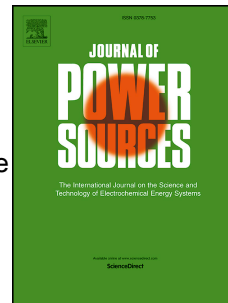


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Proton conducting, composite sulfonated polymer membrane for medium temperature and low relative humidity fuel cells

Dong Won Shin, Na Rae Kang, Kang Hyuck Lee, Doo Hee Cho, Ji Hoon Kim, Won Hyo Lee, Young Moo Lee



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Highlights

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- ♦ Composite membranes show enhanced mechanical property.
- ♦ Inorganic filler introduces well-defined hydrophilic ionic clusters into composite membranes.
- ♦ Composite membranes outperform pristine membrane at 120 °C and 35% RH.

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