Electronic Supplementary Material (ESI) for Dalton Transactions

Supplementary Information

Hydrothermal Synthesis of Inorganic–Organic Hybrid Gadolinium Hydroxide Nanoclusters with Controlled Size and Morphology

Varu Singh,[a,b,c] Takashi Naka,[d] Seiichi Takami,[b] Ameneh Sahraneshin,[b] Takanari Togashi,[c] Nobuaki Aoki,[c] Daisuke Hojo,[c] Toshihiko Arita,[b] and Tadafumi Adschiri [b,c] *

Synthesis of 4-tert-butylcatechol modified gadolinium hydroxide nanoparticles

These particles were also synthesized in batch type reactor at 350 °C for 10 min. For this process, precursor C was used. The molar ratio of precursor:KOH:4-tert-butylcatechol (1:25:2.5) was kept. The TEM image of the product is shown in Fig. 1.

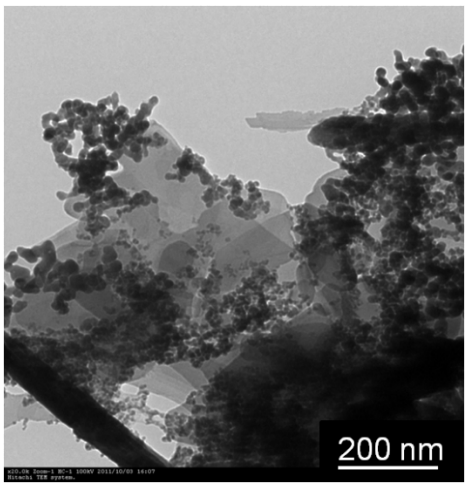

Fig. S1 TEM image of 4-tert-butylcatechol modified gadolinium hydroxide nanoparticles.