

JosÃ© SuÃ¡rez-Varela

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

552
citations

1478505

6
h-index

1720034

7
g-index

21
all docs

21
docs citations

21
times ranked

353
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | RouteNet: Leveraging Graph Neural Networks for Network Modeling and Optimization in SDN. IEEE Journal on Selected Areas in Communications, 2020, 38, 2260-2270. | 14.0 | 160 |
| 2 | Unveiling the potential of Graph Neural Networks for network modeling and optimization in SDN. , 2019, , . | | 124 |
| 3 | Routing in optical transport networks with deep reinforcement learning. Journal of Optical Communications and Networking, 2019, 11, 547. | 4.8 | 43 |
| 4 | Feature Engineering for Deep Reinforcement Learning Based Routing. , 2019, , . | | 29 |
| 5 | Flow monitoring in Software-Defined Networks: Finding the accuracy/performance tradeoffs. Computer Networks, 2018, 135, 289-301. | 5.1 | 22 |
| 6 | Unveiling the potential of Graph Neural Networks for robust Intrusion Detection. Performance Evaluation Review, 2022, 49, 111-117. | 0.6 | 22 |
| 7 | Challenging the generalization capabilities of Graph Neural Networks for network modeling. , 2019, , . | | 21 |
| 8 | Detecting cryptocurrency miners with NetFlow/IPFIX network measurements. , 2019, , . | | 21 |
| 9 | Towards a NetFlow Implementation for OpenFlow Software-Defined Networks. , 2017, , . | | 17 |
| 10 | Is Machine Learning Ready for Traffic Engineering Optimization?. , 2021, , . | | 17 |
| 11 | RouteNet-Erlang: A Graph Neural Network for Network Performance Evaluation. , 2022, , . | | 15 |
| 12 | The graph neural networking challenge. Computer Communication Review, 2021, 51, 9-16. | 1.8 | 13 |
| 13 | Routing Based On Deep Reinforcement Learning In Optical Transport Networks. , 2019, , . | | 12 |
| 14 | IGNNITION: Bridging the Gap between Graph Neural Networks and Networking Systems. IEEE Network, 2021, 35, 171-177. | 6.9 | 11 |
| 15 | Towards more realistic network models based on Graph Neural Networks. , 2019, , . | | 9 |
| 16 | SBAR. , 2018, , . | | 7 |
| 17 | Results and Achievements of the ALLIANCE Project: New Network Solutions for 5G and Beyond. Applied Sciences (Switzerland), 2021, 11, 9130. | 2.5 | 3 |
| 18 | Towards Real-Time Routing Optimization with Deep Reinforcement Learning: Open Challenges. , 2021, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 19 | IGNNITION. , 2021, , . | | 2 |
| 20 | Towards accurate classification of HTTPS traffic in Software-Defined Networks. , 2018, , . | | 1 |
| 21 | Exploring the Limitations of Current Graph Neural Networks for Network Modeling. , 2022, , . | | 1 |