

Special Issue

Laser-Induced Self-Formed Structures: From Physical Phenomena and Theoretical Concepts to Engineering Applications

Message from the Guest Editors

Laser processing provides a practical means of generating structures with fine profiles at the micro-/nanoscale. However, the scale of features strongly depends on the laser wavelength due to the diffraction limit. On the other hand, there is no diffraction-limited constraint imposed on the scale of laser-induced self-formed structures. This kind of structure is the result of surface behavior after the irradiation of a specific laser. Therefore, investigation of the formation and characteristics of these structures and relevant laser processing technologies is of great significance for the processing of micro-/nanostructures.

Keywords:

- laser processing
- self-formed structures
- micro/nano
- surface behavior

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