Distributed power generation for radio communication base stations

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Network energy efficiency is a main pillar in the design and operation of wireless communication systems. In this paper, we investigate a dense radio access network (dense-RAN) ...

Our study introduces a communications and power coordination planning (CPCP) model that encompasses both distributed energy resources and base stations to improve communication quality ...

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With the increased deployment of cellular networks due to advanced transmission techniques, overall energy consumption of the telecommunication sector across the globe has grown. Numerous ...

The joint optimization problem of energy sharing, power allocation, and artificial noise is formed, and the optimal energy sharing method, power allocation, and Remote Radio Frequency ...

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