

# Yongsoo Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2632394/publications.pdf>

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	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. Lecture Notes in Computer Science, 2021, , 460-479.	1.3	15
2	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
3	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	6.2	30
4	Introduction to Homomorphic Encryption and Schemes. , 2021, , 3-28.		6
5	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	1.5	16
6	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.3	17
7	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
8	Improved Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, , 34-54.	1.3	63
9	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.3	77
10	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
11	Approximate Homomorphic Encryption over the Conjugate-Invariant Ring. Lecture Notes in Computer Science, 2019, , 85-102.	1.3	4
12	Multi-Key Homomorphic Encryption from TFHE. Lecture Notes in Computer Science, 2019, , 446-472.	1.3	35
13	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.3	128
14	Toward a Secure Drone System: Flying With Real-Time Homomorphic Authenticated Encryption. IEEE Access, 2018, 6, 24325-24339.	4.2	88
15	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	1.5	101
16	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
17	Ensemble Method for Privacy-Preserving Logistic Regression Based on Homomorphic Encryption. IEEE Access, 2018, 6, 46938-46948.	4.2	51
18	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

#	ARTICLE	IF	CITATIONS
19	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	2.6	128
20	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.3	686
21	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	1.5	21
22	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
23	The discrete logarithm problem with auxiliary inputs. , 2014, , 71-92.		2