Abstract

In this study, we report synthesis and characterization of novel carbazole-based group of uniform materials based on organic salts (GUMBOS), as well as potential applications of these compounds. These organic-based compounds exhibit high thermal stability (decomposition temperatures in the range of 395–432°C) and photostability. In addition, these compounds have appreciably high fluorescence quantum yields (73–99%) with broad emissions in the visible region and quantum yields which depend on the GUMBOS ...