

# Shuangqing Wei

## List of Publications by Year in descending order

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71  
papers

762  
citations

840728

11  
h-index

580810

25  
g-index

71  
all docs

71  
docs citations

71  
times ranked

526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asynchronous cooperative diversity. IEEE Transactions on Wireless Communications, 2006, 5, 1547-1557.	9.2	228
2	Convergence of the Complex Envelope of Bandlimited OFDM Signals. IEEE Transactions on Information Theory, 2010, 56, 4893-4904.	2.4	87
3	Diversityâ€“Multiplexing Tradeoff of Asynchronous Cooperative Diversity in Wireless Networks. IEEE Transactions on Information Theory, 2007, 53, 4150-4172.	2.4	59
4	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
5	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
6	Trade-Off Between Security and Performance in Block Ciphred Systems With Erroneous Ciphertexts. IEEE Transactions on Information Forensics and Security, 2013, 8, 636-645.	6.9	23
7	CSI Usage over Parallel Fading Channels under Jamming Attacks: A Game Theory Study. IEEE Transactions on Communications, 2012, 60, 1167-1175.	7.8	21
8	Adaptive Signaling Based on Statistical Characterizations of Outdated Feedback in Wireless Communications. Proceedings of the IEEE, 2007, 95, 2337-2353.	21.3	20
9	On Superposition Coding Based Cooperative Diversity Schemes. , 0, , .		18
10	Enhancement of Secrecy of Block Ciphred Systems by Deliberate Noise. IEEE Transactions on Information Forensics and Security, 2012, 7, 1604-1613.	6.9	18
11	Secret Common Randomness From Routing Metadata in Ad Hoc Networks. IEEE Transactions on Information Forensics and Security, 2016, 11, 1674-1684.	6.9	16
12	Partition Information and its Transmission Over Boolean Multi-Access Channels. IEEE Transactions on Information Theory, 2015, 61, 1010-1027.	2.4	14
13	Error statistics for average power measurements in wireless communication systems. IEEE Transactions on Communications, 2002, 50, 1535-1546.	7.8	13
14	On the minimax robustness of the uniform transmission power strategy in MIMO systems. IEEE Communications Letters, 2003, 7, 523-524.	4.1	12
15	Achievable partition information rate over noisy multi-access Boolean channel. , 2014, , .		11
16	Feedback-Based Collaborative Secrecy Encoding Over Binary Symmetric Channels. IEEE Transactions on Information Theory, 2012, 58, 5248-5266.	2.4	10
17	Statistical Characterization of Decryption Errors in Block-Ciphred Systems. IEEE Transactions on Communications, 2015, 63, 4363-4376.	7.8	10
18	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

#	ARTICLE	IF	CITATIONS
19	A Semi-Centralized Dynamic Key Management Framework for In-Vehicle Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 10864-10879.	6.3	7
20	Strategic Versus Collaborative Power Control in Relay Fading Channels. , 2006, , .		6
21	Coupling the reduced-order model and the generative model for an importance sampling estimator. Journal of Computational Physics, 2020, 408, 109281.	3.8	6
22	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
23	Design and analysis of an ARQ based symmetric key generation algorithm. , 2011, , .		5
24	Linear cryptanalysis against block ciphered system under noisy ciphertexts. , 2012, , .		5
25	ARQ-Based Symmetric-Key Generation Over Correlated Erasure Channels. IEEE Transactions on Information Forensics and Security, 2013, 8, 1152-1161.	6.9	5
26	Optimal admission and preemption control in finite-source loss systems. Operations Research Letters, 2015, 43, 241-246.	0.7	5
27	Spreading Sequence-Based Non-coherent Sensor Fusion and its Resulting Large Deviation Exponents. , 2007, , .		4
28	Creation of degraded wiretap channel through deliberate noise in block ciphered systems. , 2011, , .		4
29	Evaluation of security robustness against information leakage in Gaussian polytree graphical models. , 2015, , .		4
30	A joint Shannon cipher and privacy amplification approach to attaining exponentially decaying information leakage. Information Sciences, 2016, 357, 6-22.	6.9	4
31	Chernoff information of bottleneck Gaussian trees. , 2016, , .		4
32	Synthesis of Gaussian trees with correlation sign ambiguity: An information theoretic approach. , 2016, , .		4
33	Asymptotic converse bound for secret key capacity in hidden Markov model. , 2017, , .		4
34	One-shot achievability and converse bounds of Gaussian random coding in AWGN channels under covert constraint. , 2019, , .		4
35	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
36	Mixed anti-jamming strategies in fixed-rate wireless systems over fast fading channels. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
37	Active eavesdropping in fast fading channels. , 2009, , .		3
38	Transmission of partitioning information over non-adaptive multi-access Boolean channel. , 2014, , .		3
39	Sequential Detection of Disjoint Subgraphs over Boolean MAC Channels: A Probabilistic Approach. , 2016, , .		3
40	Extractable Common Randomness From Gaussian Trees: Topological and Algebraic Perspectives. IEEE Transactions on Information Forensics and Security, 2016, 11, 2312-2321.	6.9	3
41	Estimation of RFID Tag Population Size by Gaussian Estimator. , 2018, , .		3
42	A Semi-centralized Security Framework for In-Vehicle Networks. , 2020, , .		3
43	Stabilizing Multi-Agent Deep Reinforcement Learning by Implicitly Estimating Other Agentsâ€™ Behaviors. , 2020, , .		3
44	Identifying diabetes from conjunctival images using a novel hierarchical multi-task network. Scientific Reports, 2022, 12, 264.	3.3	3
45	VAE-KRnet and Its Applications to Variational Bayes. Communications in Computational Physics, 2022, 31, 1049-1082.	1.7	3
46	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
47	Detection of graph structures via communications over a multiaccess Boolean channel. , 2015, , .		2
48	Optimal call admission and preemption control for public safety communications. , 2015, , .		2
49	Asymptotic Error Free Partitioning Over Noisy Boolean Multiaccess Channels. IEEE Transactions on Information Theory, 2015, 61, 6168-6181.	2.4	2
50	Algebraic properties of solutions to common information of Gaussian vectors under sparse graphical constraints. , 2017, , .		2
51	Channel Capacity and Dirty Paper Coding for Gaussian Channels with Additive and Multiplicative Interferences. , 2006, , .		1
52	Degrees-of-freedom and interference tradeoff for a mix-Gaussian cognitive radio channel. , 2013, , .		1
53	An end-to-end exponentially secure secrecy scheme against an unbounded adversary. , 2013, , .		1
54	Secrecy enhancement of block ciphered systems with deliberate noise in Non-coherent scenario. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
55	Topological and Algebraic Properties for Classifying Unrooted Gaussian Trees under Privacy Constraints. , 2015, , .		1
56	Analysis of degrees of freedom under mixture Gaussian model in cognitive radio systems. Physical Communication, 2015, 16, 1-13.	2.1	1
57	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
58	Partition of Random Items: Tradeoff between Binning Utility and Meta Information Leakage. , 2018, , .		1
59	Topological and Algebraic Properties of Chernoff Information between Gaussian Graphs. , 2018, , .		1
60	On the Secret Key Capacity of Sibling Hidden Markov Models. IEEE Transactions on Information Forensics and Security, 2019, 14, 514-524.	6.9	1
61	Algebraic Properties of Wyner Common Information Solution under Graphical Constraints. , 2019, , .		1
62	Latent Factor Analysis of Gaussian Distributions under Graphical Constraints. , 2020, , .		1
63	Sigma-Delta ADC Based Distributed Detection in Wireless Sensor Networks. , 2007, , .		0
64	ARQ-based key scheduling algorithm over correlated erasure channels. , 2012, , .		0
65	Topological and Algebraic Properties for Classifying Unrooted Gaussian Trees under Privacy Constraints. , 2014, , .		0
66	Efficient Link Cuts in Online Social Networks. , 2014, , .		0
67	Efficient Link Cuts in Online Social Networks. , 2015, , .		0
68	Effects of downsampling on statistics of discrete-time semi-Markov processes. , 2015, , .		0
69	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
70	Chernoff information between Gaussian trees. Information Sciences, 2018, 453, 442-462.	6.9	0
71	Information-Bottleneck-Based Behavior Representation Learning for Multi-Agent Reinforcement Learning. , 2021, , .		0