

Short Presentation

[EPp1-sp]Electronic Paper

Chair: Norihisa Kobayashi (Chiba Univ.)

Co-Chair: Haruhiko Okumura (Toshiba)

Thu. Nov 28, 2019 10:36 AM - 10:39 AM Room 107 (1F)

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[EPp1-sp-1L]Conducting Polypyrrole-Silica Nanocomposite Particles for Electrophoretic Display

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Keywords: Polypyrrole, Silica, Electrophoretic Display

We have prepared organic conducting nanocomposite particles that utilize polypyrrole as conducting parts and small silica particles as dispersants. We found that the polypyrrole-silica nanocomposite particles can be utilized as display elements for electrophoretic display and black inks for printed electronics due to their high colloid stability.