Supporting Information

Thermal luminescence quenching of amine-functionalized silicon quantum dots: A pH and wavelength-dependent study

Surajit Chatterjee and Tushar Kanti Mukherjee*

Discipline of Chemistry, Indian Institute of Technology Indore, M-Block, IET-DAVV Campus, Khandwa Road, Indore-452017, M.P., India.

* Corresponding Author

E-mail: tusharm@iiti.ac.in, Tel: +91-731-2438738.
Figure S1. Changes in PL intensity for the heating and cooling processes in the second cycle at (a) pH 3.5 and (b) pH 7.4 with $\lambda_{\text{ex}}$ 375 nm and at (c) pH 3.5 and (d) pH 7.4 with $\lambda_{\text{ex}}$ 460 nm.
Figure S2. PL decay traces of Si QD at 278 K before (black) and after (red) heating in pH 3.5 solution.