

عنوان مقاله:

Medicine: new era of Nanomaterials

محل انتشار:

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خلاصه مقاله:

Nanomaterials with their particular mechanical, optical and electrical characteristics have been extensively used in medicine and pharmaceuticals. Nanomaterials are smeared for the revealing of biological molecules, imaging of diseased tissues and pioneering therapeutics. The application of exploiting nano-based particles (1-100 nm) compromises miniaturization biosensors, allowing smaller samples to be used for different biochemical exploration and point-of-care diagnostics. Nanopharmaceutics are heightened in drug delivery systems with increased bioavailability of the drug to the target position. Recently the nanoparticle based diagnostic mediators have been introduced for the treatment of allergy, diabetes, cancer etc. In the present review article, the summarized about the newest advances demonstrated in the nanomaterials with less toxicity and more efficiency which find its fittingness in the field of .diagnosis, imaging systems, disease therapy, drug delivery and tissue engineering are provided

کلمات کلیدی:

Nanoparticle, Medicine, Drug delivery, Tissue engineering, Nano imaging, Antibacterial agent

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