

Yongsoo Song

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,868
citations

516710

16
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.3	686
2	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
3	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.3	128
4	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	2.6	128
5	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
6	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	1.5	101
7	Toward a Secure Drone System: Flying With Real-Time Homomorphic Authenticated Encryption. IEEE Access, 2018, 6, 24325-24339.	4.2	88
8	Encrypting Controller using Fully Homomorphic Encryption for Security of Cyber-Physical Systems**The work of J. Kim, C. Lee, and H. Shim was supported by ICT R & D program of MSIP/IITP Grant number 14-824-09-013, Resilient Cyber-Physical Systems Research. The work of J. H. Cheon, A. Kim, M. Kim, and Y. Song was supported by IT R & D program of MSIP/KEIT [No. 0450-21060006] and Samsung Electronics Co., Ltd. (No. 0421-20150074).. IFAC-PapersOnLine, 2016, 49, 175-180.	0.9	87
9	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.3	77
10	Improved Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, , 34-54.	1.3	63
11	Ensemble Method for Privacy-Preserving Logistic Regression Based on Homomorphic Encryption. IEEE Access, 2018, 6, 46938-46948.	4.2	51
12	Multi-Key Homomorphic Encryption from TFHE. Lecture Notes in Computer Science, 2019, , 446-472.	1.3	35
13	Lizard: Cut Off the Tail! A Practical Post-quantum Public-Key Encryption from LWE and LWR. Lecture Notes in Computer Science, 2018, , 160-177.	1.3	31
14	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	6.2	30
15	SecureLR: Secure Logistic Regression Model via a Hybrid Cryptographic Protocol. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 113-123.	3.0	26
16	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	1.5	21
17	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.3	17
18	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Privacy-Oriented Technique for COVID-19 Contact Tracing (PROTECT) Using Homomorphic Encryption: Design and Development Study. Journal of Medical Internet Research, 2021, 23, e26371.	4.3	16
20	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. Lecture Notes in Computer Science, 2021, , 460-479.	1.3	15
21	Introduction to Homomorphic Encryption and Schemes. , 2021, , 3-28.		6
22	Approximate Homomorphic Encryption over the Conjugate-Invariant Ring. Lecture Notes in Computer Science, 2019, , 85-102.	1.3	4
23	The discrete logarithm problem with auxiliary inputs. , 2014, , 71-92.		2