

Electronic supplementary information

Controlled synthesis of Mn_3O_4 nanoparticles in ionic liquids

Roberta Bussamara,^a Wellington W. M. Melo,^b Jackson D. Scholten,^a Pedro Migowski,^a Graciane Marin,^a Giovanna Machado,^c Sérgio R. Teixeira,^d Miguel A. Novak^b and Jairton Dupont^{*a}

5

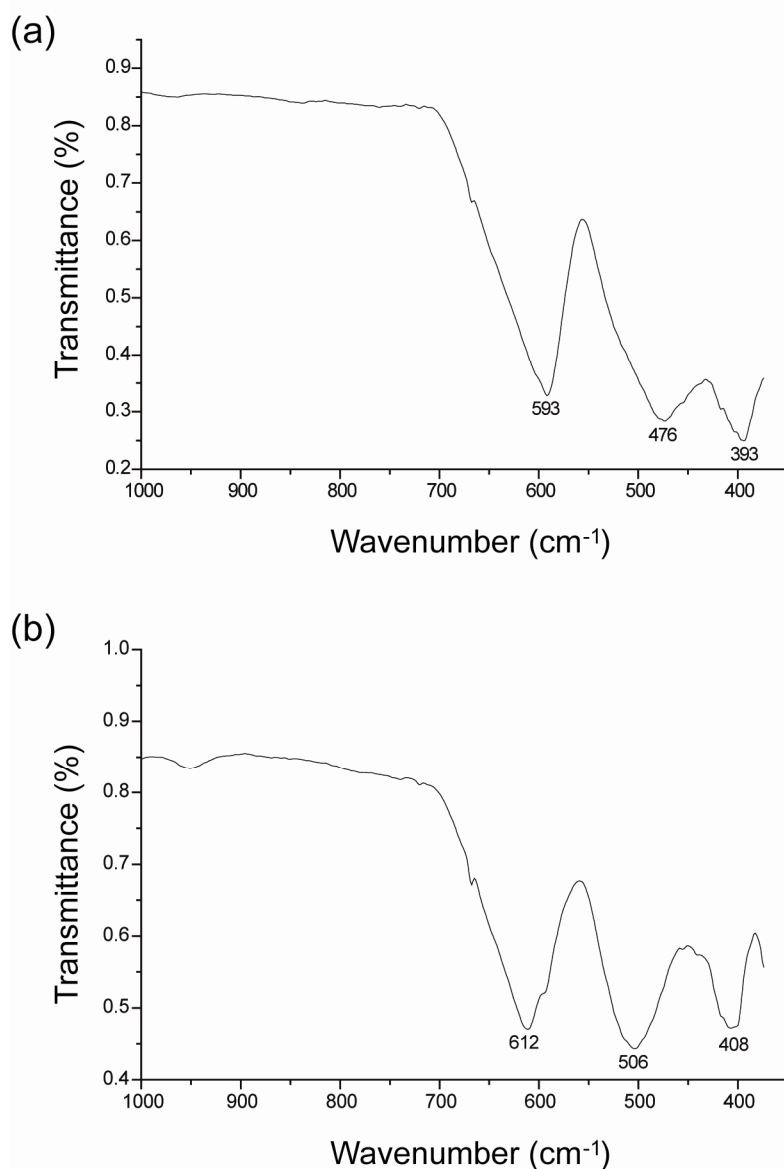
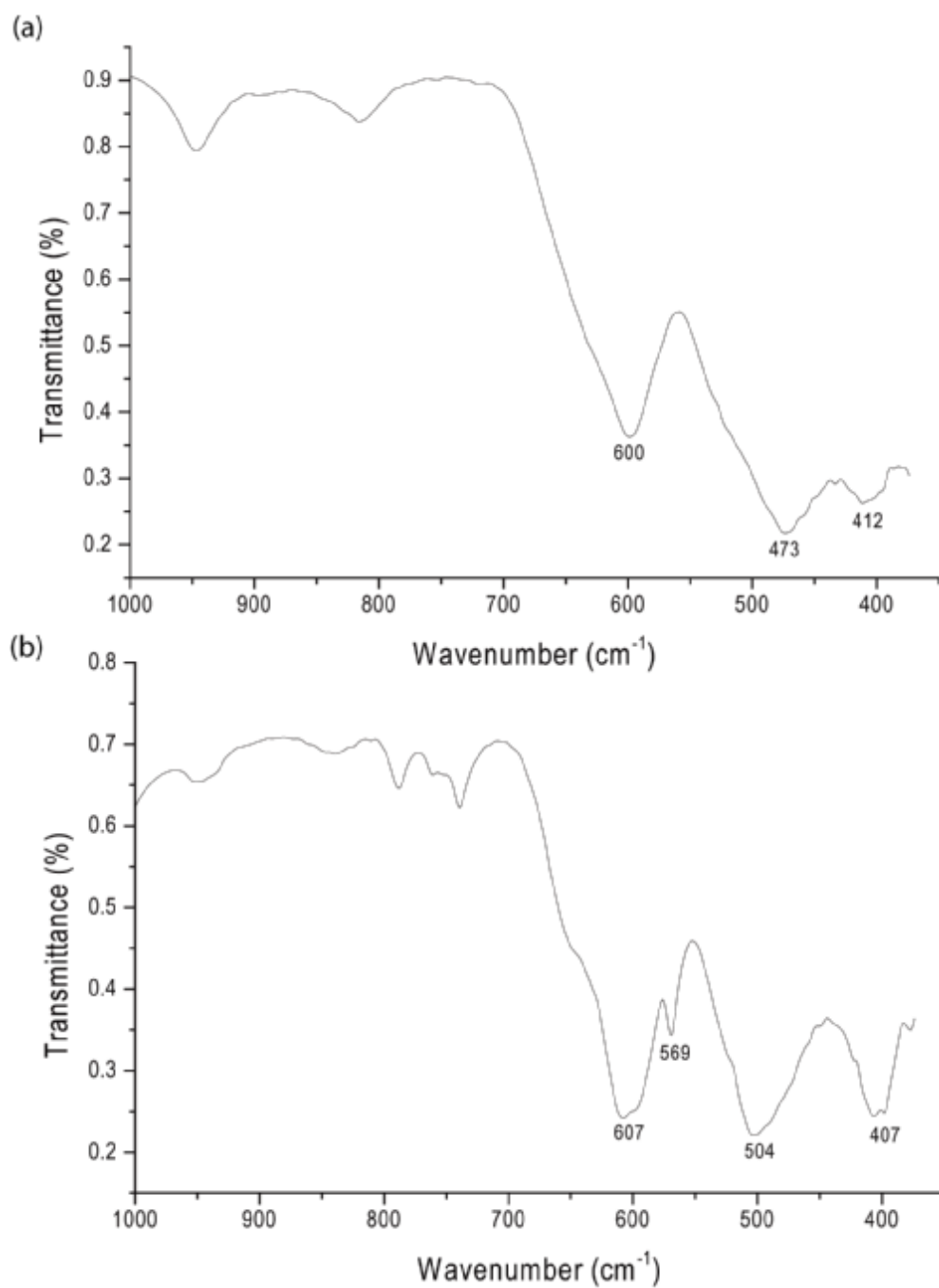


Fig. S1 ATR-FTIR spectra of Mn_3O_4 synthesized with using the (a) conventional solvent oleylamine and (b) BMI.NTf₂.

10



5

Fig. S2 ATR-FTIR spectra of Mn_3O_4 synthesized with using the (a) conventional solvent oleylamine and (b) BMI.NTf2 after 96 h reaction.

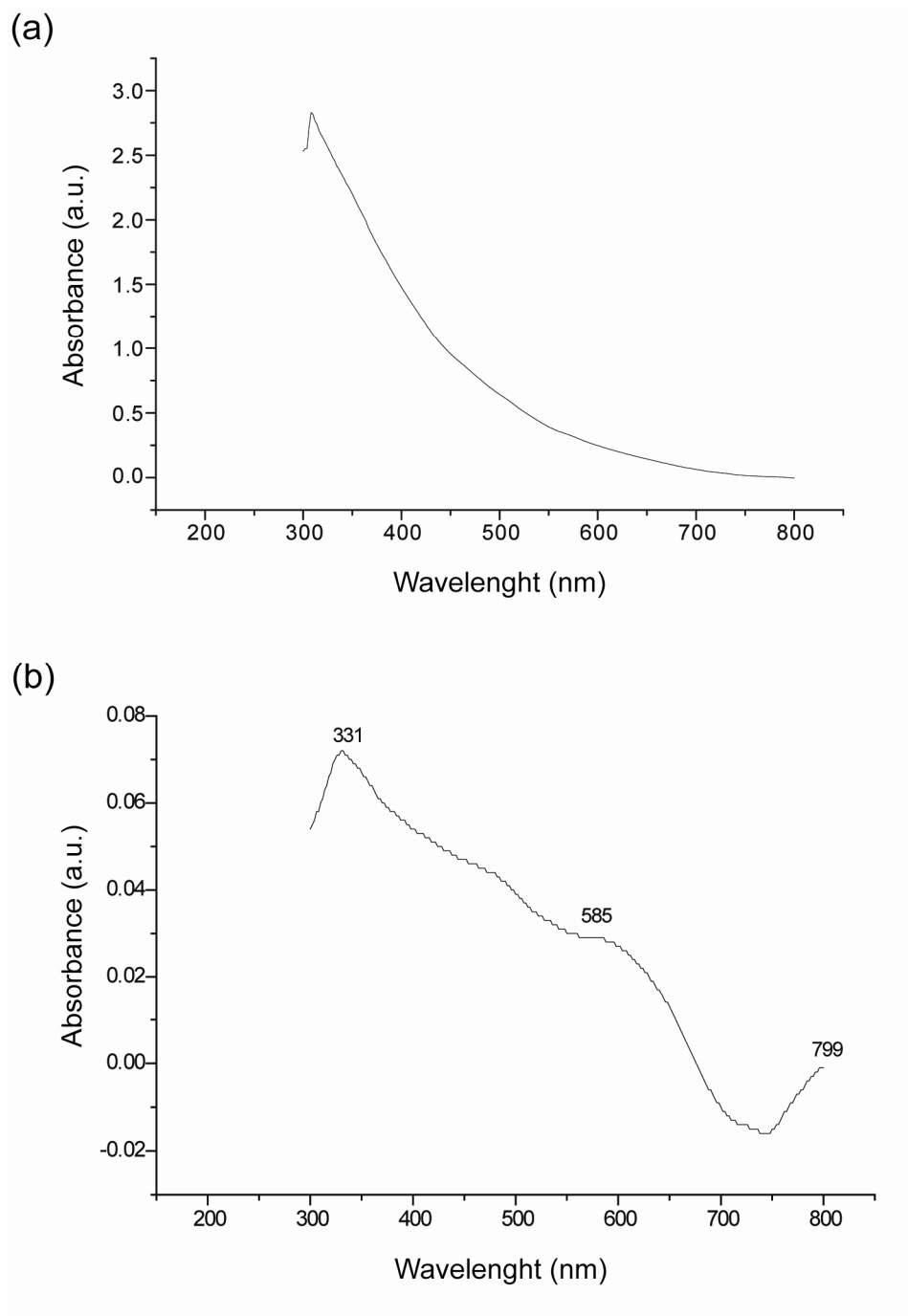


Fig. S3 UV/VIS spectra of solutions of Mn_3O_4 synthesized with (a) oleylamine and (b) $BMINTf_2$.

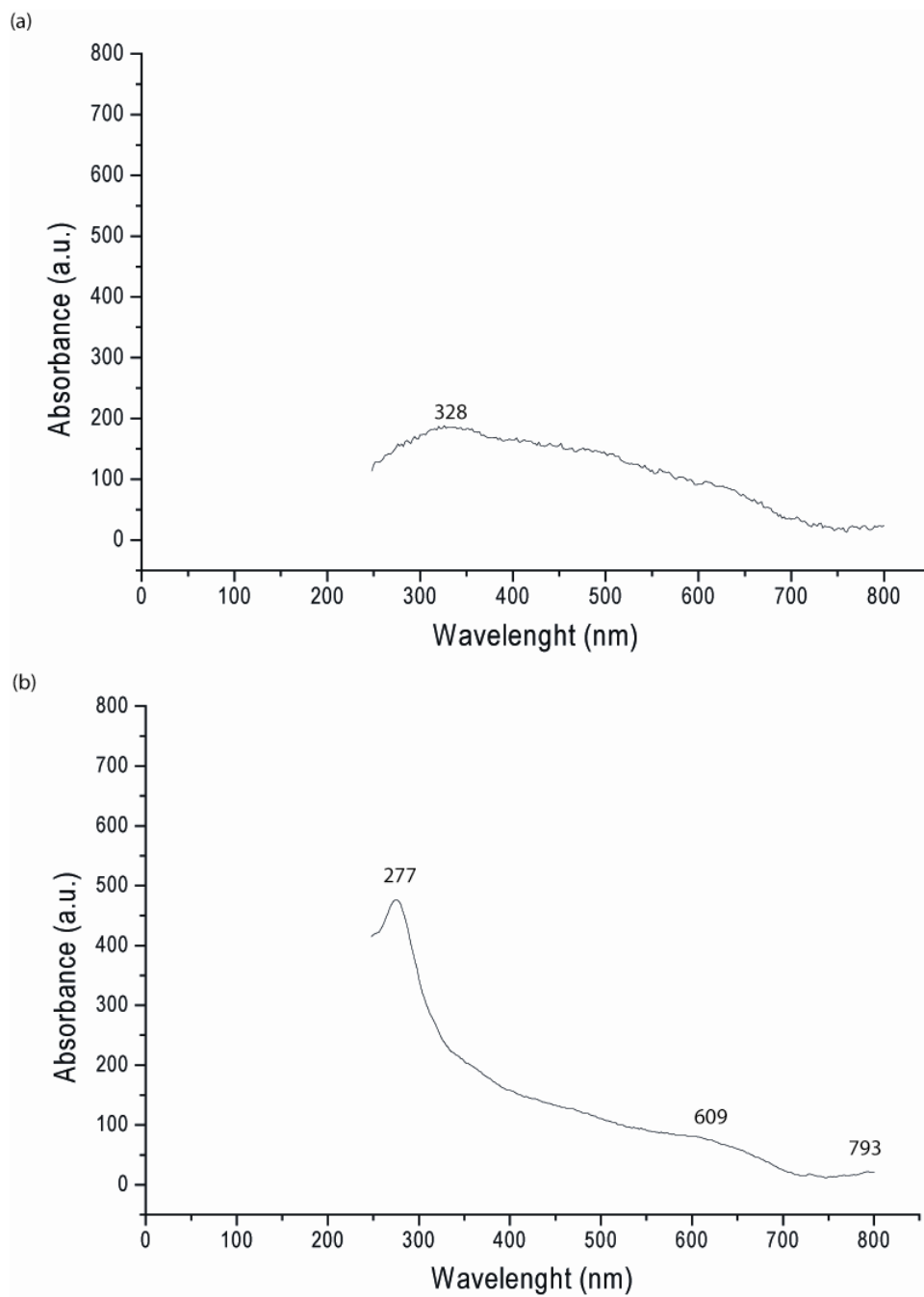


Fig. S4 UV/VIS spectra of solutions of Mn_3O_4 synthesized with (a) oleylamine and (b) $BMI \cdot NTf_2$ after 96 h reaction.