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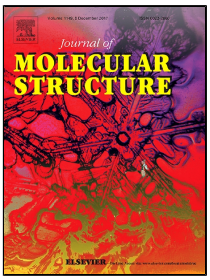

Size-strain analysis and elastic properties of $CoFe_2O_4$ nanoplatelets by hydrothermal method

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Highlights:

- Synthesis of cobalt ferrite nanoplatelets by hydrothermal method.
- The various deformation models to study of strain induced in the samples.
- Elastic properties of samples related to induced strain in the samples.
- The enhancement in elastic constants of nanoparticles due to grain size effect.