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Autore	Abbott, Isabella Aiona
Titolo	Marine algae of California / Isabella A. Abbott and George J. Hollenberg ; with contributions by H. William Johansen ... [et al.]
Pubbl/distr/stampa	Stanford, CA, : Stanford university press, 1976
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Descrizione fisica	XII, 827 p. : ill. ; 25 cm.
Altri autori (Persone)	Hollenberg, George J.
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Autore	Su Shuai
Titolo	Energy-Efficient Train Operation : A System Approach for Railway Networks / / by Shuai Su, Zhongbei Tian, Rob M. P. Goverde
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Soggetti	Transportation engineering Traffic engineering Electric power-plants Energy policy Transportation Technology and Traffic Engineering Power Stations Energy Policy, Economics and Management
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Introduction to energy-efficient train operation -- Chapter 2. Energy-efficient strategies for train operation -- Chapter 3. Energy-efficient driving for a single train -- Chapter 4. Energy-efficient train timetabling -- Chapter 5. Optimisation of train timetables for regenerative braking -- Chapter 6. Energy-efficient train driving considering energy storage systems -- Chapter 7. Railway energy simulation considering traction power systems -- Chapter 8. Energy-efficient train operation: conclusion and future work.
Sommario/riassunto	This book is closely related to the energy conservation problem of rail transport systems, focusing on reducing the energy consumption of train operation. The system process of train operation is analyzed and the relationship between train operation and energy consumption is introduced. The fundamental theories, modelling and application of technologies for energy-efficient train driving are presented, discussing timely topics such as energy-efficient train control and

timetabling, integrated timetabling and regenerative braking, and maximizing regenerated energy usage with energy storage systems. In addition, the modelling and application of a traction power simulation platform is introduced, to calculate the detailed energy flow over a railway network. The book is enriched with a set of practical examples to illustrate the performance of the proposed methods in improving energy efficiency of both urban and long-distance trains. Overall, the book provides a timely guide to professionals in the railway industry, and to researchers and graduate students in transport, electrical and control engineering. .
