

Cover Picture

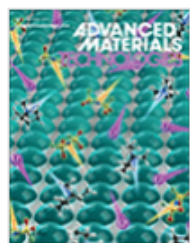
Batteries: Organic Ionic Plastic Crystal-Based Composite Electrolyte with Surface Enhanced Ion Transport and Its Use in All-Solid-State Lithium Batteries (Adv. Mater. Technol. 7/2017)

Xiaoen Wang, Haijin Zhu, George W. Greene, Yundong Zhou, Masahiro Yoshizawa-Fujita, Yukari Miyachi, Michel Armand, Maria Forsyth, Jennifer M. Pringle, Patrick C. Howlett

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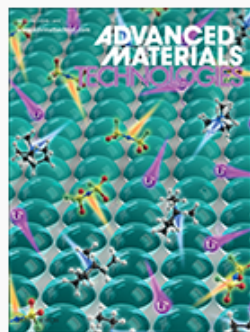
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Abstract



In article number 1700046, Patrick C. Howlett and co-workers report a new strategy to prepare an organic ionic plastic crystal (OIPC)-based solid electrolyte composite. Benefiting from the improved ion dynamics and conductivity, the new composite enables excellent cycling performance and stability of high energy density all-solid-state batteries with lithium metal anodes.