

# Takao Murakami

## List of Publications by Year in descending order

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33  
papers

343  
citations

933447

10  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

277  
citing authors

#	ARTICLE	IF	CITATIONS
1	A measure of information gained through biometric systems. Image and Vision Computing, 2014, 32, 1194-1203.	4.5	65
2	Cancelable Permutation-Based Indexing for Secure and Efficient Biometric Identification. IEEE Access, 2019, 7, 45563-45582.	4.2	27
3	Fuzzy Signatures: Relaxing Requirements and a New Construction. Lecture Notes in Computer Science, 2016, , 97-116.	1.3	22
4	Optimal sequential fusion for multibiometric cryptosystems. Information Fusion, 2016, 32, 93-108.	19.1	21
5	A Signature Scheme with a Fuzzy Private Key. Lecture Notes in Computer Science, 2015, , 105-126.	1.3	20
6	Fast and accurate biometric identification using score level indexing and fusion. , 2011, , .		17
7	A Secure and Practical Signature Scheme for Blockchain Based on Biometrics. Lecture Notes in Computer Science, 2017, , 877-891.	1.3	17
8	Localization Attacks Using Matrix and Tensor Factorization. IEEE Transactions on Information Forensics and Security, 2016, 11, 1647-1660.	6.9	14
9	Expectation-Maximization Tensor Factorization for Practical Location Privacy Attacks. Proceedings on Privacy Enhancing Technologies, 2017, 2017, 138-155.	2.8	13
10	Group Sparsity Tensor Factorization for Re-Identification of Open Mobility Traces. IEEE Transactions on Information Forensics and Security, 2017, 12, 689-704.	6.9	12
11	Signature schemes with a fuzzy private key. International Journal of Information Security, 2019, 18, 581-617.	3.4	12
12	Local Obfuscation Mechanisms for Hiding Probability Distributions. Lecture Notes in Computer Science, 2019, , 128-148.	1.3	12
13	Accuracy improvement with high convenience in biometric identification using multihypothesis sequential probability ratio test. , 2009, , .		11
14	Cancelable indexing based on low-rank approximation of correlation-invariant random filtering for fast and secure biometric identification. Pattern Recognition Letters, 2019, 126, 11-20.	4.2	11
15	Towards optimal countermeasures against wolves and lambs in biometrics. , 2012, , .		10
16	Toward Optimal Fusion Algorithms With Security Against Wolves and Lambs in Biometrics. IEEE Transactions on Information Forensics and Security, 2014, 9, 259-271.	6.9	9
17	Group Sparsity Tensor Factorization for De-anonymization of Mobility Traces. , 2015, , .		9
18	Local Distribution Obfuscation via Probability Coupling. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	Information-theoretic performance evaluation of likelihood-ratio based biometric score fusion under modality selection attacks. , 2015, , .		5
20	On the Anonymization of Differentially Private Location Obfuscation. , 2018, , .		4
21	Versatile probability-based indexing for approximate similarity search. , 2011, , .		3
22	Probabilistic enhancement of approximate indexing in metric spaces. Information Systems, 2013, 38, 1007-1018.	3.6	3
23	Privacy-Preserving Multiple Tensor Factorization for Synthesizing Large-Scale Location Traces with Cluster-Specific Features. Proceedings on Privacy Enhancing Technologies, 2021, 2021, 5-26.	2.8	3
24	Information-Theoretic Performance Evaluation of Multibiometric Fusion under Modality Selection Attacks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 929-942.	0.3	3
25	A Succinct Model for Re-identification of Mobility Traces Based on Small Training Data. , 2018, , .		3
26	Location prediction attacks using tensor factorization and optimal defenses. , 2014, , .		2
27	On restricting modalities in likelihood-ratio based biometric score fusion. , 2016, , .		2
28	Locality Sensitive Hashing with Extended Differential Privacy. Lecture Notes in Computer Science, 2021, , 563-583.	1.3	2
29	How to Handle Excessively Anonymized Datasets. Journal of Information Processing, 2018, 26, 477-485.	0.4	2
30	Exposing Private User Behaviors of Collaborative Filtering via Model Inversion Techniques. Proceedings on Privacy Enhancing Technologies, 2020, 2020, 264-283.	2.8	1
31	A General Framework and Algorithms for Score Level Indexing and Fusion in Biometric Identification. IEICE Transactions on Information and Systems, 2014, E97.D, 510-523.	0.7	0
32	Modality Selection Attacks and Modality Restriction in Likelihood-Ratio Based Biometric Score Fusion. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 3023-3037.	0.3	0
33	A Generalization of the Theory of Biometric System Entropy. , 2018, , .		0