

Juan Ramón Troncoso-Pastoriza

List of Publications by Year in descending order

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36
papers

936
citations

687363

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677142

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42
docs citations

42
times ranked

962
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Privacy-preserving data aggregation in smart metering systems: an overview. IEEE Signal Processing Magazine, 2013, 30, 75-86. | 5.6 | 161 |
| 2 | Privacy preserving error resilient dna searching through oblivious automata. , 2007, , . | | 122 |
| 3 | Cybersecurity of Hospitals: discussing the challenges and working towards mitigating the risks. BMC Medical Informatics and Decision Making, 2020, 20, 146. | 3.0 | 77 |
| 4 | Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. Nature Communications, 2021, 12, 5910. | 12.8 | 64 |
| 5 | 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 |
| 6 | 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 |
| 7 | Watermarking Security: A Survey. Lecture Notes in Computer Science, 2006, , 41-72. | 1.3 | 49 |
| 8 | POSEIDON: Privacy-Preserving Federated Neural Network Learning. , 2021, , . | | 43 |
| 9 | 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 |
| 10 | 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 |
| 11 | A secure multidimensional point inclusion protocol. , 2007, , . | | 29 |
| 12 | Number Theoretic Transforms for Secure Signal Processing. IEEE Transactions on Information Forensics and Security, 2017, 12, 1125-1140. | 6.9 | 28 |
| 13 | 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, Isaa010. | 1.6 | 26 |
| 14 | Scalable Privacy-Preserving Distributed Learning. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 323-347. | 2.8 | 23 |
| 15 | Privacy-preserving semi-parallel logistic regression training with fully homomorphic encryption. BMC Medical Genomics, 2020, 13, 88. | 1.5 | 19 |
| 16 | Secure Adaptive Filtering. IEEE Transactions on Information Forensics and Security, 2011, 6, 469-485. | 6.9 | 16 |
| 17 | Image denoising in the encrypted domain. , 2016, , . | | 11 |
| 18 | Efficient Protocols for Oblivious Linear Function Evaluation from Ring-LWE. Lecture Notes in Computer Science, 2020, , 130-149. | 1.3 | 11 |

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|----|--|-----|-----------|
| 19 | Citizen-centered, auditable and privacy-preserving population genomics. Nature Computational Science, 2021, 1, 192-198. | 8.0 | 10 |
| 20 | Privacy-preserving federated neural network learning for disease-associated cell classification. Patterns, 2022, 3, 100487. | 5.9 | 8 |
| 21 | Fully homomorphic faces. , 2012, , . | | 6 |
| 22 | Camera Attribution Forensic Analyzer in the Encrypted Domain. , 2018, , . | | 6 |
| 23 | On Enforcing the Digital Immunity of a Large Humanitarian Organization. , 2018, , . | | 6 |
| 24 | Dynamic Privacy-Preserving Genomic Susceptibility Testing. , 2016, , . | | 5 |
| 25 | Multivariate lattices for encrypted image processing. , 2015, , . | | 4 |
| 26 | Skewed log-stable model for natural images pixel block-variance. , 2009, , . | | 2 |
| 27 | A new model for Gabor coefficients' magnitude in face recognition. , 2010, , . | | 2 |
| 28 | Revisiting Multivariate Ring Learning with Errors and Its Applications on Lattice-Based Cryptography. Mathematics, 2021, 9, 858. | 2.2 | 2 |
| 29 | Efficient Zero-Knowledge Watermark Detection with Improved Robustness to Sensitivity Attacks. Eurasip Journal on Information Security, 2007, 2007, 1-14. | 2.2 | 1 |
| 30 | Efficient protocols for secure adaptive filtering. , 2011, , . | | 1 |
| 31 | Secure genomic susceptibility testing based on lattice encryption. , 2017, , . | | 1 |
| 32 | Efficient PRNU Matching in the Encrypted Domain. Proceedings (mdpi), 2019, 21, 17. | 0.2 | 1 |
| 33 | Efficient protocols for oblivious linear function evaluation from ring-LWE1. Journal of Computer Security, 2022, 30, 39-78. | 0.8 | 1 |
| 34 | Bootstrap-based proxy reencryption for private multi-user computing. , 2014, , . | | 0 |
| 35 | Revisiting Multivariate Lattices for Encrypted Signal Processing. , 2019, , . | | 0 |
| 36 | A Review of "Camera Attribution Forensic Analyzer in the Encrypted Domain". Colección Jornadas Y Congresos, 0, , . | 0.0 | 0 |