



*materials*

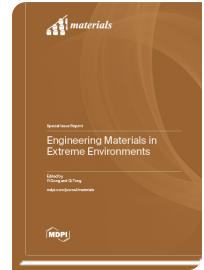


*Special Issue Reprint*

## Engineering Materials in Extreme Environments

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This Special Issue, entitled “Engineering Materials in Extreme Environments”, aims to gather cutting-edge research and provide a comprehensive overview of the structures, properties, processing, and performance of engineering materials in extreme environments. By bringing together experts from various fields, it seeks to advance the understanding of material behaviors under extreme conditions and promote the development of new materials and technologies that can withstand these challenges.

The 11 peer-reviewed papers published in this Special Issue cover a wide range of topics, from fundamental research on material properties to practical studies on component performance in specific industries. These papers include experimental investigations, numerical simulations, and failure analysis case studies of engineering equipment/materials in extreme environments and demonstrate the practical applications of these materials and provide valuable insights into material science and engineering.

We believe that this Special Issue will serve as a valuable resource for researchers, engineers, and students working in the field of engineering materials in extreme environments. It will provide a foundation for future research and development efforts aimed at improving the performance and reliability of materials in demanding applications. We hope that this collection will inspire further innovation and collaboration in this critical area.



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