

Book/Book Chapter

- [1] **R. Wang**, *Reinforcement-learning-based Wireless Resource Allocation*, IET, invited chapter.

Published/Accepted Journal

- [1] H. Xiao, **R. Wang**, K. Wang, W. L. Chen, K. S. Chiang, "Trade-offs Between Illumination and Modulation Performances of Quantum-Dot LED", to appear on *IEEE Photonics Technology Letters*. (**JCR Q1, corresponding author**)
- [2] Q. Lan, B. Lv, **R. Wang**, K. Huang, Y. Gong, "Adaptive Video Streaming for Massive MIMO Networks via Approximate MDP and Reinforcement Learning", to appear on *IEEE Transactions on Wireless Communications*. (**JCR Q1, corresponding author**)
- [3] S. Huang, B. Lv, **R. Wang**, K. Huang, "Scheduling for Mobile Edge Computing with Random User Arrivals: An Approximate MDP and Reinforcement Learning Approach", to appear on *IEEE Transactions on Vehicular Technology*. (**JCR Q1, corresponding author**)
- [4] S. Wang, M. W. Wen, M. H. Xia, **R. Wang**, Q. Hao, Y. C. Wu, "Angle Aware User Cooperation for Secure Massive MIMO in Rician Fading Channel", to appear on *IEEE Journal on Selected Areas in Communications*. (**JCR Q1, corresponding author**)
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Conference (long article)

- [1] Z. Han, H. Tan, **R. Wang**, S. Tang and F. C. M. Lau, "Online Learning based Uplink Scheduling in HetNets with Limited Backhaul Capacity," *to appear in IEEE International Conference on Computer Communications (IEEE INFOCOM 2018)*, Honolulu, 2018 **(co-supervision, Acceptance Rate: 19%)**
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Conference

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Published Patent Applications/Granted Patents**Granted US Patents**

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- [2] Yinggang Du, Sheng Liu, **Rui Wang**, "Data transmission method and system", U. S. Patent 9,020,438, issued April 28, 2015. (*Granted*)
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- [1] **王锐**, 刘中东, 李洋, 陈万里, “可见光辅助频段分配的控制方法、控制装置、无线局域网”, 专利申请号: 201610998110.0, 南方科技大学, 授权公告日: 2020.03.17. (**已获授权**)
- [2] **王锐**, 刘中东, 李洋, 陈万里, “光源与接入点连接的控制方法、控制装置、无线局域网”, 专利申请号: CN201611040588.9, 南方科技大学, 授权公告日: 2019.12.13. (**已获授权**)
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- [6] 王海, **王锐**, 王伟, 陈万里, 朱晓丹, 李风从, “一种信道估计方法和系统”, 专利申请号: CN201511031746.X, 南方科技大学, 授权公告日: 2019.07.26 (**已获授权**)
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