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Title: Base station for cluster communication

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First, on the basis of in-depth analysis of the operating characteristics and communication load transmission characteristics of the base station, a 5G base station of ...

To minimize the long-term average delay under the constraint of the caching cost, a mixed integer non-linear programming (MINLP) problem is formulated by jointly optimizing ...

This paper provides some reference ideas for solving the problem of selecting and planning the base station site in the ...

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

This paper provides some reference ideas for solving the problem of selecting and planning the base station site in the communication network.

The problem of insufficient signal coverage of 5G base stations can be solved by building new base stations in areas with weak signal coverage. However, due to construction ...

In this study, we developed a stochastic model to analyse the information and communication interaction between a base station and a set of subscribers in a 5G cluster with ...

In the cluster, a node responsible for Intra- and inter-cluster communication is known as cluster head, whereas the other nodes that share their data to cluster head for communication are ...

To do so, the BS requires extensive data from the nodes, which sometimes need complex hardware inside each node or a significant number of control messages. Alternatively, the ...

In the Base-Station Controlled Dynamic Clustering Protocol base station constructs cluster-to-cluster (CH-to-CH) routing paths, and carries out other energy-intensive tasks such as data ...

First, on the basis of in-depth analysis of the operating characteristics and communication load transmission characteristics of ...

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

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