

# Jennifer Rexford

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10733923/publications.pdf>

Version: 2024-02-01

42  
papers

13,278  
citations

759233

12  
h-index

839539

18  
g-index

42  
all docs

42  
docs citations

42  
times ranked

6020  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | OpenFlow. Computer Communication Review, 2008, 38, 69-74.  | 1.8 | 6,934     |
| 2  | P4. Computer Communication Review, 2014, 44, 87-95.  | 1.8 | 1,871     |
| 3  | The road to SDN. Computer Communication Review, 2014, 44, 87-98.   | 1.8 | 574       |
| 4  | A clean slate 4D approach to network control and management. Computer Communication Review, 2005, 35, 41-54. | 1.8 | 465       |
| 5  | How to lease the internet in your spare time. Computer Communication Review, 2007, 37, 61-64.                | 1.8 | 420       |
| 6  | Frenetic. ACM SIGPLAN Notices, 2011, 46, 279-291.  | 0.2 | 298       |
| 7  | Scalable flow-based networking with DIFANE. Computer Communication Review, 2010, 40, 351-362.                | 1.8 | 273       |
| 8  | Heavy-Hitter Detection Entirely in the Data Plane. , 2017, , .   |     | 266       |
| 9  | HULA. , 2016, , .  |     | 245       |
| 10 | The Road to SDN. Queue, 2013, 11, 20-40.   | 1.1 | 215       |
| 11 | The case for separating routing from routers. , 2004, , .  |     | 197       |
| 12 | Sonata. , 2018, , .  |     | 159       |
| 13 | Floodless in seattle. , 2008, , .  |     | 151       |
| 14 | Consistent updates for software-defined networks. , 2011, , .  |     | 133       |
| 15 | Virtual routers on the move. Computer Communication Review, 2008, 38, 231-242.                               | 1.8 | 129       |
| 16 | SNAP. , 2016, , .  |     | 120       |
| 17 | Dynamics of hot-potato routing in IP networks. , 2004, , .   |     | 111       |
| 18 | PISCES. , 2016, , .  |     | 110       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Abstractions for network update. Computer Communication Review, 2012, 42, 323-334.  | 1.8 | 106       |
| 20 | Dapper. , 2017, , .   |     | 65        |
| 21 | Network-Wide Heavy Hitter Detection with Commodity Switches. , 2018, , .  |     | 65        |
| 22 | Frenetic. , 2010, , .   |     | 61        |
| 23 | A network-state management service. , 2014, , .   |     | 58        |
| 24 | Whippersnapper. , 2017, , .   |     | 44        |
| 25 | Transparent, Live Migration of a Software-Defined Network. , 2014, , .  |     | 35        |
| 26 | Elmo. , 2019, , .   |     | 28        |
| 27 | A network-state management service. Computer Communication Review, 2015, 44, 563-574.   | 1.8 | 18        |
| 28 | HotCocoa. , 2017, , .   |     | 17        |
| 29 | PacketScope. , 2020, , .  |     | 17        |
| 30 | Practical Network-Wide Compression of IP Routing Tables. IEEE Transactions on Network and Service Management, 2012, 9, 446-458. | 4.9 | 15        |
| 31 | Concise Encoding of Flow Attributes in SDN Switches. , 2017, , .  |     | 14        |
| 32 | Experience-driven research on programmable networks. Computer Communication Review, 2021, 51, 10-17.                            | 1.8 | 12        |
| 33 | A Scalable VPN Gateway for Multi-Tenant Cloud Services. Computer Communication Review, 2018, 48, 49-55.                         | 1.8 | 9         |
| 34 | Don't optimize existing protocols, design optimizable protocols. Computer Communication Review, 2007, 37, 53-58.                | 1.8 | 8         |
| 35 | Alpaca. , 2015, , .   |     | 8         |
| 36 | Accurate Traffic Splitting on Commodity Switches. , 2018, , .   |     | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Elastic Switch Programming with P4All. , 2020, , .  |     | 7         |
| 38 | Cooperative Rule Caching for SDN Switches. , 2020, , .  |     | 5         |
| 39 | Elmo: Source Routed Multicast for Public Clouds. IEEE/ACM Transactions on Networking, 2020, 28, 2587-2600.              | 3.8 | 4         |
| 40 | Design for Optimizability: Traffic Management of a Future Internet. Computer Communications and Networks, 2010, , 3-18. | 0.8 | 2         |
| 41 | Data-plane security applications in adversarial settings. Computer Communication Review, 2022, 52, 2-9.                 | 1.8 | 1         |
| 42 | REDACT. Computer Communication Review, 2021, 51, 15-22.   | 1.8 | 0         |