1. Record Nr. UNINA9910372784803321

Autore	Marco James
Titolo	Energy Storage and Management for Electric Vehicles
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2020
ISBN	3-03921-863-8
Descrizione fisica	1 online resource (238 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This Special Edition of Energies on "Energy Storage and Management for Electric Vehicles" draws together a collection of research papers that critically evaluates key areas of innovation and novelty when designing and managing the high-voltage battery system within an electrified powertrain. The addressed topics include design optimisation, mathematical modelling, control engineering, thermal management, and component sizing.

2. Record Nr. UNINA9910350302703321

Autore	Azizi Aydin
Titolo	Computer-Based Analysis of the Stochastic Stability of Mechanical Structures Driven by White and Colored Noise / / by Aydin Azizi, Poorya Ghafoorpoor Yazdi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-6218-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XV, 93 p. 34 illus., 19 illus. in color.)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	620
Soggetti	Multibody systems Vibration Mechanics, Applied Mathematical physics Multibody Systems and Mechanical Vibrations Theoretical, Mathematical and Computational Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	What is Noise?- What is White Noise?- Mechanical structures -- Stochastical Systems -- Overall Methodology Description.
Sommario/riassunto	This book provides a concise introduction to the behavior of mechanical structures and testing their stochastic stability under the influence of noise. It explains the physical effects of noise and in particular the concept of Gaussian white noise. In closing, the book explains how to model the effects of noise on mechanical structures, and how to nullify / compensate for it by designing effective controllers.