Shuangqing Wei

List of Publications by Year
in descending order

71	762	840776	580821
papers	citations	11	25
		h-index	g-index

71	71	71	526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical and Stable Multiagent Reinforcement Learning for Cooperative Navigation Control. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 90-103.	11.3	6
2	Identifying diabetes from conjunctival images using a novel hierarchical multi-task network. Scientific Reports, 2022, 12, 264.	3.3	3
3	VAE-KRnet and Its Applications to Variational Bayes. Communications in Computational Physics, 2022, 31, 1049-1082.	1.7	3
4	Finite Blocklength Analysis of Gaussian Random Coding in AWGN Channels Under Covert Constraint. IEEE Transactions on Information Forensics and Security, 2021, 16, 1261-1274.	6.9	9
5	A Semi-Centralized Dynamic Key Management Framework for In-Vehicle Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 10864-10879.	6.3	7
6	Information-Bottleneck-Based Behavior Representation Learning for Multi-Agent Reinforcement Learning. , 2021, , .		0
7	A Semi-centralized Security Framework for In-Vehicle Networks. , 2020, , .		3
8	Latent Factor Analysis of Gaussian Distributions under Graphical Constraints. , 2020, , .		1
9	Stabilizing Multi-Agent Deep Reinforcement Learning by Implicitly Estimating Other Agents' Behaviors. , 2020, , .		3
10	Coupling the reduced-order model and the generative model for an importance sampling estimator. Journal of Computational Physics, 2020, 408, 109281.	3.8	6
11	On the Secret Key Capacity of Sibling Hidden Markov Models. IEEE Transactions on Information Forensics and Security, 2019, 14, 514-524.	6.9	1
12	Algebraic Properties of Wyner Common Information Solution under Graphical Constraints. , 2019, , .		1
13	One-shot achievability and converse bounds of Gaussian random coding in AWGN channels under covert constraint. , 2019, , .		4
14	Chernoff information between Gaussian trees. Information Sciences, 2018, 453, 442-462.	6.9	0
15	Non-Adaptive Sequential Detection of Active Edge-Wise Disjoint Subgraphs Under Privacy Constraints. IEEE Transactions on Information Forensics and Security, 2018, 13, 1615-1625.	6.9	1
16	Partition of Random Items: Tradeoff between Binning Utility and Meta Information Leakage. , 2018, , .		1
17	Estimation of RFID Tag Population Size by Gaussian Estimator. , 2018, , .		3
18	Topological and Algebraic Properties of Chernoff Information between Gaussian Graphs. , 2018, , .		1

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19	Traffic-Aware Joint Allocation of Uplink Control and Communication Channels in Multicast Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 541-549.	6.3	0
20	Asymptotic converse bound for secret key capacity in hidden Markov model. , 2017, , .		4
21	Algebraic properties of solutions to common information of Gaussian vectors under sparse graphical constraints. , 2017, , .		2
22	Sequential Detection of Disjoint Subgraphs over Boolean MAC Channels: A Probabilistic Approach. , 2016, , .		3
23	Extractable Common Randomness From Gaussian Trees: Topological and Algebraic Perspectives. IEEE Transactions on Information Forensics and Security, 2016, 11, 2312-2321.	6.9	3
24	Secret Common Randomness From Routing Metadata in Ad Hoc Networks. IEEE Transactions on Information Forensics and Security, 2016, 11, 1674-1684.	6.9	16
25	A joint Shannon cipher and privacy amplification approach to attaining exponentially decaying information leakage. Information Sciences, 2016, 357, 6-22.	6.9	4
26	Chernoff information of bottleneck Gaussian trees. , 2016, , .		4
27	Synthesis of Gaussian trees with correlation sign ambiguity: An information theoretic approach. , 2016, , .		4
28	Topological and Algebraic Properties for Classifying Unrooted Gaussian Trees under Privacy Constraints. , 2015, , .		1
29	Efficient Link Cuts in Online Social Networks. , 2015, , .		0
30	Optimal admission and preemption control in finite-source loss systems. Operations Research Letters, 2015, 43, 241-246.	0.7	5
31	Effects of downsampling on statistics of discrete-time semi-Markov processes. , 2015, , .		0
32	Detection of graph structures via communications over a multiaccess Boolean channel. , 2015, , .		2
33	Optimal call admission and preemption control for public safety communications. , 2015, , .		2
34	Evaluation of security robustness against information leakage in Gaussian polytree graphical models. , 2015, , .		4
35	Partition Information and its Transmission Over Boolean Multi-Access Channels. IEEE Transactions on Information Theory, 2015, 61, 1010-1027.	2.4	14
36	Analysis of degrees of freedom under mixture Gaussian model in cognitive radio systems. Physical Communication, 2015, 16, 1-13.	2.1	1

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37	Asymptotic Error Free Partitioning Over Noisy Boolean Multiaccess Channels. IEEE Transactions on Information Theory, 2015, 61, 6168-6181.	2.4	2
38	Statistical Characterization of Decryption Errors in Block-Ciphered Systems. IEEE Transactions on Communications, 2015, 63, 4363-4376.	7.8	10
39	Achievable partition information rate over noisy multi-access Boolean channel. , 2014, , .		11
40	Transmission of partitioning information over non-adaptive multi-access Boolean channel. , 2014, , .		3
41	Topological and Algebraic Properties for Classifying Unrooted Gaussian Trees under Privacy Constraints. , 2014, , .		0
42	Efficient Link Cuts in Online Social Networks. , 2014, , .		0
43	Degrees-of-freedom and interference tradeoff for a mix-Gaussian cognitive radio channel. , 2013, , .		1
44	An end-to-end exponentially secure secrecy scheme against an unbounded adversary. , 2013, , .		1
45	ARQ-Based Symmetric-Key Generation Over Correlated Erasure Channels. IEEE Transactions on Information Forensics and Security, 2013, 8, 1152-1161.	6.9	5
46	Trade-Off Between Security and Performance in Block Ciphered Systems With Erroneous Ciphertexts. IEEE Transactions on Information Forensics and Security, 2013, 8, 636-645.	6.9	23
47	Secrecy enhancement of block ciphered systems with deliberate noise in Non-coherent scenario. , 2013, , .		1
48	Linear cryptanalysis against block ciphered system under noisy ciphertexts. , 2012, , .		5
49	Enhancement of Secrecy of Block Ciphered Systems by Deliberate Noise. IEEE Transactions on Information Forensics and Security, 2012, 7, 1604-1613.	6.9	18
50	ARQ-based key scheduling algorithm over correlated erasure channels. , 2012, , .		0
51	CSI Usage over Parallel Fading Channels under Jamming Attacks: A Game Theory Study. IEEE Transactions on Communications, 2012, 60, 1167-1175.	7.8	21
52	Feedback-Based Collaborative Secrecy Encoding Over Binary Symmetric Channels. IEEE Transactions on Information Theory, 2012, 58, 5248-5266.	2.4	10
53	Half-Duplex Active Eavesdropping in Fast-Fading Channels: A Block-Markov Wyner Secrecy Encoding Scheme. IEEE Transactions on Information Theory, 2012, 58, 4660-4677.	2.4	30
54	Design and analysis of an ARQ based symmetric key generation algorithm. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
55	Creation of degraded wiretap channel through deliberate noise in block ciphered systems. , 2011, , .		4
56	Convergence of the Complex Envelope of Bandlimited OFDM Signals. IEEE Transactions on Information Theory, 2010, 56, 4893-4904.	2.4	87
57	Approximation Algorithms for Minimum Energy Transmission Scheduling in Rate and Duty-Cycle Constrained Wireless Networks. IEEE/ACM Transactions on Networking, 2010, 18, 296-306.	3.8	2
58	Mixed anti-jamming strategies in fixed-rate wireless systems over fast fading channels. , 2009, , .		3
59	Active eavesdropping in fast fading channels. , 2009, , .		3
60	Sigma-Delta ADC Based Distributed Detection in Wireless Sensor Networks. , 2007, , .		0
61	Spreading Sequence-Based Non-coherent Sensor Fusion and its Resulting Large Deviation Exponents. , 2007, , .		4
62	Adaptive Signaling Based on Statistical Characterizations of Outdated Feedback in Wireless Communications. Proceedings of the IEEE, 2007, 95, 2337-2353.	21.3	20
63	Diversity–Multiplexing Tradeoff of Asynchronous Cooperative Diversity in Wireless Networks. IEEE Transactions on Information Theory, 2007, 53, 4150-4172.	2.4	59
64	Strategic Versus Collaborative Power Control in Relay Fading Channels. , 2006, , .		6
65	Asynchronous cooperative diversity. IEEE Transactions on Wireless Communications, 2006, 5, 1547-1557.	9.2	228
66	Using Misbehavior to Analyze Strategic versus Aggregate Energy Minimization in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2006, 2, 225-249.	2.2	3
67	Channel Capacity and Dirty Paper Coding for Gaussian Channels with Additive and Multiplicative Interferences. , 2006, , .		1
68	On the asymptotic capacity of MIMO systems with antenna arrays of fixed length. IEEE Transactions on Wireless Communications, 2005, 4, 1608-1621.	9.2	31
69	On the minimax robustness of the uniform transmission power strategy in MIMO systems. IEEE Communications Letters, 2003, 7, 523-524.	4.1	12
70	Error statistics for average power measurements in wireless communication systems. IEEE Transactions on Communications, 2002, 50, 1535-1546.	7.8	13
71	On Superposition Coding Based Cooperative Diversity Schemes. , 0, , .		18