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# **Frontiers of Optomechanics of Nanocrystals**

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Deadline for manuscript submissions: closed (24 December 2021)

#### Message from the Guest Editors

The exploration of the materials world at micro- or nanoscale asks for significant manipulation technologies to control nanomaterials in precise and versatile manner. Optical manipulation in regarded as one of the most promising platform due to non-contact interaction, high accuracy, and flexibility in light management. Physically, optical manipulation arises from the optomechanic coupling during the light-matter interaction, which includes direct momentum transfer between photons and nanomaterials and multiple-field coupling to convert optical energy to mechanical energy. The response of nanocrystals to the light-generated force field provides opportunities to trap or actuate the nanocrystals for a variety of applications in functional photonic devices, biosensing and nanomedicine. We expect that this special issue will provide new guidance for the design of optomechanic nanosystems for future technical innovation and applications.









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### **Message from the Editor-in-Chief**

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