Editor's note

During the past decade, prosperous development and fruitful achievements have been accomplished in the field of Terahertz (THz) science and technology, including THz sources, THz detection, THz transmission and the functional components. THz science and technology can be employed in wide areas, such as physics, chemistry, biomedicine, materials, astronomy, atmospheric and environmental monitoring, anti-terrorist and national security, and communication. Currently, THz science and technology and its applications have attracted much attention from scientists and researchers worldwide.

In China, there are more than 50 groups with hundreds of researchers engaged in THz research till now, and the number is still growing. Thanks to the support of various national research resources, systematic research on THz science and technology has been implemented. Hopefully, much more innovative research results will be achieved in the future.

This special focus on THz science and technology contains 15 papers, covering the topics on THz sources, THz detection, THz transmission and functional components, and THz application. These papers, however, only represent a small part of the state-of-the-art research achievements in China in recent years. The co-guest editors hope that the publication of this focus will promote the further development of THz science and technology in China.

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