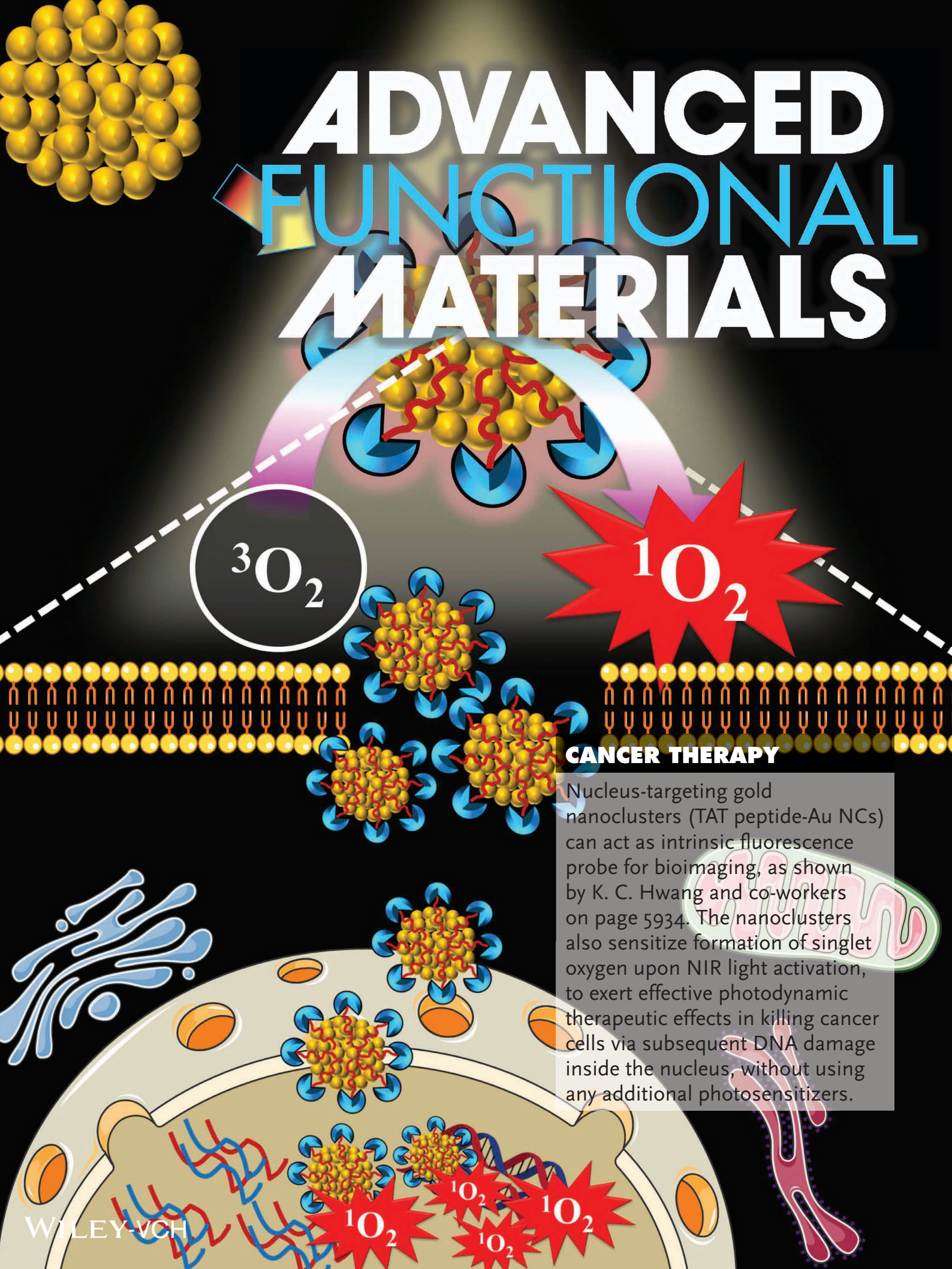


ADVANCED FUNCTIONAL MATERIALS



CANCER THERAPY

Nucleus-targeting gold nanoclusters (TAT peptide-Au NCs) can act as intrinsic fluorescence probe for bioimaging, as shown by K. C. Hwang and co-workers on page 5934. The nanoclusters also sensitize formation of singlet oxygen upon NIR light activation, to exert effective photodynamic therapeutic effects in killing cancer cells via subsequent DNA damage inside the nucleus, without using any additional photosensitizers.