Electronic Supplementary Information

Microwave-assisted hydrothermal synthesis of solid-state carbon dots with intensive emission for white light-emitting devices

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Figure S1 (a) UV-vis absorption spectra, (b) PL emission spectra and (c) blue-to-red spectral composition of Si-CDs at different molar ratios of CA to KH-792.



Figure S2 (a) UV-vis absorption spectra, (b) PL emission spectra and (c) blue-to-red spectral

composition of Si-CDs at different temperatures.



Figure S3 PL emission spectra of C-CDs, K-CDs and Si-CDs prepared at the same conditions.



Figure S4 TGA curve of Si-CDs under N2 atmosphere.



Figure S5 PL spectra changes of as-prepared Si-CDs under continuous UV (λ_{ex} =365 nm) radiation. Inset: Dependence of PL intensity on radiation time for Si-CDs under 365 nm.



Figure S6 AFM image of Si-CDs.