

1. Record Nr.	UNINA9910734853503321
Autore	Tewari Abhishek
Titolo	Proceedings of the 3rd International Conference on Advances in Materials Processing: Challenges and Opportunities : AMPCO 2022, 17-19 Oct, Roorkee, India // edited by Abhishek Tewari, Nikhil Dhawan, Gautam Agarwal, Sourav Das, Sumeet Mishra, Anish Karmakar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9919-71-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (263 pages)
Collana	Springer Proceedings in Physics, , 1867-4941 ; ; 293
Altri autori (Persone)	DhawanNikhil AgarwalGautam DasSourav MishraSumeet KarmakarAnish
Disciplina	670.42
Soggetti	Physics Metals Building materials Corrosion and anti-corrosives Materials Catalysis Force and energy Industrial engineering Production engineering Applied and Technical Physics Metals and Alloys Steel, Light Metal Corrosion Materials for Energy and Catalysis Industrial and Production Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Contents -- Contributors -- Part I Advanced Materials

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### Sommario/riassunto

This book presents peer reviewed articles from the 3rd International Conference on Advances in Materials Processing: Challenges and Opportunities (AMPCO 2022), held at IIT Roorkee, India. It highlights recent progress made in the fields of materials processing, advanced steel technology and materials for sustainability. The conference is also special as it is being organized on the occasion of 60 years of the department of metallurgical and materials engineering as well as 175 years of IIT Roorkee.

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