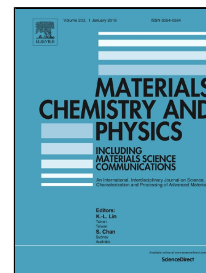


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Chemically uracil–functionalized carbon and silicon carbide nanotubes:
Computational studies



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- Single standing hybrid nanotube structures have been constructed.
- Polarizability of nanotubes has been increased in the hybrid structures.
- HOMO-LUMO gaps of nanotubes are almost the same in the gas-phase and water-solvated systems.

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