

1. Record Nr.	UNINA9910983376503321
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Titolo	Active Control of Large-Scale Offshore Wind Farms Connected Via VSC-HVDC // by Wei Yao, Hongyu Zhou, Yongxin Xiong, Jinyu Wen
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819793464
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (288 pages)
Collana	Power Systems, , 1860-4676
Altri autori (Persone)	ZhouHongyu XiongYongxin WenJinyu
Disciplina	621.042
Soggetti	Renewable energy sources Electric power production Offshore structures Renewable Energy Electrical Power Engineering Offshore Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Structure and Control of Offshore Wind Farms Connected via VSC-HVDC -- Vector Modeling of Large-scale Offshore Wind Farms Considering Dynamic Collection Lines -- Active Energy Control of Converter Stations to Cope With Onshore Grid-Side Faults -- Enhancement Method for Grid-Side Fault Ride-Through Capability Based on Multi-Mode Matching -- Characteristics Analysis and Suppression of Onshore Valve-Side Fault -- Characteristics Analysis and Suppression of DC Submarine Cable Disconnection Fault -- Characteristics Analysis and Suppression of Offshore Wind-Farm-Side Fault -- Communication-Based Coordinated Control for Active Frequency Support -- Communication-Free Coordinated Control for Active Frequency Support -- Consensus-Based Distributed Frequency Support Control for Offshore Wind Farms -- Coordinated Frequency Support Control for Multi-AC Power Grids.
Sommario/riassunto	This book provides a detailed study of the active control methods for large-scale offshore wind farms connected via flexible high-voltage

direct current (VSC-HVDC) transmission systems. Firstly, it introduces the basic structure and fundamental control of offshore wind farms connected via VSC-HVDC systems, and proposes a vector modeling method for them. Furthermore, it analyzes the fault characteristics of offshore wind farms connected via VSC-HVDC systems under different fault conditions, and proposes an active fault suppression method based on energy control. Finally, it introduces the method of offshore wind farms connected via VSC-HVDC systems to support the grid frequency. From basic concepts to self-active safety control, and then to active support control of the grid, this book systematically introduces the active control methods of large-scale offshore wind farms connected via VSC-HVDC systems. In particular, it introduces some advanced control methods from the perspective of energy. This book is a useful reference for undergraduate and graduate students interested in offshore wind farms and VSC-HVDC, researchers studying fault ride-through and active frequency support of offshore wind farms connected via VSC-HVDC systems, as well as engineers.

2. Record Nr.	UNINA9910557555203321
Autore	Gallego Angel J
Titolo	Approaches to Language: Data, Theory, and Explanation
Pubbl/distr/stampa	Frontiers Media SA, 2020
Descrizione fisica	1 online resource (281 p.)
Soggetti	Psychology Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The study of language has changed substantially in the last decades. In particular, the development of new technologies has allowed the emergence of new experimental techniques which complement more

traditional approaches to data in linguistics (like informal reports of native speakers' judgments, surveys, corpus studies, or fieldwork). This move is an enriching feature of contemporary linguistics, allowing for a better understanding of a phenomenon as complex as natural language, where all sorts of factors (internal and external to the individual) interact (Chomsky 2005). This has generated some sort of divergence not only in research approaches, but also in the phenomena studied, with an increasing specialization between subfields and accounts. At the same time, it has also led to subfield isolation and methodological a priori, with some researchers even claiming that theoretical linguistics has little to offer to cognitive science (see for instance Edelman & Christiansen 2003). We believe that this view of linguistics (and cognitive science as a whole) is misguided, and that the complementarity of different approaches to such a multidimensional phenomenon as language should be highlighted for convergence and further development of its scientific study (see also Jackendoff 1988, 2007; Phillips & Lasnik 2003; den Dikken, Bernstein, Tortora & Zanuttini 2007; Sprouse, Schutze & Almeida 2013; Phillips 2013).
