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Title: Probability of communicating with green base station

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Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide coverage, ...

In this survey, we first present facts and figures that highlight the importance of green mobile networking, and then review existing green cellular networking research with particular focus on techniques that ...

To cater to the rising mobile users, the demand for resources such as electricity and bandwidth at the base-station (BS) has boosted, thus increasing the information and communication...

We demonstrate that this model achieves good estimation performance, and it is able to capture the benefits of energy saving when dealing with the complexity of multi-carrier base stations architectures.

The considerable energy consumption overhead involved in flying or hovering UAVs makes them less appealing for green wireless communications. Therefore, in this work, we examine ...

The TBA method employs device-to-device (D2D) relaying to bypass obstacles and maintain reliable connectivity. The MCN scheme combines cooperative communication with NOMA ...

In this paper, we propose a novel probability aware genetic algorithm for base station ON/OFF strategy in green communications. Our contributions mainly lie in two folds.

Solar energy is considered an economically attractive and eco-friendly option. This paper examines solar energy solutions for different generations of mobile communications by conducting a ...

To address this challenge, the present study develops a comprehensive mathematical modeling framework for bio-hybrid base stations ...

# Probability of communicating with green base station

We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

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