

# Jean-Pierre Hubaux

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,695  
citations

361296

20  
h-index

414303

32  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulating Cooperation in Self-Organizing Mobile Ad Hoc Networks. <i>Mobile Networks and Applications</i> , 2003, 8, 579-592.	2.2	756
2	GPS-free Positioning in Mobile Ad Hoc Networks. <i>Cluster Computing</i> , 2002, 5, 157-167.	3.5	371
3	Minimum-energy broadcast in all-wireless networks:. , 2002, , .		271
4	GA4GH: International policies and standards for data sharing across genomic research and healthcare. <i>Cell Genomics</i> , 2021, 1, 100029.	3.0	94
5	SmarPer: Context-Aware and Automatic Runtime-Permissions for Mobile Devices. , 2017, , .		64
6	Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. <i>Nature Communications</i> , 2021, 12, 5910.	5.8	64
7	User-side adaptive protection of location privacy in participatory sensing. <i>Geoinformatica</i> , 2014, 18, 165-191.	2.0	62
8	Addressing Beacon re-identification attacks: quantification and mitigation of privacy risks. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 799-805.	2.2	62
9	MedCo: Enabling Secure and Privacy-Preserving Exploration of Distributed Clinical and Genomic Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1328-1341.	1.9	58
10	Revolutionizing Medical Data Sharing Using Advanced Privacy-Enhancing Technologies: Technical, Legal, and Ethical Synthesis. <i>Journal of Medical Internet Research</i> , 2021, 23, e25120.	2.1	54
11	Non-Cooperative Location Privacy. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2013, 10, 84-98.	3.7	50
12	POSEIDON: Privacy-Preserving Federated Neural Network Learning. , 2021, , .		43
13	Energy-Efficient Broadcasting in All-Wireless Networks. <i>Wireless Networks</i> , 2005, 11, 177-188.	2.0	41
14	On the Age of Pseudonyms in Mobile Ad Hoc Networks. , 2010, , .		41
15	GenoGuard: Protecting Genomic Data against Brute-Force Attacks. , 2015, , .		40
16	A machine-learning based approach to privacy-aware information-sharing in mobile social networks. <i>Pervasive and Mobile Computing</i> , 2016, 25, 125-142.	2.1	40
17	Secure Distance-Based Localization in the Presence of Cheating Beacon Nodes. <i>IEEE Transactions on Mobile Computing</i> , 2010, 9, 810-823.	3.9	39
18	Adaptive information-sharing for privacy-aware mobile social networks. , 2013, , .		38

#	ARTICLE	IF	CITATIONS
19	Privacy-Preserving Optimal Meeting Location Determination on Mobile Devices. IEEE Transactions on Information Forensics and Security, 2014, 9, 1141-1156.	4.5	38
20	Impact of vehicular communications security on transportation safety. , 2008, , .		36
21	Privacy-preserving genomic testing in the clinic: a model using HIV treatment. Genetics in Medicine, 2016, 18, 814-822.	1.1	36
22	COMMON-Sense Net: Improved Water Management for Resource-Poor Farmers via Sensor Networks. , 2006, , .		34
23	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.	4.5	32
24	Multiparty Homomorphic Encryption from Ring-Learning-with-Errors. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 291-311.	2.3	30
25	UnLynx: A Decentralized System for Privacy-Conscious Data Sharing. Proceedings on Privacy Enhancing Technologies, 2017, 2017, 232-250.	2.3	29
26	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.	3.9	28
27	A privacy-preserving solution for compressed storage and selective retrieval of genomic data. Genome Research, 2016, 26, 1687-1696.	2.4	26
28	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, Isaa010.	0.8	26
29	Scalable Privacy-Preserving Distributed Learning. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 323-347.	2.3	23
30	A formal model of rational exchange and its application to the analysis of Syverson's protocol. Journal of Computer Security, 2004, 12, 551-587.	0.5	20
31	Wireless Social Community Networks: A Game-Theoretic Analysis. , 2008, , .		19
32	Reputation-based Wi-Fi deployment. Mobile Computing and Communications Review, 2005, 9, 69-81.	1.7	19
33	Cyber-secure communication architecture for active power distribution networks. , 2014, , .		12
34	Patient Privacy in the Genomic Era. Praxis, 2014, 103, 579-586.	0.2	10
35	Citizen-centered, auditable and privacy-preserving population genomics. Nature Computational Science, 2021, 1, 192-198.	3.8	10
36	The (Co-)Location Sharing Game. Proceedings on Privacy Enhancing Technologies, 2019, 2019, 5-25.	2.3	10

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37	Evolution and market share of wireless community networks. , 2009, , .		8
38	Privacy of Community Pseudonyms in Wireless Peer-to-Peer Networks. Mobile Networks and Applications, 2013, 18, 413-428.	2.2	8
39	SQC: secure quality control for meta-analysis of genome-wide association studies. Bioinformatics, 2017, 33, 2273-2280.	1.8	8
40	Privacy-preserving federated neural network learning for disease-associated cell classification. Patterns, 2022, 3, 100487.	3.1	8
41	Cooperation in underwater sensor networks. , 2009, , .		7
42	GossiCrypt: Wireless Sensor Network Data Confidentiality Against Parasitic Adversaries. , 2008, , .		6
43	Big Brother Knows Your Friends: On Privacy of Social Communities in Pervasive Networks. Lecture Notes in Computer Science, 2012, , 370-387.	1.0	6
44	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.	2.5	5
45	How Criminals Profit. , 0, , 19-55.		0