

Pramod Viswanath

List of Publications by Year in descending order

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38
papers

1,595
citations

471371

17
h-index

395590

33
g-index

38
all docs

38
docs citations

38
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive Radio: An Information-Theoretic Perspective. IEEE Transactions on Information Theory, 2009, 55, 3945-3958.	1.5	419
2	Rate Region of the Quadratic Gaussian Two-Encoder Source-Coding Problem. IEEE Transactions on Information Theory, 2008, 54, 1938-1961.	1.5	233
3	An Extremal Inequality Motivated by Multiterminal Information-Theoretic Problems. IEEE Transactions on Information Theory, 2007, 53, 1839-1851.	1.5	160
4	The Composition Theorem for Differential Privacy. IEEE Transactions on Information Theory, 2017, 63, 4037-4049.	1.5	129
5	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
6	The Staircase Mechanism in Differential Privacy. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1176-1184.	7.3	76
7	Vector Gaussian Multiple Description With Individual and Central Receivers. IEEE Transactions on Information Theory, 2007, 53, 2133-2153.	1.5	67
8	Capacity of Gaussian Channels With Energy Harvesting and Processing Cost. IEEE Transactions on Information Theory, 2014, 60, 2563-2575.	1.5	65
9	Demystifying Fixed ϵ and δ -Nearest Neighbor Information Estimators. IEEE Transactions on Information Theory, 2018, 64, 5629-5661.	1.5	50
10	Deepcode: Feedback Codes via Deep Learning. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 194-206.	1.9	28
11	Physical Layer Communication via Deep Learning. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 5-18.	1.9	27
12	The Two-User Compound Interference Channel. IEEE Transactions on Information Theory, 2009, 55, 5100-5120.	1.5	26
13	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
14	Hiding the Rumor Source. IEEE Transactions on Information Theory, 2017, 63, 6679-6713.	1.5	23
15	Probability Estimation in the Rare-Events Regime. IEEE Transactions on Information Theory, 2011, 57, 3207-3229.	1.5	22
16	Approximately Optimal Wireless Broadcasting. IEEE Transactions on Information Theory, 2012, 58, 7154-7167.	1.5	19
17	Multi-Session Function Computation and Multicasting in Undirected Graphs. IEEE Journal on Selected Areas in Communications, 2013, 31, 702-713.	9.7	17
18	Flashback. Computer Communication Review, 2012, 42, 223-234.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Diversity-Multiplexing Tradeoff of the Two-User Interference Channel. IEEE Transactions on Information Theory, 2011, 57, 5782-5793.	1.5	14
20	Capacity of Multiple Unicast in Wireless Networks: A Polymatroidal Approach. IEEE Transactions on Information Theory, 2014, 60, 6303-6328.	1.5	11
21	Compress-and-Forward Scheme for Relay Networks: Backword Decoding and Connection to Bisubmodular Flows. IEEE Transactions on Information Theory, 2014, 60, 5627-5638.	1.5	10
22	On Network Interference Management. IEEE Transactions on Information Theory, 2010, 56, 4941-4955.	1.5	9
23	Throughput scaling in wireless networks with restricted mobility. IEEE Transactions on Wireless Communications, 2007, 6, 670-679.	6.1	7
24	Prism Removes Consensus Bottleneck for Smart Contracts. , 2020, , .		7
25	The Gaussian Many-Help-One Distributed Source Coding Problem. , 2006, , .		6
26	Differentially private multi-party computation. , 2016, , .		6
27	Rumor Source Obfuscation on Irregular Trees. Performance Evaluation Review, 2016, 44, 153-164.	0.4	6
28	Interactive Communication for Data Exchange. IEEE Transactions on Information Theory, 2018, 64, 26-37.	1.5	5
29	An Asymptotically Optimal Push-Pull Method for Multicasting Over a Random Network. IEEE Transactions on Information Theory, 2013, 59, 5075-5087.	1.5	4
30	Interactive Interference Alignment. IEEE Journal on Selected Areas in Communications, 2014, 32, 1699-1706.	9.7	4
31	Network Capacity Under Traffic Symmetry: Wireline and Wireless Networks. IEEE Transactions on Information Theory, 2014, 60, 5457-5469.	1.5	4
32	Multicommodity Flows and Cuts in Polymatroidal Networks. SIAM Journal on Computing, 2015, 44, 912-943.	0.8	4
33	Information Complexity Density and Simulation of Protocols. IEEE Transactions on Information Theory, 2017, 63, 6979-7002.	1.5	4
34	Interference Channels With Half-Duplex Source Cooperation. IEEE Transactions on Information Theory, 2014, 60, 1753-1781.	1.5	3
35	Breaking the Bandwidth Barrier: Geometrical Adaptive Entropy Estimation. IEEE Transactions on Information Theory, 2018, 64, 3313-3330.	1.5	3
36	Metadata-conscious anonymous messaging. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Algorithmic advances in anonymous communication over networks. , 2016, , .		2
38	Information Complexity Density and Simulation of Protocols. , 2016, , .		1