Jean-Pierre Hubaux

List of Publications by Year
in descending order

45 papers	2,695 citations	361413 20 h-index	414414 32 g-index
51 all docs	51 docs citations	51 times ranked	2173 citing authors

#	Article	IF	Citations
1	Privacy-preserving federated neural network learning for disease-associated cell classification. Patterns, 2022, 3, 100487.	5.9	8
2	Scalable Privacy-Preserving Distributed Learning. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 323-347.	2.8	23
3	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
4	Citizen-centered, auditable and privacy-preserving population genomics. Nature Computational Science, 2021, 1, 192-198.	8.0	10
5	Multiparty Homomorphic Encryption from Ring-Learning-with-Errors. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 291-311.	2.8	30
6	POSEIDON: Privacy-Preserving Federated Neural Network Learning. , 2021, , .		43
7	Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. Nature Communications, 2021, 12, 5910.	12.8	64
8	GA4GH: International policies and standards for data sharing across genomic research and healthcare. Cell Genomics, 2021, 1, 100029.	6.5	94
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	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	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
12	The (Co-)Location Sharing Game. Proceedings on Privacy Enhancing Technologies, 2019, 2019, 5-25.	2.8	10
13	Are privacy-enhancing technologies for genomic data ready for the clinic? A survey of medical experts of the Swiss HIV Cohort Study. Journal of Biomedical Informatics, 2018, 79, 1-6.	4.3	5
14	A Predictive Model for User Motivation and Utility Implications of Privacy-Protection Mechanisms in Location Check-Ins. IEEE Transactions on Mobile Computing, 2018, 17, 760-774.	5.8	28
15	Addressing Beacon re-identification attacks: quantification and mitigation of privacy risks. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 799-805.	4.4	62
16	SQC: secure quality control for meta-analysis of genome-wide association studies. Bioinformatics, 2017, 33, 2273-2280.	4.1	8
17	UnLynx: A Decentralized System for Privacy-Conscious Data Sharing. Proceedings on Privacy Enhancing Technologies, 2017, 2017, 232-250.	2.8	29
18	SmarPer: Context-Aware and Automatic Runtime-Permissions for Mobile Devices. , 2017, , .		64

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19	Privacy-preserving genomic testing in the clinic: a model using HIV treatment. Genetics in Medicine, 2016, 18, 814-822.	2.4	36
20	A privacy-preserving solution for compressed storage and selective retrieval of genomic data. Genome Research, 2016, 26, 1687-1696.	5.5	26
21	A machine-learning based approach to privacy-aware information-sharing in mobile social networks. Pervasive and Mobile Computing, 2016, 25, 125-142.	3.3	40
22	GenoGuard: Protecting Genomic Data against Brute-Force Attacks. , 2015, , .		40
23	Cyber-secure communication architecture for active power distribution networks. , 2014, , .		12
24	User-side adaptive protection of location privacy in participatory sensing. GeoInformatica, 2014, 18, 165-191.	2.7	62
25	Privacy-Preserving Optimal Meeting Location Determination on Mobile Devices. IEEE Transactions on Information Forensics and Security, 2014, 9, 1141-1156.	6.9	38
26	Patient Privacy in the Genomic Era. Praxis, 2014, 103, 579-586.	0.4	10
27	Privacy of Community Pseudonyms in Wireless Peer-to-Peer Networks. Mobile Networks and Applications, 2013, 18, 413-428.	3.3	8
28	Non-Cooperative Location Privacy. IEEE Transactions on Dependable and Secure Computing, 2013, 10, 84-98.	5.4	50
29	Adaptive information-sharing for privacy-aware mobile social networks. , 2013, , .		38
30	Big Brother Knows Your Friends: On Privacy of Social Communities in Pervasive Networks. Lecture Notes in Computer Science, 2012, , 370-387.	1.3	6
31	Secure Distance-Based Localization in the Presence of Cheating Beacon Nodes. IEEE Transactions on Mobile Computing, 2010, 9, 810-823.	5.8	39
32	On the Age of Pseudonyms in Mobile Ad Hoc Networks. , 2010, , .		41
33	Cooperation in underwater sensor networks. , 2009, , .		7
34	Evolution and market share of wireless community networks. , 2009, , .		8
35	GossiCrypt: Wireless Sensor Network Data Confidentiality Against Parasitic Adversaries. , 2008, , .		6
36	Wireless Social Community Networks: A Game-Theoretic Analysis. , 2008, , .		19

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37	Impact of vehicular communications security on transportation safety. , 2008, , .		36
38	COMMON-Sense Net: Improved Water Management for Resource-Poor Farmers via Sensor Networks. , 2006, , .		34
39	Energy-Efficient Broadcasting in All-Wireless Networks. Wireless Networks, 2005, 11, 177-188.	3.0	41
40	Reputation-based Wi-Fi deployment. Mobile Computing and Communications Review, 2005, 9, 69-81.	1.7	19
41	A formal model of rational exchange and its application to the analysis of Syverson's protocol. Journal of Computer Security, 2004, 12, 551-587.	0.8	20
42	Stimulating Cooperation in Self-Organizing Mobile Ad Hoc Networks. Mobile Networks and Applications, 2003, 8, 579-592.	3.3	756
43	Minimum-energy broadcast in all-wireless networks:. , 2002, , .		271
44	GPS-free Positioning in Mobile Ad Hoc Networks. Cluster Computing, 2002, 5, 157-167.	5.0	371
45	How Criminals Profit. , 0, , 19-55.		0