

ENCAPSULATED METAL ION NANOCLUSTERS

ABSTRACT

A metal ion nanocluster having a formula of $X(OH)_aY_bZ_cM_d(H_2O)_e$. X, Y, Z, M,
5 a, b, c, d, and e are defined herein. The nanocluster has a particle size of 2 to 500 nm and
a molecular weight of 3500 to 1000000 Dalton. Also disclosed are a composition
containing the nanocluster and a method of preparing the nanocluster.