# Yuanzhang Xiao

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game theory
wireless communications
power systems
reinforcement learning

|  | All | Since 2017 |
|---|---|---|
| Citations | 660 | 409 |
| h-index | 14 | 11 |
| i10-index | 20 | 11 |

5 articles                    4 articles

not available                available

Based on funding mandates

| TITLE | CITED BY | YEAR |
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| **Demand side management in smart grids using a repeated game framework**<br>L Song, Y Xiao, M Van Der Schaar<br>IEEE Journal on Selected Areas in Communications 32 (7), 1412-1424 | 101 | 2014 |
| **Non-stationary resource allocation policies for delay-constrained video streaming: Application to video over Internet-of-Things-enabled networks**<br>J Xu, Y Andrepoulos, Y Xiao, M van Der Schaar<br>IEEE Journal on Selected Areas in Communications 32 (4), 782-794 | 61 | 2014 |
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| **Dynamic incentive design for participation in direct load scheduling programs**<br>M Alizadeh, Y Xiao, A Scaglione, M Van Der Schaar<br>IEEE Journal of Selected Topics in Signal Processing 8 (6), 1111-1126 | 38 | 2014 |
| **Distributed interference management policies for heterogeneous small cell networks**<br>K Ahuja, Y Xiao, M van der Schaar<br>IEEE Journal on Selected Areas in Communications 33 (6), 1112-1126 | 30 | 2015 |
| **Repeated games with intervention: Theory and applications in communications**<br>Y Xiao, J Park, M Van Der Schaar<br>IEEE Transactions on Communications 60 (10), 3123-3132 | 29 | 2012 |
| **Incentive design for direct load control programs**<br>M Alizadeh, Y Xiao, A Scaglione, M Van Der Schaar<br>2013 51st Annual Allerton Conference on Communication, Control, and … | 27 | 2013 |
| **Dynamic spectrum sharing among repeatedly interacting selfish users with imperfect monitoring**<br>Y Xiao, M van der Schaar<br>IEEE Journal on Selected Areas in Communications 30 (10), 1890-1899 | 25 | 2012 |
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| **Incentives to manipulate demand response baselines with uncertain event schedules**<br>D Ellman, Y Xiao<br>IEEE Transactions on Smart Grid 12 (2), 1358-1369 | 22 | 2020 |
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| **To send or not to send-learning MAC contention**<br>SD Amuru, Y Xiao, M van der Schaar, RM Buehrer<br>2015 IEEE Global Communications Conference (GLOBECOM), 1-6 | 14 | 2015 |
| **Intervention with private information, imperfect monitoring and costly communication**<br>L Canzian, Y Xiao, W Zame, M Zorzi, M Van Der Schaar<br>IEEE Transactions on Communications 61 (8), 3192-3205 | ~~14~~ | 2013 |
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| **Non-stationary demand side management method for smart grids**<br>L Song, Y Xiao, M van der Schaar<br>2014 IEEE International Conference on Acoustics, Speech and Signal … | 10 | 2014 |
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| **Efficiency of linear supply function bidding in electricity markets**<br>Y Xiao, C Bandi, E Wei<br>2015 49th Asilomar Conference on Signals, Systems and Computers, 689-692 | 6 | 2015 |
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| **Supply function equilibrium in power markets: Mesh networks**<br>Y Xiao, C Bandi, E Wei<br>2016 IEEE Global Conference on Signal and Information Processing (GlobalSIP … | 3 | 2016 |
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| **Personalized Federated Recommendation via Joint Representation Learning, User Clustering, and Model Adaptation**<br>S Luo, Y Xiao, L Song<br>arXiv preprint arXiv:2208.09375 | 1 | 2022 |
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| **Distributed Interference Management for Next Generation Wireless Networks**<br>K Ahuja, Y Xiao, M vd Schaar<br>MMTC Communications–Review 33 (6), 1112-1126 | | 2015 |
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| **Distributed Interference Management in Large-Scale Small Cell Networks**<br>K Ahuja, Y Xiao, M van der Schaar | | |
| **Appendix for the Allerton paper**<br>Y Xiao | | |
| **Non-stationary Slot Allocation Policies for Delay-constrained Video Streaming: Towards Video over Internet-of-Things–enabled Networks**<br>J Xu, Y Andreopoulos, Y Xiao, M van der Schaar | | |
| **Dynamic Energy-Efficient Spectrum Sharing Among Autonomous Users**<br>Y Xiao, M van der Schaar | | |
| **Appendix for ENERGY-EFFICIENT NONSTATIONARY POWER CONTROL IN COGNITIVE RADIO NETWORKS**<br>Y Xiao, M van der Schaar | | |
| **The Appendix For "Energy-efficient Nonstationary Spectrum Sharing"**<br>POF LEMMA | | |