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Photoactive Nanomaterials for Sensitive and Selective Determination of Trace Analytes

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Message from the Guest Editor

Sensitive and selective determination of various analytes using photoactive nanomaterials will be covered in this special issue. In recent years, several types of photoactive nanomaterials have been developed and applied to ultrasensitive determination of trace amount of analytes. In general, these nanomaterials are used as a signaling reagent or a sample carrier. Compared to traditional signaling reagents, the photoactive nanomaterials provide excellent signaling characteristics and high photostability for a wide variety of analyses. In this special issue different photoactive nanomaterials and their applications in ultrasensitive determination will be described. These include: quantum dots, PEBBLEs, polymer fluorescent nanoparticles, silica fluorescent nanoparticles, gold nanoparticles and silver nanoparticles etc.



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Special Issue



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Message from the Editor-in-Chief

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