Supporting Information

In-situ Aggregation of ZnSe Nanoparticles into Supraparticles: Shape Control and Doping Effects

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Table S1. The result of ICP-AES measurements for magnetic Fe_3O_4@ZnSe SPs.

Sample	Zn Concentration (g/ml)	ZnSe/(ZnSe+Fe_3O_4) molar ratio	Fe Concentration (g/ml)	Fe_3O_4/(ZnSe+Fe_3O_4) molar ratio
1	2.26	87	0.681	13
2	1.10	73	0.594	27

Figures:

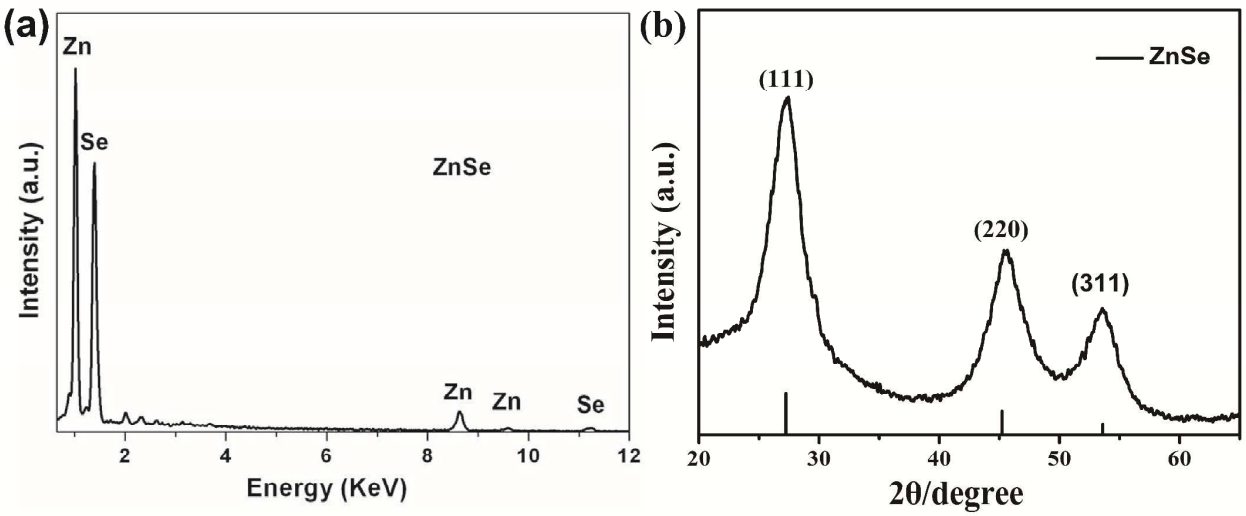

Figure S1. (a) EDS and (b) XRD spectrum of ZnSe SPs.

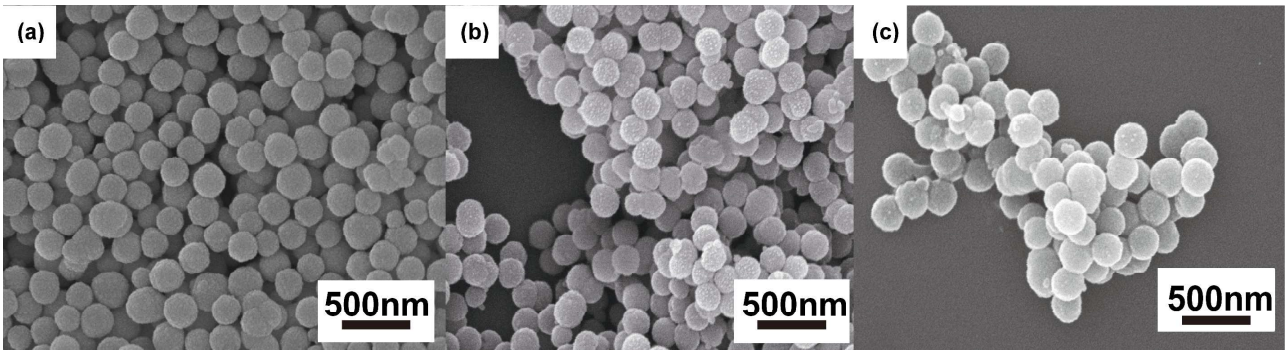

Figure S2. SEM images of magnetic Fe_3O_4@ZnSe SPs with Fe_3O_4/(ZnSe+Fe_3O_4) molar ratio of (a) 0%, (b) 13% and (c) 27%.

Figure S3. Photograph of ZnSe SPs and SiO_2@ ZnSe SPs.

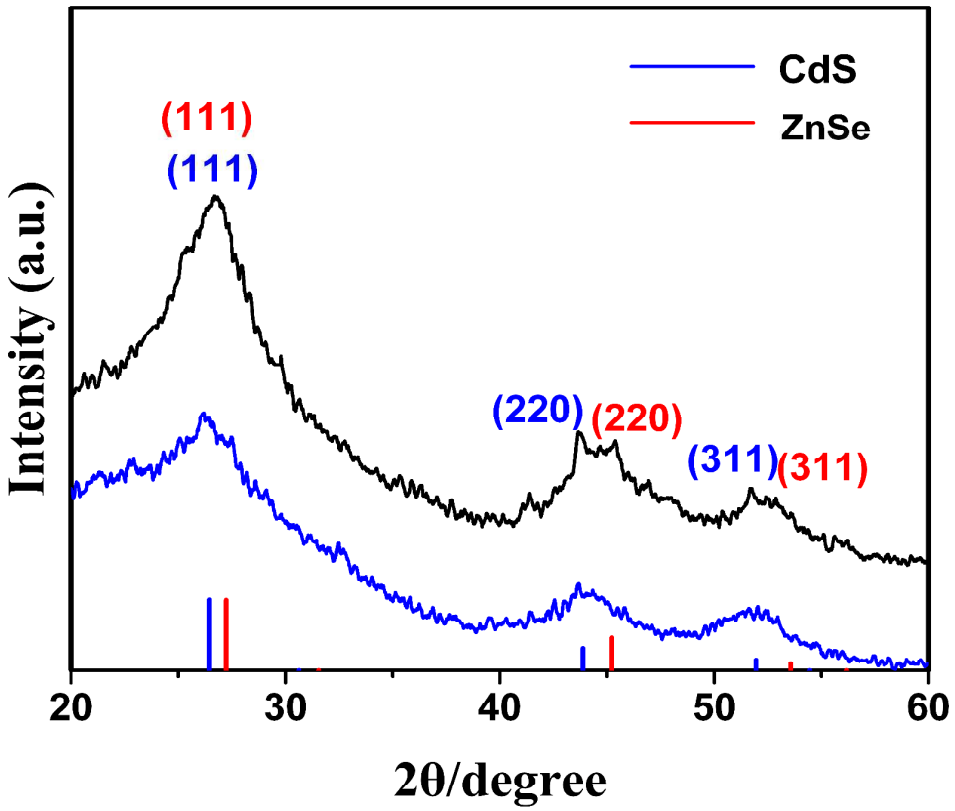

Figure S4. XRD patterns of CdS NPs (black line) and CdS@ZnSe SPs (blue line) and their corresponding standard patterns.