1. Record Nr. UNINA9910350301103321

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Titolo	5G Green Mobile Communication Networks / / by Xiaohu Ge, Wuxiong Zhang
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-6252-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 325 p. 127 illus., 121 illus. in color.)
Disciplina	621.382
Soggetti	Electrical engineering Microwaves Optical engineering Energy efficiency Communications Engineering, Networks Microwaves, RF and Optical Engineering Energy Efficiency
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Challenges of 5G Green Communication Networks -- Energy Efficiency of 5G Wireless Communications -- Energy Efficiency of Cellular Networks -- Energy Efficiency of 5G Multimedia Communications -- Wireless Resource Management for Green Communication -- Energy Efficiency & Collaborative Optimization Theory of 5G Heterogeneous Wireless Multi networks.
Sommario/riassunto	This book focuses on the modeling, optimization, and applications of 5G green mobile communication networks, aimed at improving energy efficiency and spectrum utilization in 5G systems. It offers a balance between theoretical analysis and engineering practice, providing in-depth studies of a number of major topics, such as energy consumption models, optimization, system design, implementation, and performance evaluation. It also discusses four aspects of green communication in detail: cellular networks, resource management, wireless transmissions and multi-media communications. Further, this unique book comprehensively and systematically discusses green optimization in wireless mobile communications. As such it is a

valuable resource for researchers, engineers, and graduate students in various fields, including telecommunications engineering, electrical and electronic engineering, and computer engineering, particularly those interested in green communications.