

Lakshmi P Natarajan

List of Publications by Year in descending order

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48
papers

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1477746

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1125271

13
g-index

48
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48
docs citations

48
times ranked

242
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface morphology of electrospun PLA fibers: mechanisms of pore formation. RSC Advances, 2014, 4, 44082-44088.	1.7	62
2	Lattice Index Coding. IEEE Transactions on Information Theory, 2015, 61, 6505-6525.	1.5	23
3	Index Codes for the Gaussian Broadcast Channel Using Quadrature Amplitude Modulation. IEEE Communications Letters, 2015, 19, 1291-1294.	2.5	19
4	Fast-group-decodable STBCs via codes over GF(4). , 2010, , .		10
5	Fast-Group-Decodable STBCs via Codes over GF(4): Further Results. , 2011, , .		9
6	An Adaptive Conditional Zero-Forcing Decoder With Full-Diversity, Least Complexity and Essentially-ML Performance for STBCs. IEEE Transactions on Signal Processing, 2013, 61, 253-263.	3.2	9
7	Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. IEEE Transactions on Wireless Communications, 2013, 12, 5022-5034.	6.1	8
8	Asymptotically-Good, Multigroup ML-Decodable STBCs. , 2010, , .		7
9	Generalized distributive law for ML decoding of STBCs. , 2011, , .		7
10	Asymptotically-Optimal, Fast-Decodable, Full-Diversity STBCs. , 2011, , .		7
11	MIMO Codes for Uniform Illumination Across Space and Time in VLC With Dimming Control. IEEE Photonics Journal, 2019, 11, 1-21.	1.0	7
12	NOMA for Multiple Access Channel and Broadcast Channel in Indoor VLC. IEEE Wireless Communications Letters, 2021, 10, 609-613.	3.2	7
13	Collocated and Distributed STBCs with Partial Interference Cancellation Decoding, Part I: Full-Diversity Criterion. IEEE Transactions on Wireless Communications, 2011, 10, 3032-3041.	6.1	6
14	Capacity of coded index modulation. , 2015, , .		6
15	A new full-diversity criterion and low-complexity STBCs with Partial Interference Cancellation decoding. , 2010, , .		5
16	Collocated and Distributed STBCs with Partial Interference Cancellation Decoding, Part II: Code Construction. IEEE Transactions on Wireless Communications, 2011, 10, 3042-3052.	6.1	5
17	Generalized Distributive Law for ML Decoding of Space-Time Block Codes. IEEE Transactions on Information Theory, 2013, 59, 2914-2935.	1.5	5
18	Coded Data Rebalancing: Fundamental Limits and Constructions. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	On Locally Decodable Index Codes. , 2018, , .		4
20	Linear Codes for Broadcasting With Noisy Side Information. IEEE Transactions on Information Theory, 2019, 65, 4207-4226.	1.5	4
21	Low ML Decoding Complexity STBCs via Codes Over the Klein Group. IEEE Transactions on Information Theory, 2011, 57, 7950-7971.	1.5	3
22	Asymptotically-Good, Multigroup Decodable Space-Time Block Codes. IEEE Transactions on Wireless Communications, 2013, 12, 5035-5047.	6.1	3
23	New error correcting codes for informed receivers. , 2016, , .		3
24	Lattice index coding for the broadcast channel. , 2015, , .		2
25	Linear Codes for Broadcasting with Noisy Side Information: Bounds and Code Constructions. , 2018, , .		2
26	Locality in Index Coding for Large Min-Rank. , 2019, , .		2
27	Improving Generalized Spatial Modulation Using Translation Patterns. IEEE Communications Letters, 2020, 24, 2814-2818.	2.5	2
28	Distributed STBCs with full-diversity partial interference cancellation decoding. , 2011, , .		1
29	Generalized Distributive Law for ML decoding of STBCs: Further results. , 2012, , .		1
30	On the Sphere Decoding Complexity of High-Rate Multigroup Decodable STBCs in Asymmetric MIMO Systems. IEEE Transactions on Information Theory, 2013, 59, 5959-5965.	1.5	1
31	Capacity optimality of lattice codes in common message Gaussian broadcast channels with coded side information. , 2017, , .		1
32	Line-of-Sight $2 \times n_r$ MIMO With Random Antenna Orientations. IEEE Transactions on Vehicular Technology, 2017, 66, 5134-5147.	3.9	1
33	Flicker Mitigating High Rate RLL Codes for VLC with Low Complexity Encoding and Decoding. , 2018, , .		1
34	On Linear Codes for Broadcasting with Noisy Side Information. , 2018, , .		1
35	Layered Space- Time Index Coding. , 2018, , .		1
36	Lattice Codes Achieve the Capacity of Common Message Gaussian Broadcast Channels With Coded Side Information. IEEE Transactions on Information Theory, 2018, 64, 1481-1496.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Layered Space-Time Index Coding. IEEE Transactions on Information Theory, 2019, 65, 142-158.	1.5	1
38	Codes for Updating Linear Functions over Small Fields. , 2019, , .		1
39	Locally Decodable Index Codes. IEEE Transactions on Information Theory, 2020, 66, 7387-7407.	1.5	1
40	Memory-Based Codes for Uniform Illumination in MIMO VLC. IEEE Photonics Journal, 2020, 12, 1-15.	1.0	1
41	A Family of Capacity-Achieving Abelian Codes for the Binary Erasure Channel. , 2022, , .		1
42	On the sphere decoding complexity of high rate multigroup ML decodable STBCs. , 2012, , .		0
43	Full-rate, full-diversity, finite feedback space-time schemes with minimum feedback and transmission duration. , 2013, , .		0
44	Index Codes with Minimum Locality for Three Receiver Unicast Problems. , 2020, , .		0
45	Blind Updates in Coded Caching. , 2021, , .		0
46	An Umbrella Converse for Data Exchange: Applied to Caching, Computing, and Shuffling. Entropy, 2021, 23, 985.	1.1	0
47	Permute and Add Network Codes via Group Algebras. IEEE Transactions on Communications, 2022, 70, 2951-2963.	4.9	0
48	Blind Updates in Coded Caching. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1253-1265.	1.9	0