1. Record Nr. UNINA9910767578203321

Titolo	The 3rd International Conference on Nanomaterials and Advanced Composites : Proceedings of NAC 2022, July 15-17, Tokushima, Japan / / edited by Ri-ichi Murakami, Mikito Yasuzawa, Yoshinobu Shimamura, Pankaj Koinkar, Hairus Abdullah, Antonio Nakagaito
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9971-53-5
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (99 pages)
Collana	Springer Proceedings in Physics, , 1867-4941 ; ; 298
Disciplina	620.11
Soggetti	Nanoscience Ceramic materials Microtechnology Microelectromechanical systems Nanochemistry Polymers Nanophysics Ceramics Microsystems and MEMS
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Damage Behavior of Carbon/Epoxy Laminated Composites Composed of Super-Thin Plies -- Tensile Properties of Fiber-reinforced Plastic-based Epoxy Prepregs Storable at Room Temperature -- Effect of Process Parameters on Feasibility of Production of Cellulose Nanofiber Yarn by Wet Spinning -- Synthesis of N-methyl-D-glucamine Modified Chitosan Nanofibers for Boron Adsorption -- Practical Microfluidic Technologies for In-Vitro Diagnostic Devices -- In-situ Growth of Silicon Nanowires Array and its Field Emission Behavior -- Photoluminescence property of Nano Silica Mixed YAG:Ce Phosphors -- In Situ Observation of Crystal Growth Processes -- Approach for Achieving Effective Photocatalytic Activity Under Visible Light of WO3-x/ SnO2 Produced by Laser Ablation Method -- Study on Cellulose Nanofiber Molding by 3D Printing.

Sommario/riassunto

This book highlights the cutting-edge research being carried out by materials scientists from diverse countries like India, China, Taiwan, South Korea, and Japan. It is a source of new ideas and approaches to tackle problems in the area, serving as a reference for people from academia and industry to apply the acquired insights in the lab and working ground. As the related conference focuses on the field of materials science and engineering covering nanomaterials and advanced composites, the proceedings target a specific audience profile consisting of students, academics, and professionals involved in the area of composite materials.