

Oral Presentation

[EP3]Electrochromic Devices

Chair: Shuichi Maeda (Tokai University)

Co-Chair: Yoshihiko Hotta (Ricoh)

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6:05 PM - 6:20 PM

[EP3-4L]Ultrahigh Cycle Stability in an Electrochromic Device with Fe(II)-Based Metallo-Supramolecular Polymer

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Keywords:Electrochromic device, Metallo-supramolecular polymer, Low voltage , Cyclic stability

Ultrahigh cycle stability more than 100,000 cycles has been achieved in an electrochromic device with an Fe(II)-based metallo-supramolecular polymer layer and a modified counter electrode layer. The reversible color change between bluish-violet and colorless occurred at low applied voltages and the transmittance change reached >60%.