

1. Record Nr.	UNINA9911020095203321
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Titolo	Solar Energy Concentrators : Essentials and Applications
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9781394204533 1394204531 9781394204526 1394204523
Edizione	[1st ed.]
Descrizione fisica	1 online resource (324 pages)
Altri autori (Persone)	LuqmanMohammad
Disciplina	621.472
Soggetti	Solar concentrators Solar energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Sommario/riassunto

This book, edited by Inamuddin, Tariq Altalhi, and Mohammad Luqman, provides an in-depth exploration of solar energy concentrators, focusing on the essentials and applications of these technologies. It covers various solar tracking systems, solar radiation models, and the principles and limitations of solar concentrators. The book discusses different types of solar concentrators, their components, and material properties, along with thermodynamic and optical considerations. It aims to guide researchers, engineers, and students in the field of renewable energy, particularly solar power. The book also explores the feasibility and deployment of concentrated solar power technologies globally, and provides insights into future perspectives and innovations in solar energy concentration.
