



materials



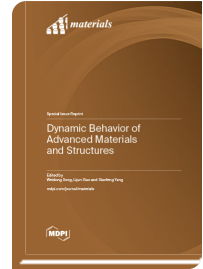
Special Issue Reprint

Dynamic Behavior of Advanced Materials and Structures

www.mdpi.com/books/reprint/11301

Edited by
Weidong Song
Lijun Xiao
Xianfeng Yang

ISBN 978-3-7258-4584-2 (Hardback)
ISBN 978-3-7258-4583-5 (PDF)



With the growing use of advanced materials and structures in extreme environments—such as under high-speed impacts and explosions—understanding their dynamic response has become crucial. This Special Issue, “Dynamic Behavior of Advanced Materials and Structures”, explores the mechanical performance of metamaterials, composites, and lightweight sandwich structures under dynamic loading. By investigating their behavior in extreme conditions, researchers can optimize materials and enhance structural safety and reliability. Featuring ten publications (nine research articles and one review), this issue highlights cutting-edge theoretical, experimental, and simulation studies. The included Editorial provides a concise overview of these contributions, offering valuable insights for engineers and scientists in the field.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11301

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.