

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
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47
all docs

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docs citations

47
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits to the cellular control of sequestered cryptophyte prey in the marine ciliate <i>Mesodinium rubrum</i> . ISME Journal, 2021, 15, 1056-1072.	4.4	15
2	Efficient Homomorphic Conversion Between (Ring) LWE Ciphertexts. Lecture Notes in Computer Science, 2021, , 460-479.	1.0	15
3	Parasite-mediated increase in prey edibility in the predator-prey interaction of marine planktonic protists. Harmful Algae, 2021, 103, 101982.	2.2	3
4	Cyanobiont genetic diversity and host specificity of cyanobiont-bearing dinoflagellate <i>Ornithocercus</i> in temperate coastal waters. Scientific Reports, 2021, 11, 9458.	1.6	6
5	Physiological Responses of <i>Mesodinium</i> major to Irradiance, Prey Concentration and Prey Starvation. Journal of Eukaryotic Microbiology, 2021, 68, e12854.	0.8	5
6	Ultrafast homomorphic encryption models enable secure outsourcing of genotype imputation. Cell Systems, 2021, 12, 1108-1120.e4.	2.9	30
7	Secure and Differentially Private Logistic Regression for Horizontally Distributed Data. IEEE Transactions on Information Forensics and Security, 2020, 15, 695-710.	4.5	41
8	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
9	A secure system for genomics clinical decision support. Journal of Biomedical Informatics, 2020, 112, 103602.	2.5	1
10	Semi-Parallel logistic regression for GWAS on encrypted data. BMC Medical Genomics, 2020, 13, 99.	0.7	16
11	Maliciously Secure Matrix Multiplication with Applications to Private Deep Learning. Lecture Notes in Computer Science, 2020, , 31-59.	1.0	17
12	Homomorphic Computation of Local Alignment. , 2020, , .		0
13	SecureLR: Secure Logistic Regression Model via a Hybrid Cryptographic Protocol. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 113-123.	1.9	26
14	Unveiling the hidden genetic diversity and chloroplast type of marine benthic ciliate <i>Mesodinium</i> species. Scientific Reports, 2019, 9, 14081.	1.6	4
15	Revisiting the taxonomy of the "Dinophysis acuminata complex" (Dinophyta). Harmful Algae, 2019, 88, 101657.	2.2	16
16	A Full RNS Variant of Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2019, 11349, 347-368.	1.0	77
17	Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference. , 2019, , .		102
18	Growth and Chloroplast Replacement of the Benthic Mixotrophic Ciliate <i>Mesodinium coatsi</i> . Journal of Eukaryotic Microbiology, 2019, 66, 625-636.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Bootstrapping for Approximate Homomorphic Encryption. Lecture Notes in Computer Science, 2018, , 360-384.	1.0	128
20	Logistic regression model training based on the approximate homomorphic encryption. BMC Medical Genomics, 2018, 11, 83.	0.7	101
21	Secure Outsourced Matrix Computation and Application to Neural Networks. , 2018, 2018, 1209-1222.		131
22	Secure Logistic Regression Based on Homomorphic Encryption: Design and Evaluation. JMIR Medical Informatics, 2018, 6, e19.	1.3	128
23	Mesodinium rubrum: The symbiosis that wasn't. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1040-E1042.	3.3	5
24	Homomorphic Encryption for Arithmetic of Approximate Numbers. Lecture Notes in Computer Science, 2017, , 409-437.	1.0	686
25	Secure searching of biomarkers through hybrid homomorphic encryption scheme. BMC Medical Genomics, 2017, 10, 42.	0.7	21
26	Dynamics of Sequestered Cryptophyte Nuclei in Mesodinium rubrum during Starvation and Refeeding. Frontiers in Microbiology, 2017, 8, 423.	1.5	25
27	HEALER: homomorphic computation of ExAct Logistic rEgRession for secure rare disease variants analysis in GWAS. Bioinformatics, 2016, 32, 211-218.	1.8	76
28	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
29	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
30	Private genome analysis through homomorphic encryption. BMC Medical Informatics and Decision Making, 2015, 15, S3.	1.5	78
31	Search-and-Compute on Encrypted Data. Lecture Notes in Computer Science, 2015, , 142-159.	1.0	30
32	Phased cell division and facultative mixotrophy of the marine dinoflagellate Fragilidium duplocampanaeforme and its trophic interactions with the dinoflagellates Dinophysis spp. and a ciliate Mesodinium rubrum. Harmful Algae, 2015, 43, 20-30.	2.2	4
33	Fate of green plastids in Dinophysis caudata following ingestion of the benthic ciliate Mesodinium coatsi: Ultrastructure and psbA gene. Harmful Algae, 2015, 43, 66-73.	2.2	7
34	Homomorphic Computation of Edit Distance. Lecture Notes in Computer Science, 2015, , 194-212.	1.0	82
35	Semi-daily Variations in Populations of the Dinoflagellates Dinophysis acuminata and Oxyphysis oxytoxoides and a Mixotrophic Ciliate Prey Mesodinium rubrum in Masan Bay. Pada (Han'guk Haeyang) Tj ETQq1 1 @.3784314rgBT /O		
36	The Effect of Starvation on Plastid Number and Photosynthetic Performance in the Kleptoplastidic Dinoflagellate <i>Amylax triacantha</i>. Journal of Eukaryotic Microbiology, 2014, 61, 354-363.	0.8	12

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37	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
38	The marine dinoflagellate genus <i>Dinophysis</i> can retain plastids of multiple algal origins at the same time. <i>Harmful Algae</i> , 2012, 13, 105-111.	2.2	33
39	<i>DINOPHYSIS CAUDATA</i> (DINOPHYCEAE) SEQUESTERS AND RETAINS PLASTIDS FROM THE MIXOTROPHIC CILIATE PREY <i>MESODINIUM RUBRUM</i> . <i>Journal of Phycology</i> , 2012, 48, 569-579.	1.0	57
40	Active uptake of kleptoplastids by <i>Dinophysis caudata</i> from its ciliate prey <i>Myrionecta rubra</i> . <i>Aquatic Microbial Ecology</i> , 2011, 62, 99-108.	0.9	31
41	DOES <i>DINOPHYSIS CAUDATA</i> (DINOPHYCEAE) HAVE PERMANENT PLASTIDS?. <i>Journal of Phycology</i> , 2010, 46, 236-242.	1.0	30
42	PREY SPECIFICITY AND FEEDING OF THE THECATE MIXOTROPHIC DINOFLAGELLATE <i>FRAGILIDIUM DUPLOCAMPANAIFORME</i> . <i>Journal of Phycology</i> , 2010, 46, 424-432.	1.0	21
43	PLASTID DYNAMICS DURING SURVIVAL OF <i>DINOPHYSIS CAUDATA</i> WITHOUT ITS CILIATE PREY. <i>Journal of Phycology</i> , 2008, 44, 1154-1163.	1.0	86