

Lakshmi P Natarajan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

167
citations

6
h-index

11
g-index

48
ext. papers

211
ext. citations

4.2
avg, IF

3.16
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 32 | Permute & Add Network Codes via Group Algebras. <i>IEEE Transactions on Communications</i> , 2022 , 1-1 | 6.9 | |
| 31 | . <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 609-613 | 5.9 | 4 |
| 30 | Blind Updates in Coded Caching. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 1253-1265. | 5.5 | |
| 29 | Memory-Based Codes for Uniform Illumination in MIMO VLC. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-15 | 1.8 | |
| 28 | . <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 7387-7407 | 2.8 | 1 |
| 27 | Improving Generalized Spatial Modulation Using Translation Patterns. <i>IEEE Communications Letters</i> , 2020 , 24, 2814-2818 | 3.8 | 1 |
| 26 | MIMO Codes for Uniform Illumination Across Space and Time in VLC With Dimming Control. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-21 | 1.8 | 4 |
| 25 | . <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 142-158 | 2.8 | 1 |
| 24 | Linear Codes for Broadcasting With Noisy Side Information. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 4207-4226 | 2.8 | 1 |
| 23 | On Locally Decodable Index Codes 2018 , | | 2 |
| 22 | Linear Codes for Broadcasting with Noisy Side Information: Bounds and Code Constructions 2018 , | | 1 |
| 21 | . <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1481-1496 | 2.8 | 1 |
| 20 | . <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 5134-5147 | 6.8 | 1 |
| 19 | New error correcting codes for informed receivers 2016 , | | 2 |
| 18 | Lattice index coding for the broadcast channel 2015 , | | 2 |
| 17 | Index Codes for the Gaussian Broadcast Channel Using Quadrature Amplitude Modulation. <i>IEEE Communications Letters</i> , 2015 , 19, 1291-1294 | 3.8 | 12 |
| 16 | Capacity of coded index modulation 2015 , | | 4 |

| | | | |
|----|--|-----|----------------|
| 15 | . <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 6505-6525 | 2.8 | 19 |
| 14 | Surface morphology of electrospun PLA fibers: mechanisms of pore formation. <i>RSC Advances</i> , 2014 , 4, 44082-44088 | 3.7 | 4 ⁸ |
| 13 | An Adaptive Conditional Zero-Forcing Decoder With Full-Diversity, Least Complexity and Essentially-ML Performance for STBCs. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 253-263 | 4.8 | 6 |
| 12 | On the Sphere Decoding Complexity of High-Rate Multigroup Decodable STBCs in Asymmetric MIMO Systems. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 5959-5965 | 2.8 | 1 |
| 11 | Generalized Distributive Law for ML Decoding of Space-Time Block Codes. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 2914-2935 | 2.8 | 4 |
| 10 | Full-Rate Full-Diversity Finite Feedback Space-Time Schemes with Minimum Feedback and Transmission Duration. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5022-5034 | 9.6 | 7 |
| 9 | Asymptotically-Good, Multigroup Decodable Space-Time Block Codes. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5035-5047 | 9.6 | 3 |
| 8 | Collocated and Distributed STBCs with Partial Interference Cancellation Decoding, Part II: Code Construction. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 3042-3052 | 9.6 | 4 |
| 7 | . <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 7950-7971 | 2.8 | 2 |
| 6 | Collocated and Distributed STBCs with Partial Interference Cancellation Decoding, Part I: Full-Diversity Criterion. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 3032-3041 | 9.6 | 4 |
| 5 | 2011 , | | 6 |
| 4 | 2011 , | | 6 |
| 3 | 2010 , | | 6 |
| 2 | A new full-diversity criterion and low-complexity STBCs with Partial Interference Cancellation decoding 2010 , | | 3 |
| 1 | Fast-group-decodable STBCs via codes over GF(4) 2010 , | | 3 |