

1.	Record Nr.	UNISALENTO991004308237607536
	Titolo	Amadís de Gaula / Garci 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, Garciaauthor 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) VinckxLuc
	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.
