Supplementary Figure 1:



Schematic diagram of potential mechanisms of acute radiation skin injury. Reproduced with permission [58]. B. Multifunctional mesoporous silica-cerium oxide nanozymes facilitate miR129 delivery for high-quality healing of radiation-induced skin injury. Reproduced with permission [59].

Supplementary Figure 2



A. Schematic interpretation of the design of β -cyclodextrin capped ceria nanoparticles as a nanozyme loaded with dithranol for the combinational therapy of psoriasis. Reproduced with permission [61]. B. Nano-drug delivery systems in skin regeneration and wound treatment. Reproduced with permission [62].



Supplementary Figure 3

A. Biodegradable gelatin methacryloyl (GelMA) hydrogel patch combined with cerium oxide nanoparticles (CONP) promotes diabetic wound healing. Reproduced with permission [64]. B. Development of a novel NCEO 2-containing electrospun poly (3-hydroxybutyrate co-3-hydroxyvalerate) (PHBV) membrane for diabetic wound healing applications. Reproduced with permission [65]. C. Biomaterial system for amphiphilic ionic ice gels (gels formed below freezing) of CNP-miR146a. Reproduced with permission [56].