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Sommario/riassunto	This book presents select proceedings of the 7th Asian Symposium on Materials and Processing (ASMP 2024). The collection covers and responds to the immediate need for new, innovative and advanced materials and processing methods to optimize global needs and go well with sustainable development goals. The book represents various topics such as metals, ceramics, polymers and especially sustainable material processing and characterization. It showcases the remarkable potential of these materials in biomedical and healthcare, various industries ranging from automotive, aerospace, defence, building construction, marine electronics and communications, energy storage/harvesting, heavy equipment, machinery and goods and semiconductor materials. In addition to the material, this is brief about

the innovative processing techniques such as small and digital manufacturing, additive manufacturing, and advanced coating process. Also, it focuses on the direction of numerical modelling and simulation of complex material modelling to analyse the properties and behaviour during and after fabrication. This book is a valuable resource for researchers, postgraduate students, and professionals interested in staying at the forefront of multifunctional advanced materials and their processing. .
