

Pramod Viswanath

List of Publications by Year in descending order

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papers

1,595
citations

471371

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38
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	Prism Removes Consensus Bottleneck for Smart Contracts. , 2020, , .		7
2	Physical Layer Communication via Deep Learning. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 5-18.	1.9	27
3	LEARN Codes: Inventing Low-Latency Codes via Recurrent Neural Networks. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 207-216.	1.9	25
4	Deepcode: Feedback Codes via Deep Learning. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 194-206.	1.9	28
5	Demystifying Fixed ϵ and δ Nearest Neighbor Information Estimators. IEEE Transactions on Information Theory, 2018, 64, 5629-5661.	1.5	50
6	Interactive Communication for Data Exchange. IEEE Transactions on Information Theory, 2018, 64, 26-37.	1.5	5
7	Breaking the Bandwidth Barrier: Geometrical Adaptive Entropy Estimation. IEEE Transactions on Information Theory, 2018, 64, 3313-3330.	1.5	3
8	The Composition Theorem for Differential Privacy. IEEE Transactions on Information Theory, 2017, 63, 4037-4049.	1.5	129
9	Hiding the Rumor Source. IEEE Transactions on Information Theory, 2017, 63, 6679-6713.	1.5	23
10	Information Complexity Density and Simulation of Protocols. IEEE Transactions on Information Theory, 2017, 63, 6979-7002.	1.5	4
11	Differentially private multi-party computation. , 2016, , .		6
12	Metadata-conscious anonymous messaging. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	1.6	2
13	Information Complexity Density and Simulation of Protocols. , 2016, , .		1
14	Algorithmic advances in anonymous communication over networks. , 2016, , .		2
15	Rumor Source Obfuscation on Irregular Trees. Performance Evaluation Review, 2016, 44, 153-164.	0.4	6
16	Multicommodity Flows and Cuts in Polymatroidal Networks. SIAM Journal on Computing, 2015, 44, 912-943.	0.8	4
17	The Staircase Mechanism in Differential Privacy. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1176-1184.	7.3	76
18	Interference Channels With Half-Duplex Source Cooperation. IEEE Transactions on Information Theory, 2014, 60, 1753-1781.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Capacity of Gaussian Channels With Energy Harvesting and Processing Cost. IEEE Transactions on Information Theory, 2014, 60, 2563-2575.	1.5	65
20	Compress-and-Forward Scheme for Relay Networks: Backward Decoding and Connection to Bisubmodular Flows. IEEE Transactions on Information Theory, 2014, 60, 5627-5638.	1.5	10
21	Capacity of Multiple Unicast in Wireless Networks: A Polymatroidal Approach. IEEE Transactions on Information Theory, 2014, 60, 6303-6328.	1.5	11
22	Interactive Interference Alignment. IEEE Journal on Selected Areas in Communications, 2014, 32, 1699-1706.	9.7	4
23	Network Capacity Under Traffic Symmetry: Wireline and Wireless Networks. IEEE Transactions on Information Theory, 2014, 60, 5457-5469.	1.5	4
24	An Asymptotically Optimal Push-Pull Method for Multicasting Over a Random Network. IEEE Transactions on Information Theory, 2013, 59, 5075-5087.	1.5	4
25	Multi-Session Function Computation and Multicasting in Undirected Graphs. IEEE Journal on Selected Areas in Communications, 2013, 31, 702-713.	9.7	17
26	Flashback. Computer Communication Review, 2012, 42, 223-234.	1.5	15
27	Approximately Optimal Wireless Broadcasting. IEEE Transactions on Information Theory, 2012, 58, 7154-7167.	1.5	19
28	Probability Estimation in the Rare-Events Regime. IEEE Transactions on Information Theory, 2011, 57, 3207-3229.	1.5	22
29	Diversity-Multiplexing Tradeoff of the Two-User Interference Channel. IEEE Transactions on Information Theory, 2011, 57, 5782-5793.	1.5	14
30	On Network Interference Management. IEEE Transactions on Information Theory, 2010, 56, 4941-4955.	1.5	9
31	Cognitive Radio: An Information-Theoretic Perspective. IEEE Transactions on Information Theory, 2009, 55, 3945-3958.	1.5	419
32	The Capacity Region of the Degraded Multiple-Input Multiple-Output Compound Broadcast Channel. IEEE Transactions on Information Theory, 2009, 55, 5011-5023.	1.5	82
33	The Two-User Compound Interference Channel. IEEE Transactions on Information Theory, 2009, 55, 5100-5120.	1.5	26
34	Rate Region of the Quadratic Gaussian Two-Encoder Source-Coding Problem. IEEE Transactions on Information Theory, 2008, 54, 1938-1961.	1.5	233
35	Throughput scaling in wireless networks with restricted mobility. IEEE Transactions on Wireless Communications, 2007, 6, 670-679.	6.1	7
36	An Extremal Inequality Motivated by Multiterminal Information-Theoretic Problems. IEEE Transactions on Information Theory, 2007, 53, 1839-1851.	1.5	160

#	ARTICLE	IF	CITATIONS
37	Vector Gaussian Multiple Description With Individual and Central Receivers. IEEE Transactions on Information Theory, 2007, 53, 2133-2153.	1.5	67
38	The Gaussian Many-Help-One Distributed Source Coding Problem. , 2006, , .		6