Electronic Supplementary Material (ESI) for RSC Advances.

Colour-Tunable Quantum Dots/Poly(NIPAM-*co*-AAc) Hybrid Microgels Based on Electrostatic Interactions

Yuting Cai[a,b], Gaolai Du[a], Guorong Gao[a], Jing Chen*[a], and Jun Fu*[a]

[a] *Division of Polymer and Composite Materials, Ningbo Institute of Material Technology and Engineering, Chinese Academy of Science, 1219 Zhongguan West Road, Ningbo 315201, P.R. China.*

[b] *Department of Chemistry, School of Science, North University of China, Taiyuan 030051, Shanxi Province, P.R. China.*

E-mail: jing.chen@nimte.ac.cn (J. C.); fujun@nimte.ac.cn (J. F.)

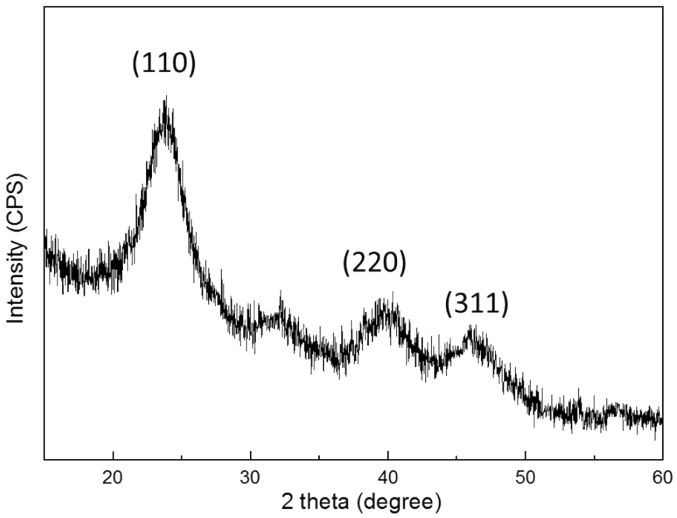

Fig. S1 XRD pattern of CA-CdTe QDs at reflux time of 60 min.

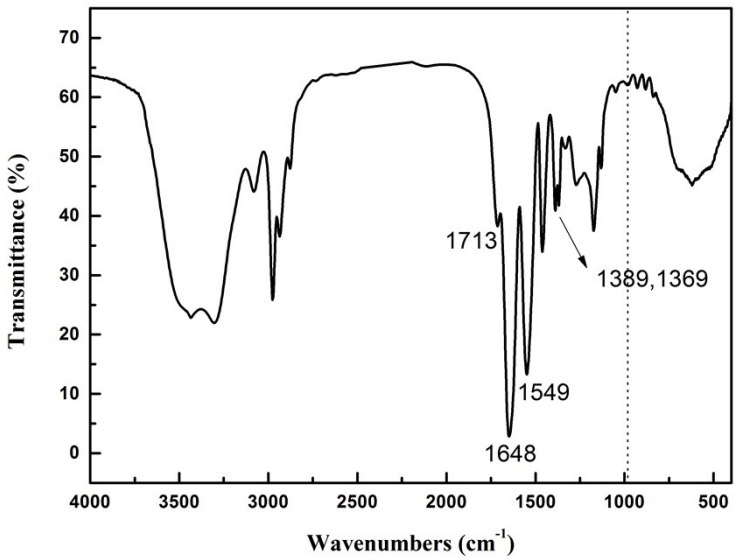

Fig. S2 FTIR spectrum of poly(NIPAM-*co*-AAc) microgels.

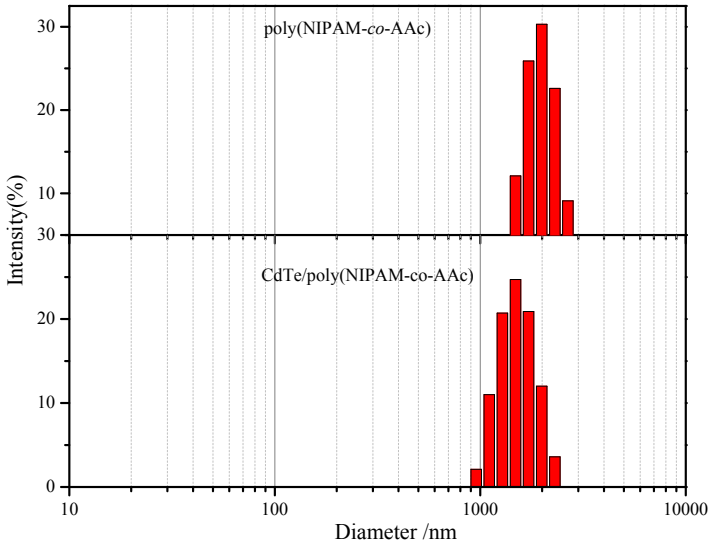

Fig. S3 Dynamic light scattering (DLS) histograms of poly(NIPAM-*co*-AAc) microgels and hybrid microgels determined at 25°C, pH = 4.

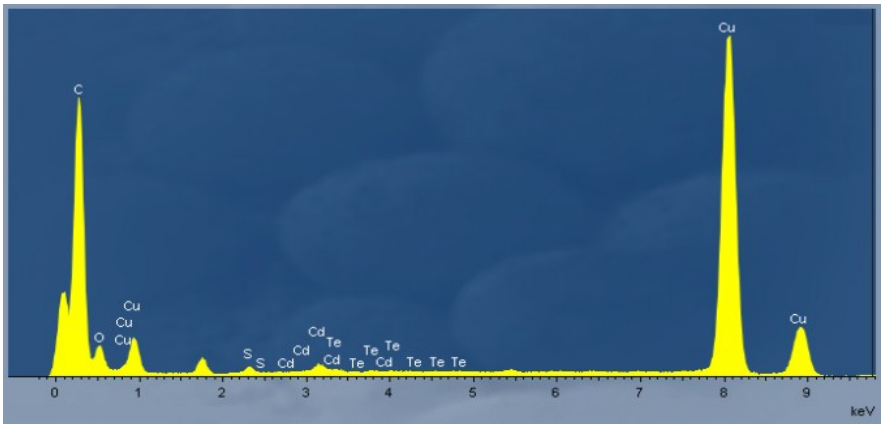

Fig. S4 EDX spectrum of the CdTe/poly(NIPAM-co-AAc) microgels.