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Title: D2D communication of solar base stations

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D2D communication enhances spectrum efficiency and reduces the latency in 5G networks. But it faces key challenges such as unreliable direct links and severe interference due to ...

An energy efficient multi-level cluster based D2D communication protocol is introduced to maintain the cell operation even if the Base station is out of use. The protocol employs D2D ...

In 5G wireless networks, Device-to-Device (D2D) communications are critical, allowing direct connection across devices used by users, eliminating the requirement of data routing via the ...

By allowing user equipments (UE s) to communicate directly without routing data through the base station (BS), D2D communication can improve spectral efficiency (SE) and energy ...

Abstract--Device-to-device (D2D) where users communicate directly with each other with limited base station involvement can significantly improve spectral efficiency, energy ...

In order to meet the requirements of clean and low-carbon indicators in the new power system, while introducing clean energy into the base station system of the

Explore the architecture, benefits, challenges, and real-world applications of Device-to-Device (D2D) communication in 5G networks, enabling direct connectivity between devices.

This project addresses the theoretical foundations and the system design of a base-station assisted (BSA) device to device (D2D) network, where a large number of D2D local links coexist ...

An object of the present invention devised to solve the problemlies in a method for allowing a base station to support D2D communication in a wireless communication system.

D2D communication of solar base stations

In this study, Self Organizing Map (SOM) was adopted to cluster D2D devices, using the distance between the devices and the base station (BS) as the cluster input data.

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