Juan Ramn Troncoso-Pastoriza

List of Publications by Year in Descending Order

34 papers	514 citations
12 h-index	22 g-index
42 ext. papers	702 ext. citations
4.7 avg, IF	4.12 L-index

#	Paper	IF	Citations
34	Privacy-preserving federated neural network learning for disease-associated cell classification. *Patterns*, **2022**, 100487	5.1	0
33	Efficient protocols for oblivious linear function evaluation from ring-LWE1. *Journal of Computer Security*, **2021**, 1-40	0.8	
32	Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. *Nature Communications*, **2021**, 12, 5910	17.4	6
31	Citizen-centered, auditable and privacy-preserving population genomics. *Nature Computational Science*, **2021**, 1, 192-198		3
30	Revisiting Multivariate Ring Learning with Errors and Its Applications on Lattice-Based Cryptography. *Mathematics*, **2021**, 9, 858	2.3	2
29	Scalable Privacy-Preserving Distributed Learning. *Proceedings on Privacy Enhancing Technologies*, **2021**, 2021, 323-347	3.2	6
28	Revolutionizing Medical Data Sharing Using Advanced Privacy-Enhancing Technologies: Technical, Legal, and Ethical Synthesis. *Journal of Medical Internet Research*, **2021**, 23, e25120	7.6	13
27	POSEIDON: Privacy-Preserving Federated Neural Network Learning **2021**,		16
26	Drynx: Decentralized, Secure, Verifiable System for Statistical Queries and Machine Learning on Distributed Datasets. *IEEE Transactions on Information Forensics and Security*, **2020**, 1-1	8	19
25	Cybersecurity of Hospitals: discussing the challenges and working towards mitigating the risks. *BMC Medical Informatics and Decision Making*, **2020**, 20, 146	3.6	20
24	Efficient Protocols for Oblivious Linear Function Evaluation from Ring-LWE. *Lecture Notes in Computer Science*, **2020**, 130-149	0.9	5
23	Data protection and ethics requirements for multisite research with health data: a comparative examination of legislative governance frameworks and the role of data protection technologies. *Journal of Law and the Biosciences*, **2020**, 7, lsaa010	4.1	5
22	Privacy-preserving semi-parallel logistic regression training with fully homomorphic encryption. *BMC Medical Genomics*, **2020**, 13, 88	3.7	10
21	Efficient PRNU Matching in the Encrypted Domain. *Proceedings (mdpi)*, **2019**, 21, 17	0.3	0
20	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	34
19	**2018**,		3
18	. *IEEE Transactions on Information Forensics and Security*, **2017**, 12, 1125-1140	8	21

LIST OF PUBLICATIONS

17	Dynamic Privacy-Preserving Genomic Susceptibility Testing **2016**,		2
16	**2016**,		7
15	Multivariate lattices for encrypted image processing **2015**,		3
14	Secure signal processing in the cloud: enabling technologies for privacy-preserving multimedia cloud processing. *IEEE Signal Processing Magazine*, **2013**, 30, 29-41	9.4	31
13	Privacy-preserving data aggregation in smart metering systems: an overview. *IEEE Signal Processing Magazine*, **2013**, 30, 75-86	9.4	133
12	**2012**,		5
11	Secure Adaptive Filtering. *IEEE Transactions on Information Forensics and Security*, **2011**, 6, 469-485	8	12
10	Efficient protocols for secure adaptive filtering **2011**,		1
9	CryptoDSPs for Cloud Privacy. *Lecture Notes in Computer Science*, **2011**, 428-439	0.9	3
8	A new model for Gabor coefficientsZmagnitude in face recognition **2010**,		2
7	Skewed log-stable model for natural images pixel block-variance **2009**,		2
6	A secure multidimensional point inclusion protocol **2007**,		24
5	Efficient Zero-Knowledge Watermark Detection with Improved Robustness to Sensitivity Attacks. *Eurasip Journal on Information Security*, **2007**, 2007, 1-14		1
4	Privacy preserving error resilient dna searching through oblivious automata **2007**,		87
3	Watermarking Security: A Survey. *Lecture Notes in Computer Science*, **2006**, 41-72	0.9	32
2	Citizen-Centered, Auditable, and Privacy-Preserving Population Genomics		2
1	Truly Privacy-Preserving Federated Analytics for Precision Medicine with Multiparty Homomorphic Encryption		2