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# **Quantum Materials for Photonic Devices**

Guest Editor:

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## Message from the Guest Editor

In recent years, quantum materials have emerged concept across diverse fields of science and engineering. Quantum materials are a promising and broad class of materials that feature optical and electronic properties that can be engineered through their composition and crystal structure, such as quantum dots, quantum rods, quantum wells, etc. From a material and photophysics perspective, exciting opportunities remain in the understanding and harnessing of electrons in highly confined materials. In addition, photonic devices are components for creating, manipulating, or detecting light, such as laser diodes, lightemitting diodes, solar or photovoltaic cells, displays, optical amplifiers, etc. Therefore, "quantum materials" developed for photonic device applications could drive the commercialization of display and lighting applications and provide promising developments in the related fields









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

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