Juan RamÃ³n Troncoso-Pastoriza

List of Publications by Year
in descending order

36 papers	936 citations	687363 13 h-index	677142 22 g-index
42 all docs	42 docs citations	42 times ranked	962 citing authors

#	Article	IF	Citations
1	Efficient protocols for oblivious linear function evaluation from ring-LWE1. Journal of Computer Security, 2022, 30, 39-78.	0.8	1
2	Privacy-preserving federated neural network learning for disease-associated cell classification. Patterns, 2022, 3, 100487.	5.9	8
3	Scalable Privacy-Preserving Distributed Learning. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 323-347.	2.8	23
4	Revolutionizing Medical Data Sharing Using Advanced Privacy-Enhancing Technologies: Technical, Legal, and Ethical Synthesis. Journal of Medical Internet Research, 2021, 23, e25120.	4.3	54
5	Citizen-centered, auditable and privacy-preserving population genomics. Nature Computational Science, 2021, 1, 192-198.	8.0	10
6	Revisiting Multivariate Ring Learning with Errors and Its Applications on Lattice-Based Cryptography. Mathematics, 2021, 9, 858.	2.2	2
7	POSEIDON: Privacy-Preserving Federated Neural Network Learning. , 2021, , .		43
8	Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. Nature Communications, 2021, 12, 5910.	12.8	64
9	Data protection and ethics requirements for multisite research with health data: a comparative examination of legislative governance frameworks and the role of data protection technologiesâ€. Journal of Law and the Biosciences, 2020, 7, lsaa010.	1.6	26
10	Privacy-preserving semi-parallel logistic regression training with fully homomorphic encryption. BMC Medical Genomics, 2020, 13, 88.	1.5	19
11	Drynx: Decentralized, Secure, Verifiable System for Statistical Queries and Machine Learning on Distributed Datasets. IEEE Transactions on Information Forensics and Security, 2020, 15, 3035-3050.	6.9	32
12	Cybersecurity of Hospitals: discussing the challenges and working towards mitigating the risks. BMC Medical Informatics and Decision Making, 2020, 20, 146.	3.0	77
13	Efficient Protocols for Oblivious Linear Function Evaluation from Ring-LWE. Lecture Notes in Computer Science, 2020, , 130-149.	1.3	11
14	MedCo: Enabling Secure and Privacy-Preserving Exploration of Distributed Clinical and Genomic Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1328-1341.	3.0	58
15	Revisiting Multivariate Lattices for Encrypted Signal Processing. , 2019, , .		0
16	Efficient PRNU Matching in the Encrypted Domain. Proceedings (mdpi), 2019, 21, 17.	0.2	1
17	Camera Attribution Forensic Analyzer in the Encrypted Domain. , 2018, , .		6
18	On Enforcing the Digital Immunity of a Large Humanitarian Organization. , 2018, , .		6

#	Article	IF	Citations
19	Number Theoretic Transforms for Secure Signal Processing. IEEE Transactions on Information Forensics and Security, 2017, 12, 1125-1140.	6.9	28
20	Secure genomic susceptibility testing based on lattice encryption. , 2017, , .		1
21	Dynamic Privacy-Preserving Genomic Susceptibility Testing. , 2016, , .		5
22	Image denoising in the encrypted domain. , 2016, , .		11
23	Multivariate lattices for encrypted image processing. , 2015, , .		4
24	Bootstrap-based proxy reencryption for private multi-user computing. , 2014, , .		0
25	Secure signal processing in the cloud: enabling technologies for privacy-preserving multimedia cloud processing. IEEE Signal Processing Magazine, 2013, 30, 29-41.	5.6	38
26	Privacy-preserving data aggregation in smart metering systems: an overview. IEEE Signal Processing Magazine, 2013, 30, 75-86.	5.6	161
27	Fully homomorphic faces. , 2012, , .		6
28	Secure Adaptive Filtering. IEEE Transactions on Information Forensics and Security, 2011, 6, 469-485.	6.9	16
29	Efficient protocols for secure adaptive filtering. , 2011, , .		1
30	A new model for Gabor coefficients' magnitude in face recognition. , 2010, , .		2
31	Skewed log-stable model for natural images pixel block-variance. , 2009, , .		2
32	A secure multidimensional point inclusion protocol. , 2007, , .		29
33	Efficient Zero-Knowledge Watermark Detection with Improved Robustness to Sensitivity Attacks. Eurasip Journal on Information Security, 2007, 2007, 1-14.	2.2	1
34	Privacy preserving error resilient dna searching through oblivious automata. , 2007, , .		122
35	Watermarking Security: A Survey. Lecture Notes in Computer Science, 2006, , 41-72.	1.3	49
36	A Review of â€œCamera Attribution Forensic Analyzer in the Encrypted Domainâ€• ColecciÃ³n Jornadas Y Congresos, 0, , .	0.0	0