

ELECTROLUMINESCENCE FROM SEMICONDUCTING  
POLYMERS

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Polymer-based electroluminescent(EL) devices have great potential for the information display and the light emitting device. Quantum efficiency and thermal, optical stability of the polymer light emitting diodes are the most important parameters to be considered for the qualification of the device performances. In this talk, blue light generation using the polymers with well-defined conjugated length and side chain polymer, photodegradation of poly(p-phenylenevinylene) polymer, improvement of the quantum efficiency of the EL devices by blending two polymers will be discussed.

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