

1. Record Nr.	UNINA9911018643103321
Autore	Manish Kumar
Titolo	Recent Advances in Functional Materials, Volume 2 : Select Proceedings of RAFM 2024 // edited by Manish Kumar, Anjani Kumar Singh, Subhash Sharma, Devendra Kumar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9651-66-2
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (491 pages)
Collana	Springer Proceedings in Materials, , 2662-317X ; ; 69
Altri autori (Persone)	SinghAnjani Kumar SharmaSubhash KumarDevendra
Disciplina	620.11
Soggetti	Materials Biomaterials Catalysis Force and energy Materials for Devices Materials for Energy and Catalysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Facile synthesis of double perovskite La ₂ CoFeO ₆ by glycine-nitrate combustion method.-Potential of Nano Spinel Ferrites in Energy Storage Applications through Supercapacitors -- Synthesis, Characterization and Study of EMI Shielding Properties of Polypyrrole/rGO Nanocomposites -- Cuprate Superconductors: An Overview -- Enhancing Tribological Performance of Aluminum Composites: Waste-Derived Graphite as ex- situ reinforcement -- State-of-the-art neem leaf extract-assisted green MgO nanoparticles for multifaceted applications -- otential Applications of Spinel Nano Ferrites in Humidity Sensors.-Etc.
Sommario/riassunto	This volume presents the select proceedings of International Conference on Recent Advances in Functional Materials (RAFM 2024). It covers a wide range of topics such as multifunctional materials, 2D materials, biomaterials, materials for environmental studies, DFT and solar simulation of materials, perovskite and double perovskite

materials, luminescent materials, smart materials, materials for energy conversion and storage, smart materials, advanced functional materials, polymeric materials, composites, liquid crystals, materials for sustainable development, nanomaterials and thin films, smart devices and quantum dots synthesis technique, and characterization tools with application in smart devices. The book will be useful for researchers and professionals working in various areas of materials science.
