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Autore	Becerra Victor
Titolo	Optimisation, optimal control and nonlinear dynamics in electrical power, energy storage and renewable energy systems // Victor Becerra, Ahmed Rachid
Pubbl/distr/stampa	Basel : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2022
Descrizione fisica	1 online resource (414 pages)
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Livello bibliografico	Monografia
Sommario/riassunto	<p>The electrical power system is undergoing a revolution enabled by advances in telecommunications, computer hardware and software, measurement, metering systems, IoT, and power electronics. Furthermore, the increasing integration of intermittent renewable energy sources, energy storage devices, and electric vehicles and the drive for energy efficiency have pushed power systems to modernise and adopt new technologies. The resulting smart grid is characterised, in part, by a bi-directional flow of energy and information. The evolution of the power grid, as well as its interconnection with energy storage systems and renewable energy sources, has created new opportunities for optimising not only their techno-economic aspects at the planning stages but also their control and operation. However, new challenges emerge in the optimization of these systems due to their complexity and nonlinear dynamic behaviour as well as the uncertainties involved. This volume is a selection of 20 papers carefully made by the editors from the MDPI topic "Optimisation, Optimal Control and Nonlinear Dynamics in Electrical Power, Energy Storage and Renewable Energy Systems", which was closed in April 2022. The selected papers address the above challenges and exemplify the significant benefits that optimisation and nonlinear control techniques can bring to modern power and energy systems.</p>

2. Record Nr.	UNIORUON00128456
Autore	BHATTACHARYYA, Buddhadeva
Titolo	Bharatatirtha Pushkara / Buddhadeva Bhattacharyya
Pubbl/distr/stampa	Kalikata, : [s. n.], 1975
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Lingua di pubblicazione	Bengali
Formato	Materiale a stampa
Livello bibliografico	Monografia