

These base-stations consume a lot of power to transmit signals at sufficiently high power in order to reach far-located clients, as well as in setting up multiple antenna hardware for MIMO, to ?

Sep 29, 2020 Introduction RF interference represents the single largest impact to robust satellite operation performance. Interference issues result in significant costs for the satellite operator ?

Feb 28, 2024 Abstract Driven by the intelligent applications of sixth-generation (6G) mobile communication systems such as smart city and autonomous driving, which connect the ?

Dec 7, 2023 In the communication power supply field, base station interruptions may occur due to sudden natural disasters or unstable power supplies. This work studies the optimization of ?

Apr 22, 2024 Abstract?Integrated sensing and communication (ISAC) exhibits notable potential for sensing the unmanned aerial vehicles (UAVs), facilitating real-time monitoring of UAVs for ?

Nov 1, 2023 In this work, we investigate the performance of a joint sensing and communication (JSC) network consisting of multiple base stations (BSs) that cooperate through a fusion ?

Mar 1, 2025 The experimental results show that the QARP proposed in this paper outperforms existing multi-BS routing and Q-learning based routing protocols in terms of delay, packet ?

Jun 11, 2025 It delves into UAV communication and location collaboration technology oriented towards base stations sensing, with a primary focus on the communication-sensing issues of ?

Jun 23, 2022 The collaborative sensing of multiple Integrated sensing and communication (ISAC) base stations is one of the important technologies to achieve intelligent transportation. ?

Aug 19, 2023 Abstract?With the support of integrated sensing and communication (ISAC) technology, mobile communication system will integrate the function of wireless sensing, ?

Oct 31, 2023 In this work, we investigate the performance of a joint sensing and communication (JSC) network consisting of multiple base stations (BSs) that cooperate through a fusion ?

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Jun 12, 2025 This paper considers a multi-UAV enabled wireless communication system, where multiple UAV-mounted aerial base stations (BSs) are employed to serve a group of users on ?

Nov 20, 2015 Multiple base stations (BSs) cooperation can effectively reduce the inter-cell interference and especially improve the performance of the cell-edge users, which has been ?

Jan 27, 2025 Integrated sensing and communication (ISAC) has opened up numerous game-changing opportunities for future wireless systems. In this paper, we develop a novel scheme ?

Nov 27, 2023 Driven by the intelligent applications of sixth-generation (6G) mobile communication systems such as smart city and au-tonomous driving, which connect the ?

Jun 12, 2025 It delves into UAV communication and location collaboration technology oriented towards base station sensing, with a primary focus on the communication-sensing issues of ?

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