



materials



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Advances in Laser Processing of Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

As a new set of material processing tools, Lasers have been attracting intense research interest in terms of their potential for additive, subtractive, and formative manufacturing systems. Researchers across various disciplines are achieving rapid progress in areas such as ultrafast or precise laser machining, advanced laser 3D printing methods, the physics underlying novel laser shock processing, emerging laser induction of 2D materials and the hybrids, new laser sources, cutting-edge laser annealing, and welding approaches and applications. Furthermore, artificial intelligence is becoming highly integrated with advanced manufacturing. This Special Issue aims, therefore, at connecting multidisciplinary academic scholars including physicists, chemists, optical/mechanical/materials engineers, and data scientists, as well as industry stakeholders and government officials, for the advancement and application of laser processing of materials. Modeling, experimental, numerical, and design works are all welcome submissions.



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Message from the Editor-in-Chief

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