Thermostable succinonitrile-based gel electrolyte for efficient, long-life dye-sensitized solar cells

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Supporting information:

Fig. 1 Photos of pure succinonitrile (A), succinonitrile-silica (silica: 7 wt % of succinonitrile) (B) at 60 °C, and succinonitrile-BMI-BF₄-silica (silica: 7 wt% of succinonitrile-BMI-BF₄) (C) at 80 °C.

Fig. 3 Photos of electrolyte-A and electrolyte-C at 80 °C, and electrolyte-B at 20 and 45 °C.

Fig. S1 Photos of pure succinonitrile (A), succinonitrile-silica (Silica: 7 wt % of succinonitrile) (B) at 20 °C.

Fig. S2 Photo of succinonitrile-BMI-BF₄ (1 mL BMI·BF₄ + 3.0 g succinonitrile) at 20 °C.

Fig. S3 Photos of the mixtures of succinonitrile-BMI-BF₄-silica (silica: 3-9 wt% of succinonitrile-BMI-BF₄) at 20 °C.

Fig. S4 Photo of BMI·BF₄-silica (silica: 3 wt% of BMI·BF₄) at 20 °C.

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