



crystals



Special Issue Reprint

Advanced Crystalline Materials, Mechanical Properties and Innovative Production Systems

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The Special Issue of Crystals entitled “Advanced Crystalline Materials, Mechanical Properties and Innovative Production Systems” has been completed. A total of 17 articles were published. Materials with a crystalline structure are among the most frequently used construction materials. Thanks to this crystalline structure, they are characterized by several beneficial mechanical and exploitation properties. In recent years, many discoveries and advances have been made in materials engineering, which materials scientists are using to create countless materials using prediction and modeling systems, modern technologies, and manufacturing techniques that enable the ability to obtain advanced materials. These materials include high-quality materials, composites, and nanomaterials. For many of the emerging material solutions today, the main focus has been the mechanical properties of the materials. These properties are shaped by the appropriate microstructure composition and obtaining phases with appropriate properties using modern manufacturing techniques and advanced research methods. As a result, crystalline materials are used on a large scale in land and water construction, automotive, aviation, and space engineering, as well as in the power industry. We hope that readers will find interesting articles in this Special Issue Reprint of Crystals.



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