

Supplementary Material (ESI) for Journal of Materials Chemistry A
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Supporting Information

Table S1. Typical thermodegradation data of UV-KF, UV-HSi@KF, UV-
 $\text{Ce}_{0.8}\text{Ca}_{0.2}\text{O}_{1.8}$ @KF1 and UV-HSi- $\text{Ce}_{0.8}\text{Ca}_{0.2}\text{O}_{1.8}$ @KF1

Fiber	T_{di} (°C)	T_{max} (°C)	Y_c at 800 °C (wt%)
UV-KF	388.1	541.5	49.95
UV-HSi@KF	462.4	542.8	59.00
UV- $\text{Ce}_{0.8}\text{Ca}_{0.2}\text{O}_{1.8}$ @KF1	455.6	542.7	54.83
UV- HSi- $\text{Ce}_{0.8}\text{Ca}_{0.2}\text{O}_{1.8}$ @KF1	484.7	542.6	58.78