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New Developments in Perovskite Solar Cells

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Message from the Guest Editor

Perovskite solar cells have been pursued as the next-generation photovoltaic technology. With excellent optoelectronic traits, such as high absorption coefficient, long charge carrier diffusion length, high charge carrier mobility, defect tolerance, low exciton binding energy, and ambipolar charge transport, perovskites are captivating. With the rapid increase in power conversion efficiency to 25.5% (at cell level) already demonstrated by this technology, perovskites have the potential to deliver affordable solar electricity and thereby compete with the mainstream silicon photovoltaics.

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Dr. Ashim Gurung
Guest Editor



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Message from the Editor-in-Chief

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