9:00 AM - 9:20 AM

**[OLED4-1(Invited)] Anion Exchange Perovskite Quantum-Dots for Highly Efficient Light Emitting Devices**

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**Keywords:** Perovskite, Quantum-dots, Ligand exchange, Anion-exchange, LED

Perovskites quantum dots have attracted much attention for use in display and lighting applications, owing to their narrow band emission with high photoluminescence quantum yields, color tunability, and solution processability. Here, we demonstrate ligand-exchange and anion-exchange perovskite quantum dots using ammonium salts for use in highly efficient light-emitting devices.