

Miran Kim

List of Publications by Year in descending order

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43
papers

2,339
citations

331259

21
h-index

315357

38
g-index

47
all docs

47
docs citations

47
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.0	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.	1.0	128
4	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	1.3	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.	0.7	101
7	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.	0.5	87
8	PLASTID DYNAMICS DURING SURVIVAL OF <i>DINOPHYSIS CAUDATA</i> WITHOUT ITS CILIATE PREY. Journal of Phycology, 2008, 44, 1154-1163.	1.0	86
9	Homomorphic Computation of Edit Distance. Lecture Notes in Computer Science, 2015, , 194-212.	1.0	82
10	Private genome analysis through homomorphic encryption. BMC Medical Informatics and Decision Making, 2015, 15, S3.	1.5	78
11	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.0	77
12	HEALER: homomorphic computation of ExAct Logistic rEgression for secure rare disease variants analysis in GWAS. Bioinformatics, 2016, 32, 211-218.	1.8	76
13	<i>DINOPHYSIS CAUDATA</i> (DINOPHYCEAE) SEQUESTERS AND RETAINS PLASTIDS FROM THE MIXOTROPHIC CILIATE PREY <i>MESODINIUM RUBRUM</i> . Journal of Phycology, 2012, 48, 569-579.	1.0	57
14	Optimized Search-and-Compute Circuits and Their Application to Query Evaluation on Encrypted Data. IEEE Transactions on Information Forensics and Security, 2016, 11, 188-199.	4.5	44
15	Secure and Differentially Private Logistic Regression for Horizontally Distributed Data. IEEE Transactions on Information Forensics and Security, 2020, 15, 695-710.	4.5	41
16	The marine dinoflagellate genus <i>Dinophysis</i> can retain plastids of multiple algal origins at the same time. Harmful Algae, 2012, 13, 105-111.	2.2	33
17	SCOR: A secure international informatics infrastructure to investigate COVID-19. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1721-1726.	2.2	31
18	Active uptake of kleptoplastids by <i>Dinophysis caudata</i> from its ciliate prey <i>Myrionecta rubra</i> . Aquatic Microbial Ecology, 2011, 62, 99-108.	0.9	31

#	ARTICLE	IF	CITATIONS
19	DOES DINOPHYSIS CAUDATA (DINOPHYCEAE) HAVE PERMANENT PLASTIDS?. <i>Journal of Phycology</i> , 2010, 46, 236-242.	1.0	30
20	Search-and-Compute on Encrypted Data. <i>Lecture Notes in Computer Science</i> , 2015, , 142-159.	1.0	30
21	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. <i>Cell Systems</i> , 2021, 12, 1108-1120.e4.	2.9	30
22	SecureLR: Secure Logistic Regression Model via a Hybrid Cryptographic Protocol. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 113-123.	1.9	26
23	Dynamics of Sequestered Cryptophyte Nuclei in <i>Mesodinium rubrum</i> during Starvation and Refeeding. <i>Frontiers in Microbiology</i> , 2017, 8, 423.	1.5	25
24	PREY SPECIFICITY AND FEEDING OF THE THECATE MIXOTROPHIC DINOFLAGELLATE <i>FRAGILIDIUM DUPLOCAMPANAEFORME</i> . <i>Journal of Phycology</i> , 2010, 46, 424-432.	1.0	21
25	Secure searching of biomarkers through hybrid homomorphic encryption scheme. <i>BMC Medical Genomics</i> , 2017, 10, 42.	0.7	21
26	A Dinoflagellate <i>Amylax triacantha</i> with Plastids of the Cryptophyte Origin: Phylogeny, Feeding Mechanism, and Growth and Grazing Responses. <i>Journal of Eukaryotic Microbiology</i> , 2013, 60, 363-376.	0.8	20
27	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 31-59.	1.0	17
28	Revisiting the taxonomy of the "Dinophysis acuminata complex" (Dinophyta). <i>Harmful Algae</i> , 2019, 88, 101657.	2.2	16
29	Semi-Parallel logistic regression for GWAS on encrypted data. <i>BMC Medical Genomics</i> , 2020, 13, 99.	0.7	16
30	Limits to the cellular control of sequestered cryptophyte prey in the marine ciliate <i>Mesodinium rubrum</i> . <i>ISME Journal</i> , 2021, 15, 1056-1072.	4.4	15
31	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. <i>Lecture Notes in Computer Science</i> , 2021, , 460-479.	1.0	15
32	The Effect of Starvation on Plastid Number and Photosynthetic Performance in the Kleptoplastidic Dinoflagellate <i>Amylax triacantha</i> . <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 354-363.	0.8	12
33	Fate of green plastids in <i>Dinophysis caudata</i> following ingestion of the benthic ciliate <i>Mesodinium coatsi</i> : Ultrastructure and <i>psbA</i> gene. <i>Harmful Algae</i> , 2015, 43, 66-73.	2.2	7
34	Cyanobiont genetic diversity and host specificity of cyanobiont-bearing dinoflagellate <i>Ornithocercus</i> in temperate coastal waters. <i>Scientific Reports</i> , 2021, 11, 9458.	1.6	6
35	<i>Mesodinium rubrum</i> : The symbiosis that wasn't. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1040-E1042.	3.3	5
36	Growth and Chloroplast Replacement of the Benthic Mixotrophic Ciliate <i>Mesodinium coatsi</i> . <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 625-636.	0.8	5

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37	Physiological Responses of <i>Mesodinium major</i> to Irradiance, Prey Concentration and Prey Starvation. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12854.	0.8	5
38	Phased cell division and facultative mixotrophy of the marine dinoflagellate <i>Fragilidium duplocampanaeforme</i> and its trophic interactions with the dinoflagellates <i>Dinophysis</i> spp. and a ciliate <i>Mesodinium rubrum</i> . <i>Harmful Algae</i> , 2015, 43, 20-30.	2.2	4
39	Unveiling the hidden genetic diversity and chloroplast type of marine benthic ciliate <i>Mesodinium</i> species. <i>Scientific Reports</i> , 2019, 9, 14081.	1.6	4
40	Parasite-mediated increase in prey edibility in the predator-prey interaction of marine planktonic protists. <i>Harmful Algae</i> , 2021, 103, 101982.	2.2	3
41	A secure system for genomics clinical decision support. <i>Journal of Biomedical Informatics</i> , 2020, 112, 103602.	2.5	1
42	Semi-daily Variations in Populations of the Dinoflagellates <i>Dinophysis acuminata</i> and <i>Oxyphysis oxytoxoides</i> and a Mixotrophic Ciliate Prey <i>Mesodinium rubrum</i> in Masan Bay. <i>Pada (Han'guk Haeyang) Tj ETQq0 00.3gBT /Overlock 10</i>	0.3	1
43	Homomorphic Computation of Local Alignment. , 2020, , .		0