David Megias

List of Publications by Year
in descending order

81 papers	1,331 citations	489802 18 h-index	425179 34 g-index
83 all docs	83 docs citations	83 times ranked	1206 citing authors

#	Article	IF	Citations
1	Subsequent Embedding in Targeted Image Steganalysis: Theoretical Framework and Practical Applications. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 1403-1421.	3.7	4
2	High capacity speech steganography for the G723.1 coder based on quantised line spectral pairs interpolation and CNN auto-encoding. Applied Intelligence, 2022, 52, 9441-9459.	3.3	9
3	A Graph-Based Differentially Private Algorithm for Mining Frequent Sequential Patterns. Applied Sciences (Switzerland), 2022, 12, 2131.	1.3	2
4	Collaborative and efficient privacy-preserving critical incident management system. Expert Systems With Applications, 2021, 163, 113727.	4.4	5
5	Are Sequential Patterns Shareable? Ensuring Individuals' Privacy. Lecture Notes in Computer Science, 2021, , 28-39.	1.0	0
6	Give more data, awareness and control to individual citizens, and they will help COVID-19 containment. Ethics and Information Technology, 2021, 23, 1-6.	2.3	33
7	DISSIMILAR: Towards fake news detection using information hiding, signal processing and machine learning. , 2021, , .		3
8	Blockchain-Based Multimedia Content Protection: Review and Open Challenges. Applied Sciences (Switzerland), 2021, 11, 1.	1.3	357
9	Data Hiding and Its Applications: Digital Watermarking and Steganography. Applied Sciences (Switzerland), 2021, 11, 10928.	1.3	7
10	Retransmission steganography in real-world scenarios: a practical study. , 2021, , .		3
11	Swapping trajectories with a sufficient sanitizer. Pattern Recognition Letters, 2020, 131, 474-480.	2.6	3
12	Survey on Decentralized Fingerprinting Solutions: Copyright Protection through Piracy Tracing. Computers, 2020, 9, 26.	2.1	9
13	Data hiding. , 2020, , .		3
14	Taxonomy and challenges in machine learning-based approaches to detect attacks in the internet of things. , 2020, , .		7
15	Detection of Classifier Inconsistencies in Image Steganalysis. , 2019, , .		4
16	Entropy-Based Semi-Fragile Watermarking of Remote Sensing Images in the Wavelet Domain. Entropy, 2019, 21, 847.	1.1	10
17	Pitch and Fourier magnitude based steganography for hiding 2.4Âkbps MELP bitstream. IET Signal Processing, 2019, 13, 396-407.	0.9	9
18	SeVEP: Secure and Verifiable Electronic Polling System. IEEE Access, 2019, 7, 19266-19290.	2.6	18

#	Article	IF	Citations
19	Blockchain-based P2P multimedia content distribution using collusion-resistant fingerprinting. , 2019, , .		10
20	Adjustable audio watermarking algorithm based on DWPT and psychoacoustic modeling. Multimedia Tools and Applications, 2018, 77, 11693-11725.	2.6	9
21	Fourier magnitude-based steganography for hiding 2.4 kbpsMELP secret speech. , 2018, , .		3
22	Protecting Privacy in Trajectories with a User-Centric Approach. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-27.	2.5	3
23	Co-utile Privacy-Aware P2P Content Distribution. Studies in Systems, Decision and Control, 2018, , 87-116.	0.8	0
24	VSPReP: Verifiable, Secure and Privacy-Preserving Remote Polling with Untrusted Computing Devices. Communications in Computer and Information Science, 2018, , 61-79.	0.4	2
25	Individual Differential Privacy: A Utility-Preserving Formulation of Differential Privacy Guarantees. IEEE Transactions on Information Forensics and Security, 2017, 12, 1418-1429.	4.5	100
26	Collusion-resistant and privacy-preserving P2P multimedia distribution based on recombined fingerprinting. Expert Systems With Applications, 2017, 71, 147-172.	4.4	19
27	Co-utility for digital content protection and digital forgetting. , 2016, , .		3
28	State-of-the-art, challenges and open issues in integrating security and privacy in P2P content distribution systems. , 2016, , .		2
29	Flexible image watermarking in JPEG domain. , 2016, , .		4
30	PSUM: Peer-to-peer multimedia content distribution using collusion-resistant fingerprinting. Journal of Network and Computer Applications, 2016, 66, 180-197.	5.8	17
31	Enabling Collaborative Privacy in User-Generated Emergency Reports. Lecture Notes in Computer Science, 2016, , 255-271.	1.0	0
32	Enhanced Collusion Resistance for Segment-wise Recombined Fingerprinting in P2P Distribution Systems. , 2016, , .		0
33	Unsupervised steganalysis based on artificial training sets. Engineering Applications of Artificial Intelligence, 2016, 50, 45-59.	4.3	48
34	User-Centric Privacy-Preserving Collection and Analysis of Trajectory Data. Lecture Notes in Computer Science, 2016, , 245-253.	1.0	2
35	Audio Watermarking Based on Fibonacci Numbers. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1273-1282.	4.0	44
36	Transparent high capacity audio watermarking in wavelet domain. , 2015, , .		2

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37	Improved Privacy-Preserving P2P Multimedia Distribution Based on Recombined Fingerprints. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 179-189.	3.7	23
38	Framework for preserving security and privacy in peer-to-peer content distribution systems. Expert Systems With Applications, 2015, 42, 1391-1408.	4.4	27
39	Fast and Low-Complexity Audio Watermarking. , 2014, , .		0
40	Robust Audio Watermarking Based on Fibonacci Numbers. , 2014, , .		3
41	Secure logarithmic audio watermarking scheme based on the human auditory system. Multimedia Systems, 2014, 20, 155-164.	3.0	16
42	Privacy-aware peer-to-peer content distribution using automatically recombined fingerprints. Multimedia Systems, 2014, 20, 105-125.	3.0	22
43	DNA-inspired anonymous fingerprinting for efficient peer-to-peer content distribution. , 2013, , .		8
44	Distributed multicast of fingerprinted content based on a rational peer-to-peer community. Computer Communications, 2013, 36, 542-550.	3.1	23
45	LSB matching steganalysis based on patterns of pixel differences and random embedding. Computers and Security, 2013, 32, 192-206.	4.0	31
46	Improving reversible histogram based data hiding schemes with an image preprocessing method. , 2013, , .		0
47	Modeling Decisions for Artificial Intelligence. Lecture Notes in Computer Science, 2013, , .	1.0	0
48	Reversible data hiding for tampering detection in remote sensing images using histogram shifting. , 2012, , .		1
49	High Capacity Logarithmic Audio Watermarking Based on the Human Auditory System. , 2012, , .		4
50	Reversible and high-capacity data hiding in medical images. IET Image Processing, 2011, 5, 190.	1.4	52
51	Subjectively adapted high capacity lossless image data hiding based on prediction errors. Multimedia Tools and Applications, 2011, 52, 513-527.	2.6	19
52	High capacity audio watermarking using the high frequency band of the wavelet domain. Multimedia Tools and Applications, 2011, 52, 485-498.	2.6	44
53	Improved flooding of broadcast messages using extended multipoint relaying. Journal of Network and Computer Applications, 2011, 34, 542-550.	5.8	5
54	Lossless image data embedding in plain areas. Proceedings of SPIE, 2011, , .	0.8	2

#	ARTICLE	IF	CITATIONS
55	A novel semi-fragile forensic watermarking scheme for remote sensing images. International Journal of Remote Sensing, 2011, 32, 5583-5606.	1.3	15
56	Watermarking scheme for tampering detection in remote sensing images using variable size tiling and DWT. , 2010, , .		0
57	Robust High-Capacity Audio Watermarking Based on FFT Amplitude Modification. IEICE Transactions on Information and Systems, 2010, E93-D, 87-93.	0.4	23
58	Efficient self-synchronised blind audio watermarking system based on time domain and FFT amplitude modification. Signal Processing, 2010, 90, 3078-3092.	2.1	83
59	DWT and TSVQ-based Semi-fragile Watermarking Scheme for Tampering Detection in Remote Sensing Images. , 2010, , .		5
60	DWT-Based High Capacity Audio Watermarking. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 331-335.	0.2	15
61	High capacity, reversible data hiding in medical images. , 2009, , .		19
62	Free technology academy. , 2009, , .		1
63	Free technology academy. SIGCSE Bulletin, 2009, 41, 70-74.	0.1	2
64	High capacity audio watermarking using FFT amplitude interpolation. IEICE Electronics Express, 2009, 6, 1057-1063.	0.3	39
65	High Capacity Method for Real-Time Audio Data Hiding Using the FFT Transform. Communications in Computer and Information Science, 2009, , 91-97.	0.4	10
66	Reversible Data Hiding Based On H.264/AVC Intra Prediction. Lecture Notes in Computer Science, 2009, , 52-60.	1.0	5
67	Multiband semifragile watermarking for multi and hyperspectral images based on iterative tree structured vector quantization. , 2006, , .		1
68	A benchmark assessment of the WAUC watermarking audio algorithm. , 2006, , .		0
69	Theoretical Framework for a Practical Evaluation and Comparison of Audio Watermarking Schemes in the Triangle of Robustness, Transparency and Capacity. Lecture Notes in Computer Science, 2006, , 1-40.	1.0	17
70	Robust Frequency Domain Audio Watermarking: A Tuning Analysis. Lecture Notes in Computer Science, 2005, , 244-258.	1.0	3
71	Robust watermarking scheme based on the JPEG2000 standard. Journal of Electronic Imaging, 2005, 14, 033015.	0.5	3
72	Total Disclosure of the Embedding and Detection Algorithms for a Secure Digital Watermarking Scheme for Audio. Lecture Notes in Computer Science, 2005, , 427-440.	1.0	7

#	Article	IF	Citations
73	An audio watermarking scheme robust against stereo attacks. , 2004, , .		3
74	Evaluation of copyright protection schemes for hyperspectral imaging. , 2004, , .		2
75	<title>Empirical evaluation of a JPEG2000 standard-based robust watermarking scheme</title>. , 2003, , .		4
76	A Robust Audio Watermarking Scheme Based on MPEG 1 Layer 3 Compression. Lecture Notes in Computer Science, 2003, , 226-238.	1.0	11
77	Minâ€"max constrained quasi-infinite horizon model predictive control using linear programming. Journal of Process Control, 2002, 12, 495-505.	1.7	11
78	A family of image watermarking schemes based on lossy compression. , 0, , .		0
79	Influence of mark embedding strategies on lossless compression of ultraspectral images. , 0, , .		0
80	Wavelet lossless compression of ultraspectral sounder data. , 0, , .		8
81	A survey on security, privacy and anonymity in legal distribution of copyrighted multimedia content over peer-to-peer networks. IN3 Working Paper Series, 0, , .	0.0	2