

Jean-Pierre Hubaux

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7915206/publications.pdf>

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	Privacy-preserving federated neural network learning for disease-associated cell classification. <i>Patterns</i> , 2022, 3, 100487.	3.1	8
2	Scalable Privacy-Preserving Distributed Learning. <i>Proceedings on Privacy Enhancing Technologies</i> , 2021, 2021, 323-347.	2.3	23
3	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
4	Citizen-centered, auditable and privacy-preserving population genomics. <i>Nature Computational Science</i> , 2021, 1, 192-198.	3.8	10
5	Multiparty Homomorphic Encryption from Ring-Learning-with-Errors. <i>Proceedings on Privacy Enhancing Technologies</i> , 2021, 2021, 291-311.	2.3	30
6	POSEIDON: Privacy-Preserving Federated Neural Network Learning. , 2021, , .		43
7	Truly privacy-preserving federated analytics for precision medicine with multiparty homomorphic encryption. <i>Nature Communications</i> , 2021, 12, 5910.	5.8	64
8	GA4GH: International policies and standards for data sharing across genomic research and healthcare. <i>Cell Genomics</i> , 2021, 1, 100029.	3.0	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€. <i>Journal of Law and the Biosciences</i> , 2020, 7, Isaa010.	0.8	26
10	Drynx: Decentralized, Secure, Verifiable System for Statistical Queries and Machine Learning on Distributed Datasets. <i>IEEE Transactions on Information Forensics and Security</i> , 2020, 15, 3035-3050.	4.5	32
11	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
12	The (Co-)Location Sharing Game. <i>Proceedings on Privacy Enhancing Technologies</i> , 2019, 2019, 5-25.	2.3	10
13	Are privacy-enhancing technologies for genomic data ready for the clinic? A survey of medical experts of the Swiss HIV Cohort Study. <i>Journal of Biomedical Informatics</i> , 2018, 79, 1-6.	2.5	5
14	A Predictive Model for User Motivation and Utility Implications of Privacy-Protection Mechanisms in Location Check-Ins. <i>IEEE Transactions on Mobile Computing</i> , 2018, 17, 760-774.	3.9	28
15	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
16	SQC: secure quality control for meta-analysis of genome-wide association studies. <i>Bioinformatics</i> , 2017, 33, 2273-2280.	1.8	8
17	UnLynx: A Decentralized System for Privacy-Conscious Data Sharing. <i>Proceedings on Privacy Enhancing Technologies</i> , 2017, 2017, 232-250.	2.3	29
18	SmarPer: Context-Aware and Automatic Runtime-Permissions for Mobile Devices. , 2017, , .		64

#	ARTICLE	IF	CITATIONS
19	Privacy-preserving genomic testing in the clinic: a model using HIV treatment. <i>Genetics in Medicine</i> , 2016, 18, 814-822.	1.1	36
20	A privacy-preserving solution for compressed storage and selective retrieval of genomic data. <i>Genome Research</i> , 2016, 26, 1687-1696.	2.4	26
21	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
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. <i>Geoinformatica</i> , 2014, 18, 165-191.	2.0	62
25	Privacy-Preserving Optimal Meeting Location Determination on Mobile Devices. <i>IEEE Transactions on Information Forensics and Security</i> , 2014, 9, 1141-1156.	4.5	38
26	Patient Privacy in the Genomic Era. <i>Praxis</i> , 2014, 103, 579-586.	0.2	10
27	Privacy of Community Pseudonyms in Wireless Peer-to-Peer Networks. <i>Mobile Networks and Applications</i> , 2013, 18, 413-428.	2.2	8
28	Non-Cooperative Location Privacy. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2013, 10, 84-98.	3.7	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. <i>Lecture Notes in Computer Science</i> , 2012, , 370-387.	1.0	6
31	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
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

#	ARTICLE	IF	CITATIONS
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.	2.0	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.	0.5	20
42	Stimulating Cooperation in Self-Organizing Mobile Ad Hoc Networks. Mobile Networks and Applications, 2003, 8, 579-592.	2.2	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.	3.5	371
45	How Criminals Profit. , 0, , 19-55.		0