hierarchical Key Assignment Schemes. Journal of Cryptology, 2012, 25, 243-270.	2.1	47
22	Modeling energy-efficient secure communications in multi-mode wireless mobile devices. Journal of Computer and System Sciences, 2015, 81, 1464-1478.	0.9	47
23	On the information rate of secret sharing schemes. Theoretical Computer Science, 1996, 154, 283-306.	0.5	43
24	Hierarchical and Shared Access Control. IEEE Transactions on Information Forensics and Security, 2016, 11, 850-865.	4.5	43
25	Cryptographic key assignment schemes for any access control policy. Information Processing Letters, 2004, 92, 199-205.	0.4	40
26	A triadic closure and homophily-based recommendation system for online social networks. World Wide Web, 2015, 18, 1579-1601.	2.7	39
27	One-pass lossless data hiding and compression of remote sensing data. Future Generation Computer Systems, 2019, 90, 222-239.	4.9	37
28	Randomness in secret sharing and visual cryptography schemes. Theoretical Computer Science, 2004, 314, 351-374.	0.5	34
29	Security and privacy issues in the Portable Document Format. Journal of Systems and Software, 2010, 83, 1813-1822.	3.3	34
30	An asynchronous covert channel using spam. Computers and Mathematics With Applications, 2012, 63, 437-447.	1.4	34
31	Randomness in Distribution Protocols. Information and Computation, 1996, 131, 111-139.	0.5	33
32	On the protection of consumer genomic data in the Internet of Living Things. Computers and Security, 2018, 74, 384-400.	4.0	32
33	On secret sharing schemes. Information Processing Letters, 1998, 65, 25-32.	0.4	31
34	Fully dynamic secret sharing schemes. Theoretical Computer Science, 1996, 165, 407-440.	0.5	30
35	Supporting dynamic updates in storage clouds with the Akl-Taylor scheme. Information Sciences, 2017, 387, 56-74.	4.0	29
36	A botnet-based command and control approach relying on swarm intelligence. Journal of Network and Computer Applications, 2014, 38, 22-33.	5.8	28

#	ARTICLE	IF	CITATIONS
37	Secure group communication schemes for dynamic heterogeneous distributed computing. Future Generation Computer Systems, 2017, 74, 313-324.	4.9	28
38	The knowledge complexity of quadratic residuosity languages. Theoretical Computer Science, 1994, 132, 291-317.	0.5	27
39	Key Indistinguishability versus Strong Key Indistinguishability for Hierarchical Key Assignment Schemes. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 451-460.	3.7	27
40	Neural Network Techniques for Proactive Password Checking. IEEE Transactions on Dependable and Secure Computing, 2006, 3, 327-339.	3.7	26
41	FeelTrust: Providing Trustworthy Communications in Ubiquitous Mobile Environment. , 2013, , .		26
42	Integrity for an Event Notification Within the Industrial Internet of Things by Using Group Signatures. IEEE Transactions on Industrial Informatics, 2018, 14, 3669-3678.	7.2	26
43	Engineering a secure mobile messaging framework. Computers and Security, 2012, 31, 771-781.	4.0	25
44	Color visual cryptography schemes for black and white secret images. Theoretical Computer Science, 2013, 510, 62-86.	0.5	25
45	Unconditionally secure key assignment schemes. Discrete Applied Mathematics, 2006, 154, 234-252.	0.5	24
46	New constructions for provably-secure time-bound hierarchical key assignment schemes. Theoretical Computer Science, 2008, 407, 213-230.	0.5	23
47	Efficient provably-secure hierarchical key assignment schemes. Theoretical Computer Science, 2011, 412, 5684-5699.	0.5	23
48	On Secure Data Management in Health-Care Environment. , 2013, , .		23
49	An Energy-Aware Framework for Reliable and Secure End-to-End Ubiquitous Data Communications. , 2013, , .		22
50	Necessary and Sufficient Assumptions for Non-interactive Zero-Knowledge Proofs of Knowledge for All NP Relations. Lecture Notes in Computer Science, 2000, , 451-462.	1.0	22
51	Lower bounds for robust secret sharing schemes. Information Processing Letters, 1997, 63, 317-321.	0.4	21
52	Variations on a theme by Akl and Taylor: Security and tradeoffs. Theoretical Computer Science, 2010, 411, 213-227.	0.5	21
53	On-Board Format-Independent Security of Functional Magnetic Resonance Images. Transactions on Embedded Computing Systems, 2017, 16, 1-15.	2.1	21
54	Definitions and Bounds for Self-Healing Key Distribution Schemes. Lecture Notes in Computer Science, 2004, , 234-245.	1.0	20

#	ARTICLE	IF	CITATIONS
55	Hypocrates: a new proactive password checker. <i>Journal of Systems and Software</i> , 2004, 71, 163-175.	3.3	17
56	New constructions for provably-secure time-bound hierarchical key assignment schemes. , 2007, , .		17
57	E-mail-Based Covert Channels for Asynchronous Message Steganography. , 2011, , .		17
58	Efficient Provably-Secure Hierarchical Key Assignment Schemes. <i>Lecture Notes in Computer Science</i> , 2007, , 371-382.	1.0	17
59	Hierarchical and Shared Key Assignment. , 2014, , .		16
60	A Cluster-Based Data-Centric Model for Network-Aware Task Scheduling in Distributed Systems. <i>International Journal of Parallel Programming</i> , 2014, 42, 755-775.	1.1	15
61	On Self-Healing Key Distribution Schemes. <i>IEEE Transactions on Information Theory</i> , 2006, 52, 5455-5467.	1.5	14
62	On a Fallacious Bound for Authentication Codes. <i>Journal of Cryptology</i> , 1999, 12, 155-159.	2.1	13
63	Managing key hierarchies for access control enforcement: Heuristic approaches. <i>Computers and Security</i> , 2010, 29, 533-547.	4.0	13
64	Exploiting Battery-Drain Vulnerabilities in Mobile Smart Devices. <i>IEEE Transactions on Sustainable Computing</i> , 2017, 2, 90-99.	2.2	13
65	Distributed Group Key Management for Event Notification Confidentiality among Sensors. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019, , 1-1.	3.7	13
66	Randomness-efficient non-interactive zero knowledge. <i>Lecture Notes in Computer Science</i> , 1997, , 716-726.	1.0	13
67	Efficient Key Management for Enforcing Access Control in Outsourced Scenarios. <i>IFIP Advances in Information and Communication Technology</i> , 2009, , 364-375.	0.5	13
68	On binary search trees. <i>Information Processing Letters</i> , 1993, 45, 249-253.	0.4	12
69	An intelligent security architecture for distributed firewalling environments. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013, 4, 223-234.	3.3	12
70	On the Protection of fMRI Images in Multi-domain Environments. , 2015, , .		12
71	Multimedia-based battery drain attacks for Android devices. , 2014, , .		11
72	Randomness-Optimal Characterization of Two NP Proof Systems. <i>Lecture Notes in Computer Science</i> , 2002, , 179-193.	1.0	10

#	ARTICLE	IF	CITATIONS
73	Compression-based steganography. Concurrency Computation Practice and Experience, 2020, 32, e5322.	1.4	9
74	Device Tracking in Private Networks via NAPT Log Analysis. , 2012, , .		8
75	A note on time-bound hierarchical key assignment schemes. Information Processing Letters, 2013, 113, 151-155.	0.4	8
76	Automated Production of Predetermined Digital Evidence. IEEE Access, 2013, 1, 216-231.	2.6	8
77	Tight Upper and Lower Bounds on the Path Length of Binary Trees. SIAM Journal on Computing, 1994, 23, 12-23.	0.8	7
78	The graph clustering problem has a perfect zero-knowledge interactive proof. Information Processing Letters, 1999, 69, 201-206.	0.4	7
79	Secure and reliable data communication in developing regions and rural areas. Pervasive and Mobile Computing, 2015, 24, 117-128.	2.1	7
80	A Novel Methodology to Acquire Live Big Data Evidence from the Cloud. IEEE Transactions on Big Data, 2019, 5, 425-438.	4.4	7
81	Security and Tradeoffs of the Akl-Taylor Scheme and Its Variants. Lecture Notes in Computer Science, 2009, , 247-257.	1.0	7
82	New lower bounds on the cost of binary search trees. Theoretical Computer Science, 1996, 156, 315-325.	0.5	6
83	Reversible Copyright Protection for DNA Microarray Images. , 2015, , .		6
84	On secret set schemes. Information Processing Letters, 2000, 74, 243-251.	0.4	5
85	An Enhanced Firewall Scheme for Dynamic and Adaptive Containment of Emerging Security Threats. , 2010, , .		5
86	Parallel Low-Complexity Lossless Coding of Three-Dimensional Medical Images. , 2014, , .		5
87	Randomness in Visual Cryptography. Lecture Notes in Computer Science, 2000, , 626-638.	1.0	5
88	Tight bounds on the path length of binary trees. Lecture Notes in Computer Science, 1991, , 478-487.	1.0	3
89	A Novel Approach to Proactive Password Checking. Lecture Notes in Computer Science, 2002, , 30-39.	1.0	3
90	Data hiding using compressed archives. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
91	A New Key Assignment Scheme for Access Control in a Complete Tree Hierarchy. Lecture Notes in Computer Science, 2006, , 202-217.	1.0	3
92	New Results on the Randomness of Visual Cryptography Schemes. , 2001, , 187-201.		3
93	On the Relations Between Security Notions in Hierarchical Key Assignment Schemes for Dynamic Structures. Lecture Notes in Computer Science, 2016, , 37-54.	1.0	3
94	Using Colors to Improve Visual Cryptography for Black and White Images. Lecture Notes in Computer Science, 2011, , 182-201.	1.0	3
95	Secret Sharing and Visual Cryptography Schemes. IFIP Advances in Information and Communication Technology, 2001, , 123-137.	0.5	2
96	On Monotone Formula Composition of Perfect Zero-Knowledge Languages. SIAM Journal on Computing, 2008, 38, 1300-1329.	0.8	2
97	Anonymous protocols: Notions and equivalence. Theoretical Computer Science, 2015, 581, 9-25.	0.5	2
98	Novel Insider Threat Techniques. , 2015, , .		1
99	Fully Distributed Secure Video Surveillance Via Portable Device with User Awareness. Lecture Notes in Computer Science, 2013, , 414-429.	1.0	1
100	Measure-Independent Characterization of Contrast Optimal Visual Cryptography Schemes. Lecture Notes in Computer Science, 2014, , 39-55.	1.0	1
101	Privacy-preserving Secure Media Streaming for Multi-user Smart Environments. ACM Transactions on Internet Technology, 2022, 22, 1-21.	3.0	1
102	Zero-knowledge proofs of computational power in the shared string model. Lecture Notes in Computer Science, 1995, , 182-192.	1.0	0
103	The power of preprocessing in zero-knowledge proofs of knowledge. Journal of Cryptology, 1996, 9, 129-148.	2.1	0
104	Key privacy and anonymous protocols. , 2013, , .		0
105	One-Message Unilateral Entity Authentication Schemes. , 2017, , .		0