

Special Issue

Functionalized Nanomaterials for Cancer Therapy

Message from the Guest Editor

Cancer is still an incurable disease, and traditional treatment methods, such as chemotherapy and radiotherapy, have certain limitations. The emergence of functionalized nanomaterials provides a new possibility for cancer treatment. Tumor targeting based on the enhanced permeability and retention (EPR) effect has been an important direction to reduce drug toxicity. Multifunctional nanomaterials also make combination therapy possible, such as photodynamic therapy (PDT), photothermal therapy (PTT), immunotherapy, etc. Nanomaterials are also used for visualization applications in the process of cancer treatment, such as magnetic resonance image (MRI); positron emission tomography/computed tomography (PET/CT), and fluorescence imaging (FI). Therefore, the application of functionalized nanomaterials in cancer treatment is worth summarizing, and is also expected to play a new role in the development of cancer.

Guest Editor

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