

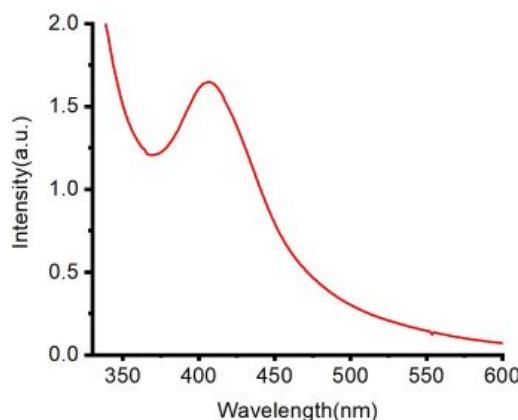
## Ag nanoparticles supported on the magnetic NiFe<sub>2</sub>O<sub>4</sub>/MIL-101(Fe) metal–organic framework nanocomposite for the room temperature catalytic reduction of nitrophenols and nitroanilines

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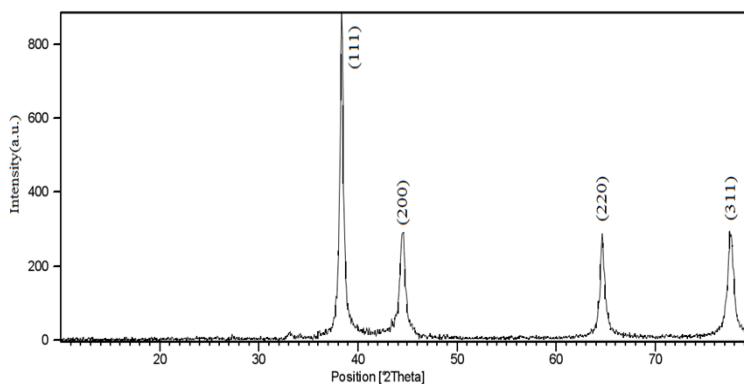
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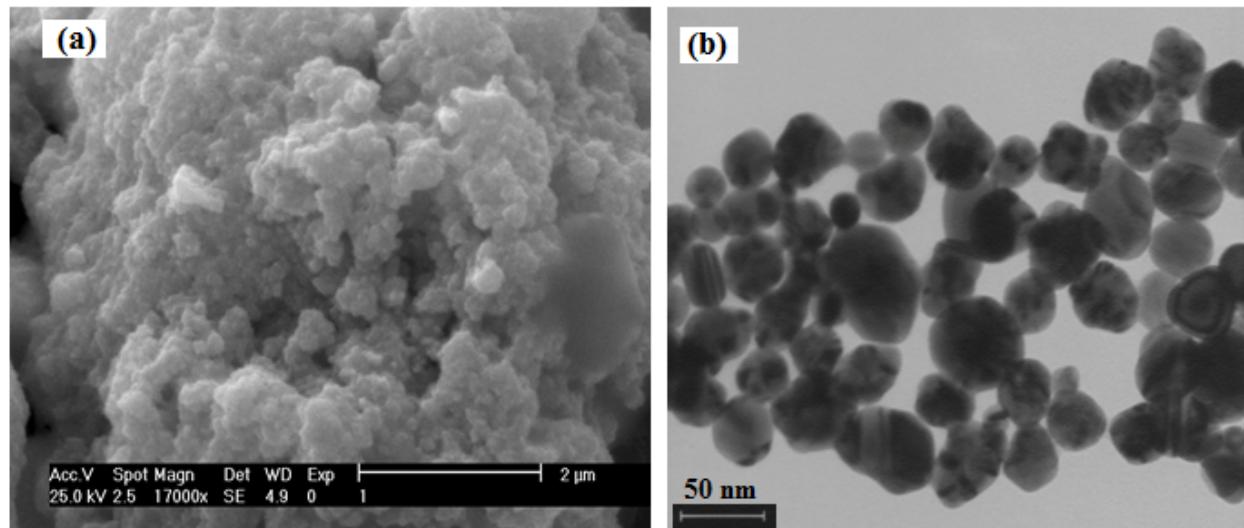
Email address: [farhadi.s@lu.ac.ir](mailto:farhadi.s@lu.ac.ir) (S. Farhadi)



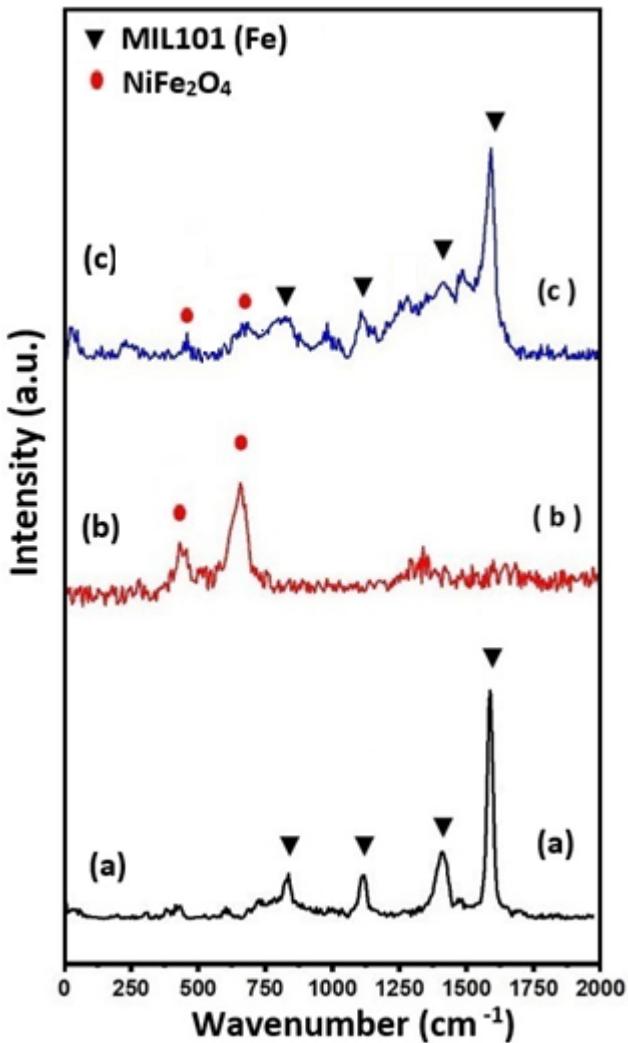
**Fig.S1** .The UV–vis absorption spectrum of the Ag nanoparticle



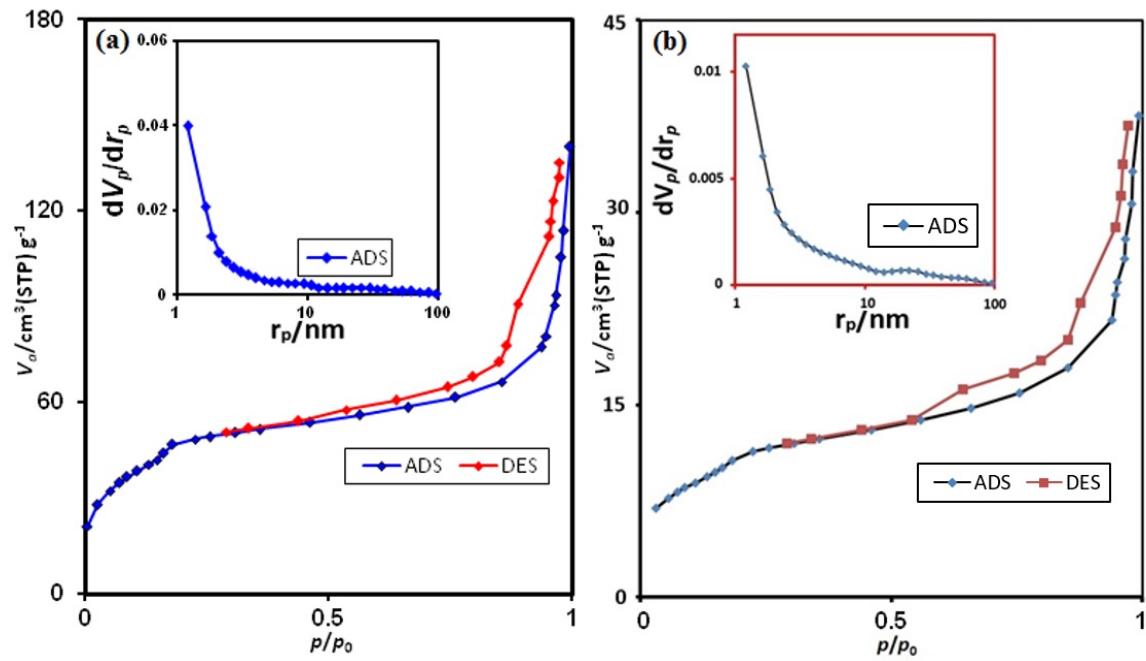
**Fig.S2** .The XRD pattern of thr Ag nanoparticle



**Fig. S3.** (a) SEM and (b) TEM images of the Ag nanoparticles prepared in this work.



**Fig. S4.** Raman spectra of (a) MIL101(Fe), (b) NiFe<sub>2</sub>O<sub>4</sub> and (c) Ag@NiFe<sub>2</sub>O<sub>4</sub>/MIL101(Fe) nanocomposite



**Fig. 5S.** N<sub>2</sub> adsorption–desorption isotherms and pore-size distribution curve (the inset) of (a) MIL101(Fe) and (b) Ag@NiFe<sub>2</sub>O<sub>4</sub>/MIL101(Fe)nanocomposite.