

Da-Wei Wang

List of Publications by Year in descending order

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58
papers

615
citations

687363

13
h-index

677142

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58
all docs

58
docs citations

58
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	A High Speed Detection Platform Based on Surface-Enhanced Raman Scattering for Monitoring Antibiotic-Induced Chemical Changes in Bacteria Cell Wall. PLoS ONE, 2009, 4, e5470.	2.5	144
2	Representative Contact Diaries for Modeling the Spread of Infectious Diseases in Taiwan. PLoS ONE, 2012, 7, e45113.	2.5	56
3	Medical privacy protection based on granular computing. Artificial Intelligence in Medicine, 2004, 32, 137-149.	6.5	29
4	Membrane Targeting and Coupling of NHE1-Integrin α 5 β 3-NCX1 by Lipid Rafts following Integrin-Ligand Interactions Trigger Ca ²⁺ Oscillations. Journal of Biological Chemistry, 2009, 284, 3855-3864.	3.4	25
5	Exploiting Spectral Reuse in Routing, Resource Allocation, and Scheduling for IEEE 802.16 Mesh Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 301-313.	6.3	23
6	Toward Empirical Aspects of Secure Scalar Product. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 440-447.	2.9	23
7	Preserving confidentiality when sharing medical database with the Cellsecu system. International Journal of Medical Informatics, 2003, 71, 17-23.	3.3	22
8	Efficient Simulation of the Spatial Transmission Dynamics of Influenza. PLoS ONE, 2010, 5, e13292.	2.5	20
9	A logical framework for privacy-preserving social network publication. Journal of Applied Logic, 2014, 12, 151-174.	1.1	17
10	Secrecy of Two-Party Secure Computation. Lecture Notes in Computer Science, 2005, , 114-123.	1.3	16
11	Determinants of Receiving the Pandemic (H1N1) 2009 Vaccine and Intention to Receive the Seasonal Influenza Vaccine in Taiwan. PLoS ONE, 2014, 9, e101083.	2.5	16
12	Floating Point Arithmetic Protocols for Constructing Secure Data Analysis Application. Procedia Computer Science, 2013, 22, 152-161.	2.0	15
13	Sensible Functional Linear Discriminant Analysis Effectively Discriminates Enhanced Raman Spectra of <i>Mycobacterium</i> Species. Analytical Chemistry, 2021, 93, 2785-2792.	6.5	15
14	A Logical Model for Privacy Protection. Lecture Notes in Computer Science, 2001, , 110-124.	1.3	15
15	Information-Theoretically Secure Number-Product Protocol. , 2007, , .		12
16	Exploiting Spectral Reuse in Resource Allocation, Scheduling, and Routing for IEEE 802.16 Mesh Networks. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	12
17	On avoidable and unavoidable claws. Discrete Mathematics, 1998, 184, 259-265.	0.7	11
18	Privacy Protection in Social Network Data Disclosure Based on Granular Computing. , 2006, , .		11

#	ARTICLE	IF	CITATIONS
19	Towards efficient privacy-preserving collaborative recommender systems. , 2008, , .		11
20	An epistemic framework for privacy protection in database linking. Data and Knowledge Engineering, 2007, 61, 176-205.	3.4	9
21	Towards Empirical Aspects of Secure Scalar Product. , 2008, , .		9
22	Information Theoretical Analysis of Two-Party Secret Computation. Lecture Notes in Computer Science, 2006, , 310-317.	1.3	9
23	Stepped Changes of Monovalent Ligand-binding Force during Ligand-induced Clustering of Integrin $\alpha 5 \beta 1$. Journal of Biological Chemistry, 2006, 281, 25466-25474.	3.4	7
24	How Much Privacy? "A System to Safe Guard Personal Privacy while Releasing Databases. Lecture Notes in Computer Science, 2002, , 226-233.	1.3	7
25	Reduction optimization in heterogeneous cluster environments. , 0, , .		6
26	An Aspect-Oriented Approach to Privacy-Aware Access Control. , 2007, , .		6
27	Scalar-product based secure two-party computation. , 2008, , .		6
28	Value versus damage of information release: A data privacy perspective. International Journal of Approximate Reasoning, 2006, 43, 179-201.	3.3	5
29	Generalized Edge Coloring for Channel Assignment in Wireless Networks. , 0, , .		5
30	Disrupted metabolic connectivity in dopaminergic and cholinergic networks at different stages of dementia from 18F-FDG PET brain persistent homology network. Scientific Reports, 2021, 11, 5396.	3.3	5
31	On the Damage and Compensation of Privacy Leakage. , 2004, , 311-324.		4
32	Hybrid SVM/CART classification of pathogenic species of bacterial meningitis with surface-enhanced Raman scattering. , 2010, , .		4
33	Cost-Sensitive Classification on Pathogen Species of Bacterial Meningitis by Surface Enhanced Raman Scattering. , 2011, , .		4
34	Applications of optical tweezers and an integrated force measurement module for biomedical research. , 2000, 4082, 213.		3
35	Rooted Spanning Trees in Tournaments. Graphs and Combinatorics, 2000, 16, 411-427.	0.4	3
36	Efficient parallel I/O scheduling in the presence of data duplication. , 2003, , .		3

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37	Two Variations of the Minimum Steiner Problem. Journal of Combinatorial Optimization, 2005, 9, 101-120.	1.3	3
38	A Multiscale Approach for Surface-enhanced Raman Spectroscopy (SERS) Spectrum Representation and its Application to Bacterial Discrimination. , 2008, , .		3
39	An Approximation Algorithm and Dynamic Programming for Reduction in Heterogeneous Environments. Algorithmica, 2009, 53, 425-453.	1.3	3
40	Logical definability in social position analysis. , 2008, , .		2
41	Multiscale Peak Identification for Bacterial SERS Spectra. , 2009, , .		2
42	An Empirical Study on Privacy and Secure Multi-party Computation Using Exponentiation. , 2009, , .		2
43	Privacy-Preserving Social Network Publication Based on Positional Indiscernibility. Lecture Notes in Computer Science, 2013, , 311-324.	1.3	2
44	Onk-ary spanning trees of tournaments. Journal of Graph Theory, 1999, 30, 167-176.	0.9	1
45	Bounds on the client-server incremental computing. , 2004, , .		1
46	Attribute-oriented Granulation for Privacy Protection. , 0, , .		1
47	Applying Deep Learning for Surrogate Construction of Simulation Systems. Advances in Intelligent Systems and Computing, 2019, , 335-350.	0.6	1
48	Changing of Spreading Dynamics for Infectious Diseases in an Aging Society: A Simulation Case Study on Flu Pandemic. , 2021, , .		1
49	A GrC-Based Approach to Social Network Data Protection. Lecture Notes in Computer Science, 2006, , 438-447.	1.3	1
50	Simple and Efficient Algorithms to Get a Finer Resolution in a Stochastic Discrete Time Agent-Based Simulation. Advances in Intelligent Systems and Computing, 2014, , 97-109.	0.6	1
51	Toward Automatic Reporting of Infectious Diseases. Studies in Health Technology and Informatics, 2017, 245, 808-812.	0.3	1
52	Optimal Branch Location for Cost-effective Inference on Branchynet. , 2021, , .		1
53	Household Structure Projection: A Monte-Carlo based Approach. , 2022, , .		1
54	A Scripting Language for Automating Secure Multiparty Computation. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
55	A Probabilistic Hybrid Logic for Sanitized Information Systems. Lecture Notes in Computer Science, 2012, , 500-513.	1.3	0
56	Study Simulated Epidemics with Deep Learning. , 2019, , .		0
57	Granulation as a Privacy Protection Mechanism. , 2007, , 256-273.		0
58	Changing of Spreading Dynamics for Infectious Diseases in an Aging Society: A Simulation Case Study on Flu Pandemic. , 2021, , .		0