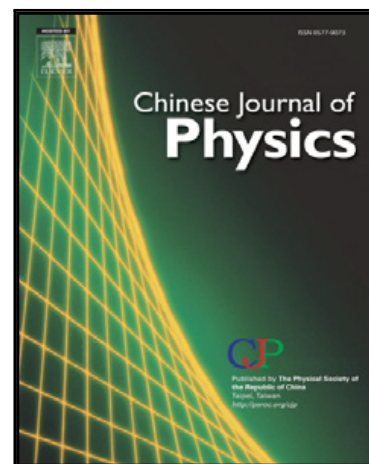


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Magnetic Properties in Different Fullerenes X_n Nano-Structures:
Monte Carlo Study

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Highlights:

- We study the magnetic properties of different fullerene nano-structures;
- We have found and discussed the compensation and critical temperatures;
- Several fullerene geometries are studied;
- We used the Monte Carlo simulations to investigate the physical parameters of these studied systems;
- The effect of the crystal field is studied and discussed.

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