

# Douglas M Blough

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

335  
citations

1684188

5  
h-index

1588992

8  
g-index

48  
all docs

48  
docs citations

48  
times ranked

222  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Approximation Algorithms for Wireless Link Scheduling With SINR-Based Interference. IEEE/ACM Transactions on Networking, 2010, 18, 1701-1712.                                 | 3.8  | 68        |
| 2  | Privacy Preserving Collaborative Filtering Using Data Obfuscation. , 2007, , .  |      | 27        |
| 3  | Relay Selection and Scheduling for Millimeter Wave Backhaul in Urban Environments. , 2017, , .  |      | 27        |
| 4  | STEREOS: Smart Table EntRy Eviction for OpenFlow Switches. IEEE Journal on Selected Areas in Communications, 2020, 38, 377-388.   | 14.0 | 19        |
| 5  | AttributeTrust A Framework for Evaluating Trust in Aggregated Attributes via a Reputation System. , 2008, , .   |      | 18        |
| 6  | Blockage Avoidance in Relay Paths for Roadside mmWave Backhaul Networks. , 2018, , .  |      | 12        |
| 7  | Optimal Access Point Placement for Multi-AP mmWave WLANs. , 2019, , .   |      | 12        |
| 8  | Path Selection with Amplify and Forward Relays in mmWave Backhaul Networks. , 2018, , .   |      | 11        |
| 9  | Privacy Preserving Collaborative Filtering Using Data Obfuscation. , 2007, , .  |      | 11        |
| 10 | Optimizing Millimeter-Wave Backhaul Networks in Roadside Environments. , 2018, , .  |      | 10        |
| 11 | Interference-aware proportional fairness for multi-rate wireless networks. , 2014, , .  |      | 8         |
| 12 | Analysis of Blockage Effects on Roadside Relay-Assisted mmWave Backhaul Networks. , 2019, , .   |      | 8         |
| 13 | Replica Placement for Route Diversity in Tree-Based Routing Distributed Hash Tables. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 419-433.                  | 5.4  | 7         |
| 14 | A Quantitative Exploration of Access Point Mobility for mmWave WiFi Networks. , 2020, , .   |      | 7         |
| 15 | WiMove: Toward Infrastructure Mobility in mmWave WiFi. , 2020, , .  |      | 7         |
| 16 | MIMO link scheduling for interference suppression in dense wireless networks. , 2015, , .   |      | 6         |
| 17 | Optimizing Coverage with Intelligent Surfaces for Indoor mmWave Networks. , 2022, , .   |      | 6         |
| 18 | Jointly Optimizing Stream Allocation, Beamforming and Combining Weights for the MIMO Interference Channel. IEEE Transactions on Wireless Communications, 2015, 14, 2245-2256. | 9.2  | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | High-Throughput and Fair Scheduling for Access Point Cooperation in Dense Wireless Networks. , 2017, , .  |     | 5         |
| 20 | High Throughput and Fair Scheduling for Multi-AP Multiuser MIMO in Dense Wireless Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2414-2427. | 3.8 | 5         |
| 21 | Optimal Path Construction with Decode and Forward Relays in mmWave Backhaul Networks. , 2020, , .   |     | 5         |
| 22 | Maximizing Coverage for mmWave WLANs with Dedicated Reflectors. , 2021, , .   |     | 5         |
| 23 | Effects of SNR-Dependent Beam Alignment Errors on Millimeter-Wave Cellular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5216-5230.  | 6.3 | 5         |
| 24 | Distributed Enforcement of Sticky Policies with Flexible Trust. , 2015, , .   |     | 4         |
| 25 | The Design and Evaluation of Techniques for Route Diversity in Distributed Hash Tables. , 2007, , .   |     | 3         |
| 26 | Coverage in Millimeter-Wave Networks with SNR-Dependent Beam Alignment Errors. , 2020, , .  |     | 3         |
| 27 | On the Potential Benefits of Mobile Access Points in mmWave Wireless LANs. , 2020, , .  |     | 3         |
| 28 | Maximizing Line-of-Sight Coverage for mmWave Wireless LANs With Multiple Access Points. IEEE/ACM Transactions on Networking, 2022, 30, 698-716.       | 3.8 | 3         |
| 29 | The performance loss of unilateral interference cancellation. , 2012, , .   |     | 2         |
| 30 | Joint optimization of stream allocation and beamforming and combining weights for the MIMO interference channel. , 2013, , .                          |     | 2         |
| 31 | Mobility-Aware Multi-User MIMO Link Scheduling for Dense Wireless Networks. , 2018, , .   |     | 2         |
| 32 | Blockage Robustness in Access Point Association for mmWave Wireless LANs with Mobility. , 2020, , .   |     | 2         |
| 33 | Interference-aware multicast for wireless multihop networks. , 2014, , .  |     | 1         |
| 34 | Combined User Selection and MIMO Weight Calculation for AP Cooperation in Dense Wireless Networks. , 2017, , .  |     | 1         |
| 35 | PBUS: Efficient User Selection for Block Diagonalization in Dense Wireless Networks. , 2017, , .  |     | 1         |
| 36 | Deceptive Secret Sharing. , 2018, , .   |     | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | High Satisfaction and Fair Allocation of Resources in Software-Defined Data Center Networks. , 2019, , .   |     | 1         |
| 38 | Queueing Analysis of Auxiliary-Connection-Enabled Switches for Software-Defined Networks. , 2019, , .  |     | 1         |
| 39 | On the Feasibility of High Throughput mmWave Backhaul Networks in Urban Areas. , 2020, , .   |     | 1         |
| 40 | Feasibility of Multipath Construction in mmWave Backhaul. , 2021, , .  |     | 1         |
| 41 | Algorithms for addressing line-of-sight issues in mmWave WiFi networks using access point mobility. Journal of Parallel and Distributed Computing, 2022, 160, 65-78. | 4.1 | 1         |
| 42 | MultiVTrain: Collaborative Multi-View Active Learning for Segmentation in Connected Vehicles. , 2021, , .  |     | 1         |
| 43 | Cooperative Task-Oriented Group Formation for Vehicular Networks. , 2022, , .  |     | 1         |
| 44 | Exploring Performance Limits on Proactive Fair Scheduling for mmWave WLANs. , 2022, , .  |     | 1         |
| 45 | On the Effects of Blockage on Load Modeling in Millimeter-Wave Cellular Networks. , 2021, , .  |     | 0         |
| 46 | Load-Balanced Routing for Hybrid Fiber/Wireless Backhaul Networks. , 2021, , .   |     | 0         |
| 47 | The Design and Evaluation of Techniques for Route Diversity in Distributed Hash Tables. , 2007, , .  |     | 0         |