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Laser Processing and Multi-Energy Field Manufacturing of High-Performance Materials

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Message from the Guest Editors

The laser is a major invention of the 20th century, along with atomic energy, the computer and semiconductors. Laser processing technology is non-contact, which is suitable for the processing and manufacturing of various materials without cutting forces. At the same time, composite processing technology is also gradually developing. The composite manufacturing of multiple energy fields can benefit from the advantages of various single energies.

This Special Issue will summarize recent advances in the fields of laser processing and multi-energy field composite manufacturing. Articles published in this Special Issue will cover a variety of topics including, but not limited to, laser processing, special processing technology, high speed cutting, digital manufacturing, beam modulation, multi-energy field manufacturing, hybrid machining, five-axis machining, and surface quality. This Special Issue aims to showcase the latest achievements in the fields of laser processing and multi-energy field composite manufacturing, solicit the most important discoveries, highlight the challenges of processing mechanisms, theories and technologies, and provide an outlook on future directions.

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Message from the Editor-in-Chief

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