Roberto De Prisco

List of Publications by Year
in descending order

78 papers	1,261 citations	430874 18 h-index	414414 32 g-index
81 all docs	81 docs citations	81 times ranked	518 citing authors

#	Article	IF	Citations
1	Probabilistic Visual Cryptography Schemes. Computer Journal, 2006, 49, 97-107.	2.4	200
2	Optimal Colored Threshold Visual Cryptography Schemes. Designs, Codes, and Cryptography, 2005, 35, 311-335.	1.6	80
3	Revisiting the paxos algorithm. Theoretical Computer Science, 2000, 243, 35-91.	0.9	79
4	Colored visual cryptography without color darkening. Theoretical Computer Science, 2007, 374, 261-276.	0.9	72
5	On the Relation of Random Grid and Deterministic Visual Cryptography. IEEE Transactions on Information Forensics and Security, 2014, 9, 653-665.	6.9	65
6	Time-optimal message-efficient work performance in the presence of faults. , 1994, , .		52
7	Deterministic Truthful Approximation Mechanisms for Scheduling Related Machines. Lecture Notes in Computer Science, 2004, , 608-619.	1.3	45
8	Performing tasks on synchronous restartable message-passing processors. Distributed Computing, 2001, 14, 49-64.	0.8	39
9	A botnet-based command and control approach relying on swarm intelligence. Journal of Network and Computer Applications, 2014, 38, 22-33.	9.1	28
10	Understanding the structure of musical compositions: Is visualization an effective approach?. Information Visualization, 2017, 16, 139-152.	1.9	28
11	Revisiting the Paxos algorithm. Lecture Notes in Computer Science, 1997, , 111-125.	1.3	27
12	Color visual cryptography schemes for black and white secret images. Theoretical Computer Science, 2013, 510, 62-86.	0.9	25
13	On k-set consensus problems in asynchronous systems. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 7-21.	5.6	24
14	The Conundrum of Success in Music: Playing it or Talking About it?. IEEE Access, 2019, 7, 123289-123298.	4.2	23
15	Cheating Immune Threshold Visual Secret Sharing. Computer Journal, 2010, 53, 1485-1496.	2.4	22
16	Cheating Immune (2,n)-Threshold Visual Secret Sharing. Lecture Notes in Computer Science, 2006, , 216-228.	1.3	20
17	The power of verification for one-parameter agents. Journal of Computer and System Sciences, 2009, 75, 190-211.	1.2	20
18	EvoComposer: An Evolutionary Algorithm for 4-Voice Music Compositions. Evolutionary Computation, 2020, 28, 489-530.	3.0	20

#	ARTICLE	IF	CITATIONS
19	New bounds on the expected length of one-to-one codes. IEEE Transactions on Information Theory, 1996, 42, 246-250.	2.4	19
20	Visualization of Music Plagiarism: Analysis and Evaluation. , 2016, , .		19
21	EvoBassComposer. , 2010, , .		18
22	Providing music service in Ambient Intelligence: experiments with gym users. Expert Systems With Applications, 2021, 177, 114951.	7.6	18
23	A hybrid computational intelligence approach for automatic music composition. , 2011, , .		16
24	A Dynamic Primary Configuration Group Communication Service. Lecture Notes in Computer Science, 1999, , 64-78.	1.3	16
25	Splicing music composition. Information Sciences, 2017, 385-386, 196-212.	6.9	14
26	New Constructions of Mechanisms with Verification. Lecture Notes in Computer Science, 2006, , 596-607.	1.3	14
27	The Power of Verification for One-Parameter Agents. Lecture Notes in Computer Science, 2004, , 171-182.	1.3	14
28	A Kind of Bio-inspired Learning of mUsic stylE. Lecture Notes in Computer Science, 2017, , 97-113.	1.3	13
29	A Neural Network for Bass Functional Harmonization. Lecture Notes in Computer Science, 2010, , 351-360.	1.3	13
30	On binary search trees. Information Processing Letters, 1993, 45, 249-253.	0.6	12
31	Performing tasks on restartable message-passing processors. Lecture Notes in Computer Science, 1997, , 96-110.	1.3	12
32	Secure computation without computers. Theoretical Computer Science, 2016, 651, 11-36.	0.9	11
33	Chorale Music Splicing System: An Algorithmic Music Composer Inspired by Molecular Splicing. Lecture Notes in Computer Science, 2015, , 50-61.	1.3	11
34	Catastrophic faults in reconfigurable systolic linear arrays. Discrete Applied Mathematics, 1997, 75, 105-123.	0.9	10
35	Measure-independent characterization of contrast optimal visual cryptography schemes. Journal of Systems and Software, 2014, 95, 89-99.	4.5	10
36	A Genetic Algorithm for Dodecaphonic Compositions. Lecture Notes in Computer Science, 2011, , 244-253.	1.3	9

#	Article	IF	Citations
37	Evaluation Study of Visualisations for Harmonic Analysis of 4-Part Music. , 2018, , .		8
38	How to Forge a Digital Alibi on MacÂOSÂX. Lecture Notes in Computer Science, 2012, , 430-444.	1.3	8
39	On Designing Truthful Mechanisms for Online Scheduling. Lecture Notes in Computer Science, 2005, , 3-17.	1.3	7
40	Secure Two-Party Computation: A Visual Way. Lecture Notes in Computer Science, 2014, , 18-38.	1.3	7
41	A new bound for the data expansion of Huffman codes. IEEE Transactions on Information Theory, 1997, 43, 2028-2032.	2.4	6
42	Certified email: design and implementation of a new optimistic protocol. , 0, , .		6
43	On k-set consensus problems in asynchronous systems. , 1999, , .		5
44	An adaptive meta-heuristic for music plagiarism detection based on text similarity and clustering. Data Mining and Knowledge Discovery, 2022, 36, 1301-1334.	3.7	5
45	Visual Cryptography. Lecture Notes in Computer Science, 2016, , 20-39.	1.3	4
46	Design Weaknesses in Recent Ultralightweight RFID Authentication Protocols. IFIP Advances in Information and Communication Technology, 2018, , 3-17.	0.7	4
47	Minimal path length of trees with known fringe. Theoretical Computer Science, 1995, 143, 175-188.	0.9	3
48	On Lower Bounds for the Redundancy of Optimal Codes. Designs, Codes, and Cryptography, 1998, 15, 29-45.	1.6	3
49	Fuzzy vectorial-based similarity detection of music plagiarism. , 2017, , .		3
50	Secret sharing schemes for infinite sets of participants: A new design technique. Theoretical Computer Science, 2021, 859, 149-161.	0.9	3
51	Private Visual Share-Homomorphic Computation and Randomness Reduction in Visual Cryptography. Lecture Notes in Computer Science, 2016, , 95-113.	1.3	3
52	A Customizable Recognizer for Orchestral Conducting Gestures Based on Neural Networks. Lecture Notes in Computer Science, 2011, , 254-263.	1.3	3
53	A Differential Evolution Algorithm Assisted by ANFIS for Music Fingering. Lecture Notes in Computer Science, 2012, , 48-56.	1.3	3
54	Using Colors to Improve Visual Cryptography for Black and White Images. Lecture Notes in Computer Science, 2011, , 182-201.	1.3	3

#	Article	IF	Citations
55	Modeling A Certified Email Protocol using I/O Automata. Electronic Notes in Theoretical Computer Science, 2004, 99, 339-359.	0.9	2
56	Routing selfish unsplittable traffic. ACM Transactions on Algorithms, 2007, 3, 52.	1.0	2
57	On the Data Expansion of the Huffman Compression Algorithm. Computer Journal, 1998, 41, 137-144.	2.4	1
58	On the redundancy and data expansion of Huffman codes. , 0, , .		1
59	Coordinated Cooperative Work Using Undependable Processors with Unreliable Broadcast. , 2014, , .		1
60	A computational intelligence text-based detection system of music plagiarism. , 2017, , .		1
61	Reducing costs in HSM-based data centers. Journal of High Speed Networks, 2018, 24, 363-373.	0.8	1
62	On the Equivalence of 2-Threshold Secret Sharing Schemes and Prefix Codes. Lecture Notes in Computer Science, 2018, , 157-167.	1.3	1
63	Measure-Independent Characterization of Contrast Optimal Visual Cryptography Schemes. Lecture Notes in Computer Science, 2014, , 39-55.	1.3	1
64	Reducing Costs in HSM-Based Data Centers. Lecture Notes in Computer Science, 2017, , 3-14.	1.3	1
65	Human-Machine Teaming in Music: anchored narrative-graph Visualization and Machine Learning. , 2020, , .		1
66	Gossamer: weaknesses and performance. International Journal of Information Security, 0, , 1.	3.4	1
67	A note on the expected path length of trees with known fringe. Information Processing Letters, 1996, 59, 309-315.	0.6	0
68	Algorithmic problems in distributed systems. Computer Networks, 2006, 50, 1581-1582.	5.1	0
69	On designing truthful mechanisms for online scheduling. Theoretical Computer Science, 2009, 410, 3348-3356.	0.9	0
70	Coordinated cooperative task computing using crash-prone processors with unreliable multicast. Journal of Parallel and Distributed Computing, 2017, 109, 272-285.	4.1	0
71	BAND: A mobile-based collaboration system for composing and playing music. , 2017, , .		0
72	An Efficient and Reliable Two-Level Lightweight Authentication Protocol. Lecture Notes in Computer Science, 2018, , 168-180.	1.3	0

#	Article	IF	Citations
73	Design of an outdoor position certification authority. International Journal of Embedded Systems, 2020, 12, 404.	0.3	0
74	Ultra-lightweight Authentication. , 2021, , 99-112.		0
75	Splicing-Inspired Recognition and Composition of Musical Collectives Styles. Lecture Notes in Computer Science, 2017, , 219-231.	1.3	0
76	Design of an outdoor position certification authority. International Journal of Embedded Systems, 2020, 12, 404.	0.3	0
77	Graph embedding of music structures for machine learning approaches. , 2021, , .		0
78	Creative DNA computing: splicing systems for music composition. Soft Computing, 0, , .	3.6	0