

1. Record Nr.	UNISA996385690903316
Autore	Strafford Thomas Wentworth, Earl of, <1593-1641.>
Titolo	Strafforiados. The lieutenant's legend [[electronic resource] ] : as it was first compared, and now published, according to the originall copie. Writ by his owne hand in the Tower
Pubbl/distr/stampa	[London, : s.n.], Printed in the yeare, 1652
Descrizione fisica	[4], 28 p
Soggetti	English poetry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Place of publication from Wing. Caption title on p. 5: The lieutenant's lachrymÃ!: or, His last good-night. Reproduction of the original in the Bodleian Library.
Sommario/riassunto	eebo-0014

2. Record Nr.	UNINA9910767559503321
Autore	Ikhmayies Shadia Jamil
Titolo	Advanced Composites // edited by Shadia Jamil Ikhmayies
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031427312 3031427319
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (655 pages)
Collana	Advances in Material Research and Technology, , 2662-477X
Disciplina	620.118
Soggetti	Composite materials Metals Composites Metals and Alloys
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Classification and Application of Advanced Composite Materials -- Chapter 2: Advanced Composites of Nanomaterials and their Applications -- Chapter 3: Advances in Composites for Solid-phase (Micro) extraction -- Chapter 4: Composite Materials for Ballistic Applications -- Chapter 5: Additive manufacturing for complex geometries in polymer composites -- Chapter 6: Eco/Friendly polymer-based composites for nuclear shielding applications -- Chapter 7: Mechanical and Tribological Behaviour of Hybrid Polymer and Hybrid Sandwich Composites -- Chapter 8: Nanocomposites Based on Conducting Polymers and Nanomaterials Derived from Natural Polymers -- Chapter 9: Mechanical and sliding wear performance of ZA27-Gr alloy composites for bearing applications: Analysis using Preference Selection Index Method -- Chapter 10: Mechanical and Tribological aspects of Aluminium alloy composites for Gear application - A Review -- Chapter 11: Microcavity Mediated Light Emissions from Plasmonic and Dielectric Composites -- Chapter 12: Fabrication and Application of Graphene Composite Materials -- Chapter 13: Sustainable grinding performances of Nano SiC reinforced Al matrix composites under Minimum Quantity Lubrication (MQL) -- Chapter 14: Waste-based zeolites and their advanced composites for wastewater and

environmental remediation applications -- Chapter 15: Advanced composites for drug adsorption -- Chapter 16: Advances in manufacturing and processing of discontinuous particle reinforced titanium matrix composites (TMCs) -- Chapter 17: Metal based Electrical Contact Materials -- Chapter 18: Organosulfur polymer composites by free radical polymerization of sulfur with vegetable oils -- Index.

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## Sommario/riassunto

This book presents a comprehensive collection of reviews and experimental research findings in the realm of composite materials. It explores manufacturing technologies and applications, as well as recent breakthroughs in nanomaterial-based composites, polymer-based composites, titanium matrix composites (TMCs), conducting polymers, natural polymers, graphene polymers, graphene composites, and organosulfur polymeric composites, alongside reinforced aluminum matrix composites. The mechanical and tribological aspects take center stage, with a focus on aluminum alloy composites as a superior alternative to traditional gear materials. The book also addresses cutting-edge composite materials developed for drug removal via adsorption techniques, radiation shielding, and their use as shielding absorbers for ionizing radiation. Furthermore, the significance of electrical contact materials and their performance is explored. The book unveils fabrication methods, sample preparation techniques, properties, and various applications of these remarkable composites. Topics range from additive manufacturing to solid-phase extraction and solid-phase microextraction utilizing diverse composites as adsorbents. Additionally, the inverse vulcanization process, a novel technique involving the copolymerization of elemental sulfur with different monomers based on their resource origins, is discussed. Technologies such as powder metallurgy (PM), mechanical alloying (MA), self-propagating high-temperature synthesis (SHS), and rapid solidification processing (RSP) are described. The book further delves into the preparation techniques of zeolite using both conventional and advanced methods, along with the synthesis of various zeolite-based composites, particularly their application in environmental remediation. The book culminates with a summary of analysis and modeling techniques used in composite materials, including those employed in ballistic applications.

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