

1. Record Nr.	UNISALENT0991004308237607536
Titolo	Amadís de Gaula / Garcí Rodríguez de Montalvo ; edición de Juan Manuel Cacho Blecua
Pubbl/distr/stampa	Madrid : Cátedra, 2022
ISBN	9788437606934
Edizione	[14 ed.]
Descrizione fisica	2 v. ; 18 cm.
Collana	Letras hispánicas ; 255-256
Altri autori (Persone)	Rodríguez de Montalvo, Garcíaauthor Cacho, Juan Manuel
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910473447903321
Autore	Ewert Amelie
Titolo	Small Electric Vehicles : An International View on Light Three- and Four-Wheelers
Pubbl/distr/stampa	Springer Nature, 2021 Cham : , : Springer International Publishing AG, , 2021 ©2021
ISBN	3-030-65843-0
Descrizione fisica	1 online resource (193 pages)
Classificazione	TEC009020TEC009090TEC031000
Altri autori (Persone)	SchmidStephan BrostMascha DaviesHuw (Huw Charles) VincckxLuc
Disciplina	629.2293
Soggetti	Power generation & distribution Automotive technology & trades Highway & traffic engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

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Sommario/riassunto

This edited open access book gives a comprehensive overview of small and lightweight electric three- and four-wheel vehicles with an international scope. The present status of small electric vehicle (SEV) technologies, the market situation and main hindering factors for market success as well as options to attain a higher market share including new mobility concepts are highlighted. An increased usage of SEVs can have different impacts which are highlighted in the book in regard to sustainable transport, congestion, electric grid and transport-related potentials. To underline the effects these vehicles can have in urban areas or rural areas, several case studies are presented covering outcomes of pilot projects and studies in Europe. A study of the operation and usage in the Global South extends the scope to a global scale. Furthermore, several concept studies and vehicle concepts on the market give a more detailed overview and show the deployment in different applications.
