

## **Electronic Supplementary Information**

# **Role of Spectator Ions in Influencing the Properties of Dopant-free ZnO Nanocrystals**

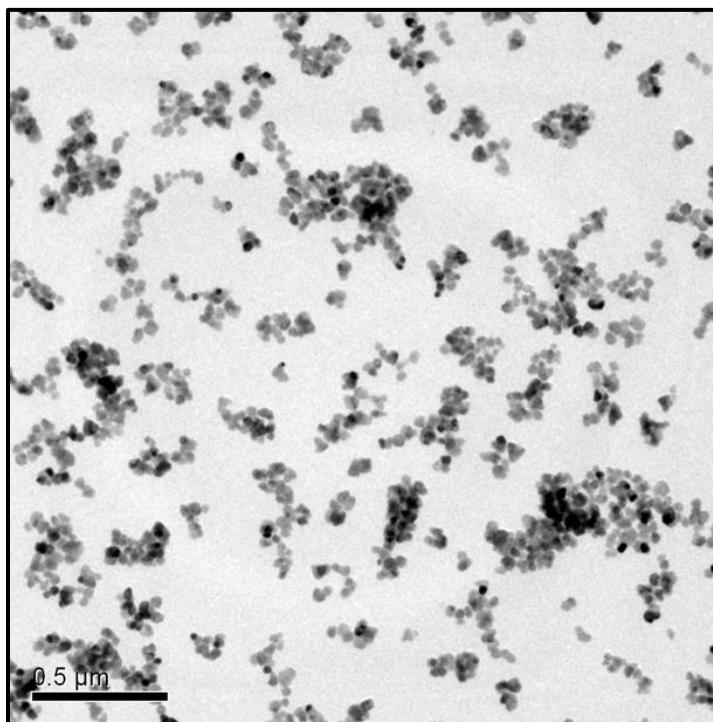
M. Ibrahim Dar,<sup>a,b</sup> Neha Arora,<sup>c</sup> Nagendra Pratap Singh,<sup>a,d</sup> S. Sampath,<sup>c</sup> and Srinivasrao A. Shivashankar\*<sup>a,b</sup>

<sup>a</sup> Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India. E-mail: shivu@cense.iisc.ernet.in; Fax: +91 80 2360 4656; Tel: +91 80 2293 3323

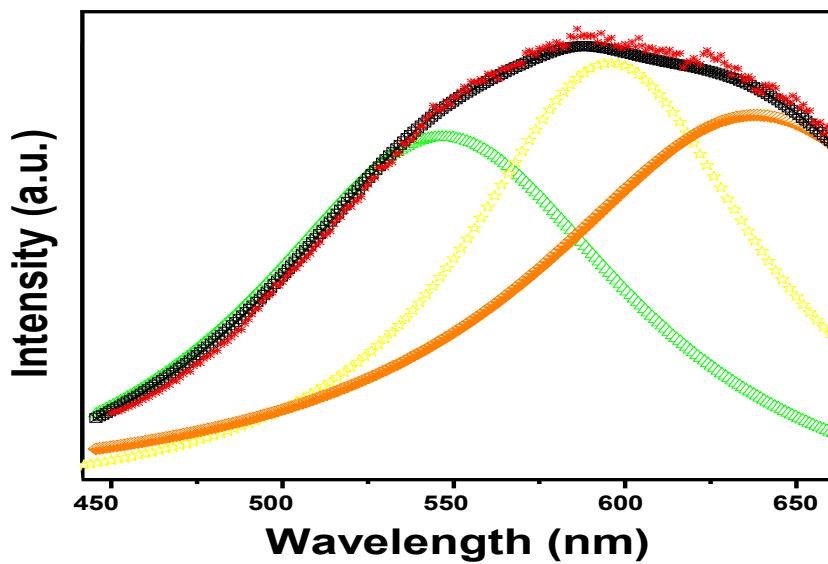
<sup>b</sup> Materials Research Centre, Indian Institute of Science, Bangalore 560012, India.

<sup>c</sup> Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560012, India.

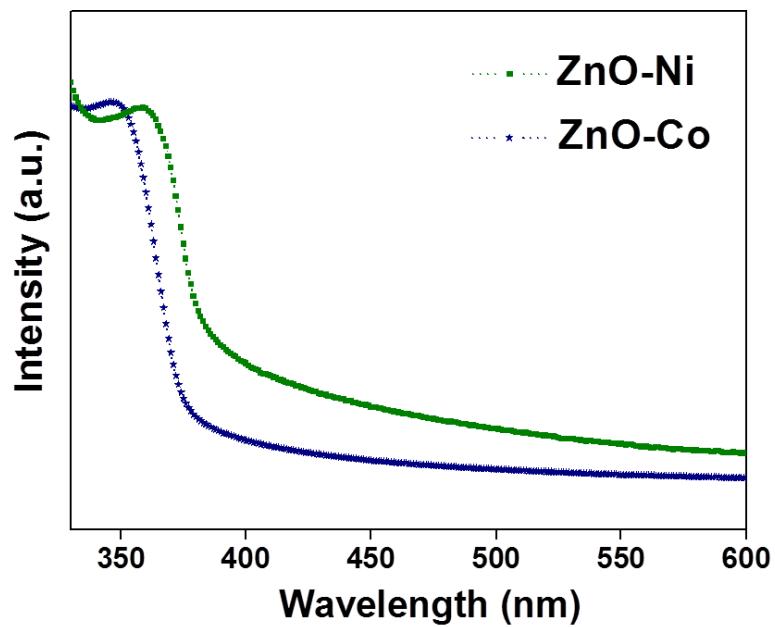
<sup>d</sup> Mechanical Engineering, Indian Institute of Science, Bangalore 560012, India.



**Fig. S1:** BFTEM image of pure ZnO nanocrystals.



**Fig. S2:** Deconvoluted photoluminescence spectrum of ZnO-Ni sample.



**Fig. S3:** UV-visible absorption spectra of ZnO-Co and ZnO-Ni.