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Comprehensive investigation of physicochemical and electrochemical properties of sulfonated poly (ether ether ketone) membranes with different degrees of sulfonation for proton exchange membrane fuel cell applications



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Research highlights

- Investigation of effect of different sulfonation reaction times on PEEK properties
- Preparation of SPEEK membranes with different degrees of sulfonation
- Investigation of thermal and mechanical properties of different SPEEK membranes
- Study of effect of DS on electrochemical and chemical properties of the membranes
- Proton conductivity measurements in different temperatures and relative humidities

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