Teddy Furon

List of Publications by Year
in descending order

76 papers	1,324 citations	471509 17 h-index	526287 27 g-index
78 all docs	78 docs citations	78 times ranked	671 citing authors

#	Article	IF	Citations
1	Efficient Diffusion on Region Manifolds: Recovering Small Objects with Compact CNN Representations. , 2017, , .		102
2	A general framework for robust watermarking security. Signal Processing, 2003, 83, 2069-2084.	3.7	94
3	Estimating Local Intrinsic Dimensionality. , 2015, , .		68
4	Watermarking Is Not Cryptography. Lecture Notes in Computer Science, 2006, , 1-15.	1.3	55
5	An asymmetric watermarking method. IEEE Transactions on Signal Processing, 2003, 51, 981-995.	5.3	51
6	Security of Lattice-Based Data Hiding Against the Known Message Attack. IEEE Transactions on Information Forensics and Security, 2006, 1, 421-439.	6.9	42
7	Broken Arrows. Eurasip Journal on Information Security, 2008, 2008, 597040.	2.2	39
8	On the Design and Optimization of Tardos Probabilistic Fingerprinting Codes. Lecture Notes in Computer Science, 2008, , 341-356.	1.3	39
9	An Asymmetric Public Detection Watermarking Technique. Lecture Notes in Computer Science, 2000, , 88-100.	1.3	38
10	On-off keying modulation and tardos fingerprinting. , 2008, , .		33
11	Worst case attacks against binary probabilistic traitor tracing codes. , 2009, , .		33
12	<title>Applied public-key steganography</title>. , 2002, , .		32
13	Toward Practical Joint Decoding of Binary Tardos Fingerprinting Codes. IEEE Transactions on Information Forensics and Security, 2012, 7, 1168-1180.	6.9	31
14	<title>Unified approach of asymmetric watermarking schemes</title>. , 2001, , .		31
15	Privacy-Preserving Outsourced Media Search. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2738-2751.	5.7	30
16	Walking on the Edge: Fast, Low-Distortion Adversarial Examples. IEEE Transactions on Information Forensics and Security, 2021, 16, 701-713.	6.9	29
17	Complex Document Classification and Localization Application on Identity Document Images. , 2017, , .		28
18	Orientation Covariant Aggregation of Local Descriptors with Embeddings. Lecture Notes in Computer Science, 2014, , 382-397.	1.3	27

#	Article	IF	Citations
19	Fast Spectral Ranking for Similarity Search. , 2018, , .		26
20	A New Measure of Watermarking Security: The Effective Key Length. IEEE Transactions on Information Forensics and Security, 2013, 8, 1306-1317.	6.9	25
21	Extreme-value-theoretic estimation of local intrinsic dimensionality. Data Mining and Knowledge Discovery, 2018, 32, 1768-1805.	3.7	25
22	EM decoding of tardos traitor tracing codes. , 2009, , .		25
23	Watermarking security part one: Theory. , 2005, 5681, 746.		20
24	A Constructive and Unifying Framework for Zero-Bit Watermarking. IEEE Transactions on Information Forensics and Security, 2007, 2, 149-163.	6.9	20
25	Memory Vectors for Similarity Search in High-Dimensional Spaces. IEEE Transactions on Big Data, 2018, 4, 65-77.	6.1	20
26	An Asymmetric Fingerprinting Scheme Based on Tardos Codes. Lecture Notes in Computer Science, 2011, , 43-58.	1.3	19
27	A Group Testing Framework for Similarity Search in High-dimensional Spaces. , 2014, , .		16
28	Panorama to Panorama Matching for Location Recognition. , 2017, , .		16
29	A Survey of Watermarking Security. Lecture Notes in Computer Science, 2005, , 201-215.	1.3	16
30	Watermarking security part two: Practice. , 2005, , .		15
31	Experimental Assessment of the Reliability for Watermarking and Fingerprinting Schemes. Eurasip Journal on Information Security, 2008, 2008, 1-12.	2.2	14
32	High Intrinsic Dimensionality Facilitates Adversarial Attack: Theoretical Evidence. IEEE Transactions on Information Forensics and Security, 2021, 16, 854-865.	6.9	14
33	Tardos codes for real. , 2014, , .		13
34	Group testing meets traitor tracing. , 2011, , .		12
35	Efficient Large-Scale Similarity Search Using Matrix Factorization. , 2016, , .		12
36	Watermarking Images in Self-Supervised Latent Spaces. , 2022, , .		12

#	Article	IF	Citations
37	Are Classification Deep Neural Networks Good for Blind Image Watermarking?. Entropy, 2020, 22, 198.	2.2	11
38	Towards Joint Tardos Decoding: The â€˜Don Quixoteâ€™ Algorithm. Lecture Notes in Computer Science, 2011, , 28-42.	1.3	11
39	Identity Documents Classification as an Image Classification Problem. Lecture Notes in Computer Science, 2017, , 602-613.	1.3	10
40	Smooth adversarial examples. Eurasip Journal on Information Security, 2020, 2020, .	3.1	10
41	Watermarking Attack: Security of WSS Techniques. Lecture Notes in Computer Science, 2005, , 171-183.	1.3	9
42	Blind decoder for binary probabilistic traitor tracing codes. , 2009, , .		9
43	Tracing Pirated Content on the Internet: Unwinding Ariadne's Thread. IEEE Security and Privacy, 2010, 8, 69-71.	1.2	9
44	Decoding fingerprints using the Markov Chain Monte Carlo method. , 2012, , .		9
45	Generating Adversarial Images in Quantized Domains. IEEE Transactions on Information Forensics and Security, 2022, 17, 373-385.	6.9	9
46	<title>Improved polynomial detectors for side-informed watermarking</title>. , 2003, , .		8
47	Rotation and translation covariant match kernels for image retrieval. Computer Vision and Image Understanding, 2015, 140, 9-20.	4.7	8
48	Fast and secure similarity search in high dimensional space. , 2013, , .		7
49	Puzzling face verification algorithms for privacy protection. , 2014, , .		7
50	Are Deep Neural Networks good for blind image watermarking?. , 2018, , .		7
51	Challenging Differential Privacy:The Case of Non-interactive Mechanisms. Lecture Notes in Computer Science, 2014, , 146-164.	1.3	6
52	A New Measure of Watermarking Security Applied on QIM. Lecture Notes in Computer Science, 2013, , 207-223.	1.3	6
53	Towards digital rights and exemptions management systems. Computer Law and Security Review, 2004, 20, 281-287.	2.2	5
54	Aggregation and Embedding for Group Membership Verification. , 2019, , .		5

#	Article	IF	Citations
55	What if Adversarial Samples were Digital Images?. , 2020, , .		5
56	On achievable security levels for lattice data hiding in the known message attack scenario. , 2006, , .		3
57	Better security levels for broken arrows. , 2010, , .		3
58	Iterative single tardos decoder with controlled probability of false positive. , 2011, , .		2
59	Scaling Group Testing Similarity Search. , 2016, , .		2
60	A Quick Tour of Watermarking Techniques. Springer Briefs in Electrical and Computer Engineering, 2016, , 13-31.	0.5	2
61	Automatic Discovery of Discriminative Parts as a Quadratic Assignment Problem. , 2017, , .		2
62	Group Membership Verification with Privacy: Sparse or Dense?. , 2019, , .		2
63	Forensics Through Stega Glasses: The Case of Adversarial Images. Lecture Notes in Computer Science, 2021, , 453-469.	1.3	2
64	Watermark detectors based on nthorder statistics. , 2002, , .		1
65	Practical key length of watermarking systems. , 2012, , .		1
66	Privacy Preserving Group Membership Verification and Identification. , 2019, , .		1
67	Joint Learning of Assignment and Representation for Biometric Group Membership. , 2020, , .		1
68	Patch Replacement. , 2021, , .		1
69	Towards robust and secure watermarking. , 2010, , .		1
70	Hybrid Diffusion: Spectral-Temporal Graph Filtering for Manifold Ranking. Lecture Notes in Computer Science, 2019, , 301-316.	1.3	1
71	Watermarking Error Exponents in the Presence of Noise. , 2019, , .		1
72	Robustness and Efficiency of Non-linear Side-Informed Watermarking. Lecture Notes in Computer Science, 2003, , 106-119.	1.3	0

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73	DÃ©codage EM du code de Tardos pour le fingerprinting. Traitement Du Signal, 2010, 27, 127-146.	1.3	0
74	Secure Design. Springer Briefs in Electrical and Computer Engineering, 2016, , 63-102.	0.5	0
75	Conclusions and Open Problems. Springer Briefs in Electrical and Computer Engineering, 2016, , 123-125.	0.5	0
76	Attacks. Springer Briefs in Electrical and Computer Engineering, 2016, , 103-122.	0.5	0