

Supplementary Information

ZnS quantum dots impregnated-mesoporous TiO₂ nanospheres for enhanced visible light induced photocatalytic application

S. Harisha^a, M. Sabarinathan^a, A. Periyayaga Kristy^b, J. Archana^b, M. Navaneethan^{a*},

H. Ikeda^a, Y. Hayakawa^{b*}

^aResearch Institute of Electronics, Shizuoka University, 3-5-1 Johoku, Naka-ku, Hamamatsu,

Shizuoka 432-8011, Japan

^b SRM Research Institute, Department of Physics and Nanotechnology, SRM University,

Kattankulathur, Chennai, 603203, Tamil Nadu, India.

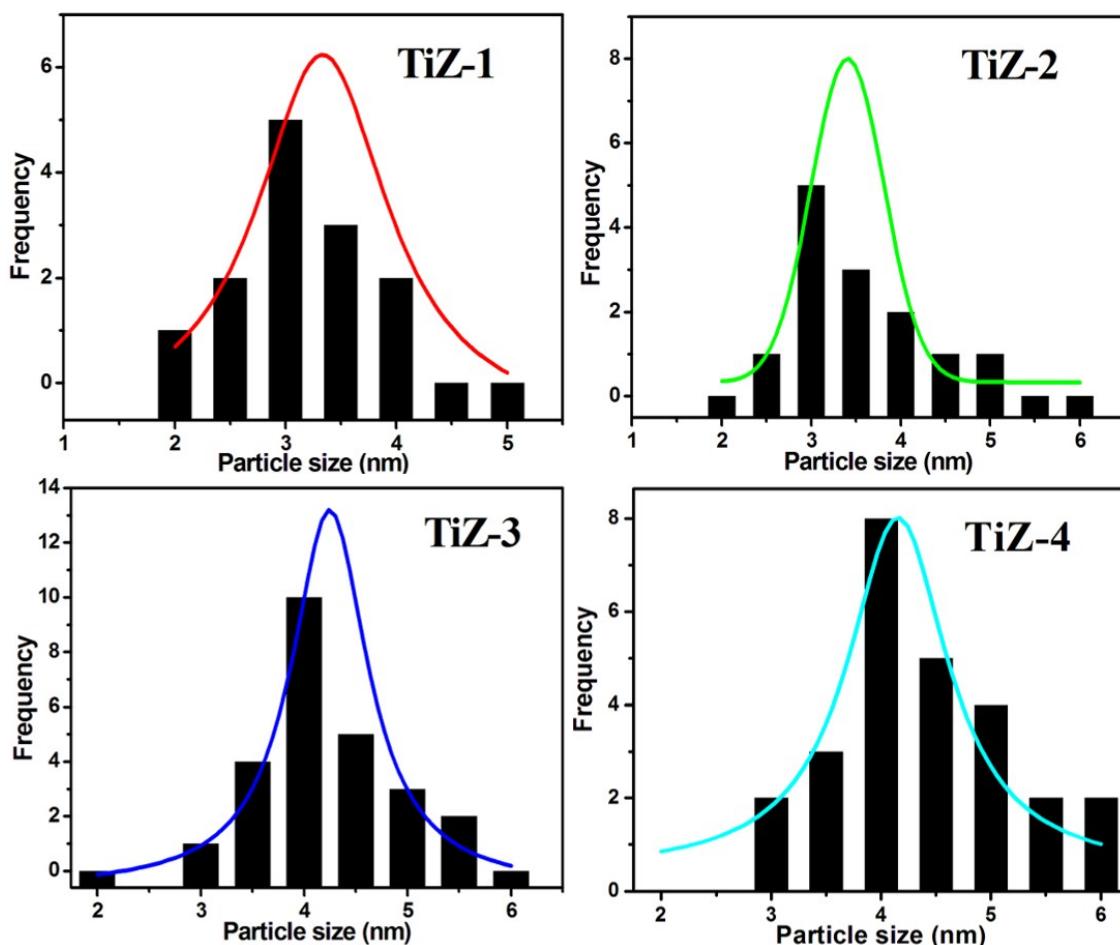


Fig. S1 Histograms of ZnS quantum dots size distribution in samples.

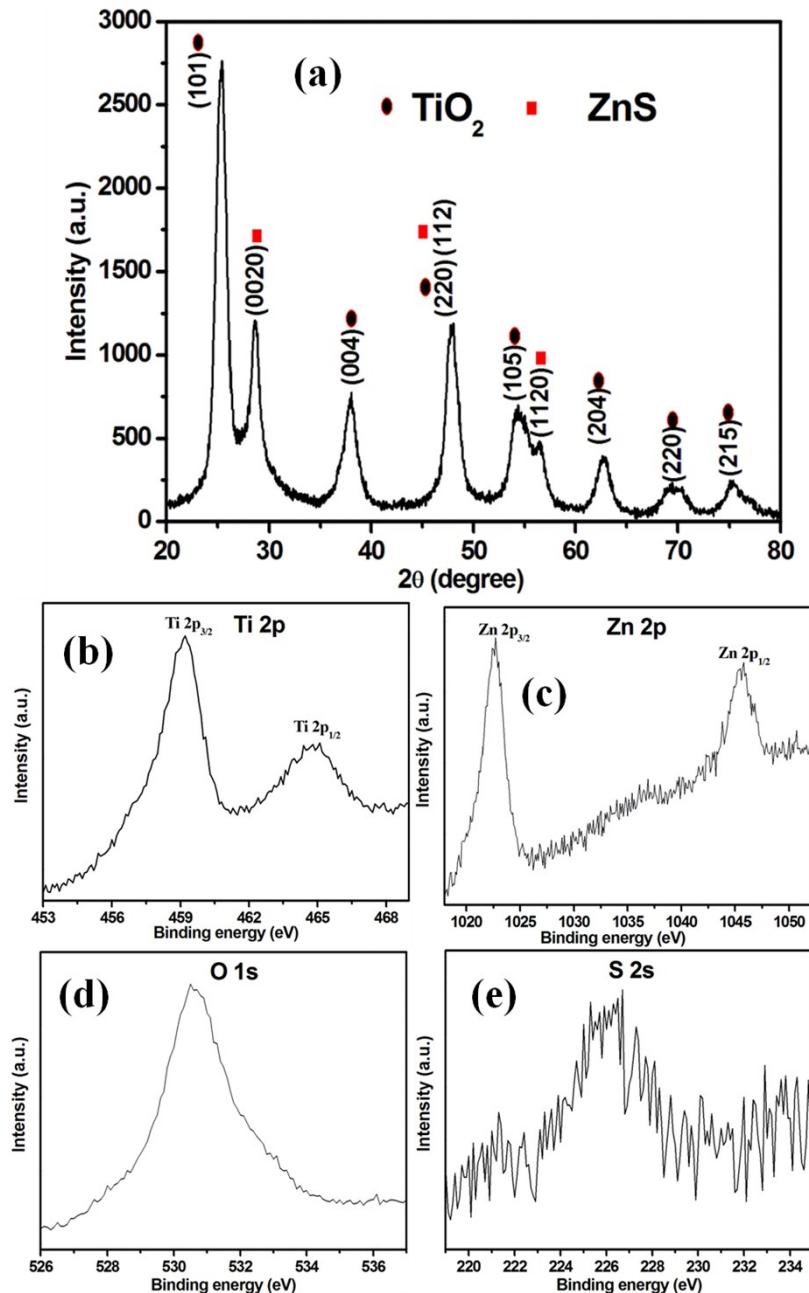


Fig. S2 XRD (a) and XPS spectra of (b) Ti 2p, (c) Zn 2p, (d) O1s and (d) S 2s states of sample TiZ-1 after photocatalytic reaction.