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CORRECTION

Correction to: Effects of DL-alanine fuel and annealing on combustion derived $MgFe_2O_4$ powder with low carbon content and improved magnetic properties

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Correction to: Applied Physics A (2021) 127:165
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In Table 3, second column, the heading was mistyped as, '*D*'. The correct heading is 'r_A (Å)'.

In Fig. 4, assignment of two peaks as E_g and $E_{g,sh}$ was missing. This has been corrected in the new figure given below.

Equation (28) and the related text are corrected and should be read as:

Magnetic moments per unit molecule (μ) summarized in Table 8 are calculated from the following expression [21, 27, 43],

$$\mu = \frac{\mathrm{M}M_S}{\mu_B N_A} = \frac{\mathrm{M}M_S}{5.585} \tag{28}$$

where M (in SI unit) is the molar mass of $MgFe_2O_4$, M_S (in emu/g) is the observed saturation magnetization, Bohr magneton $\mu_B = 9.274 \times 10^{-24}\mathrm{JT}^{-1}$, and $N_A = 6.022 \times 10^{23}$ is Avogadro number.

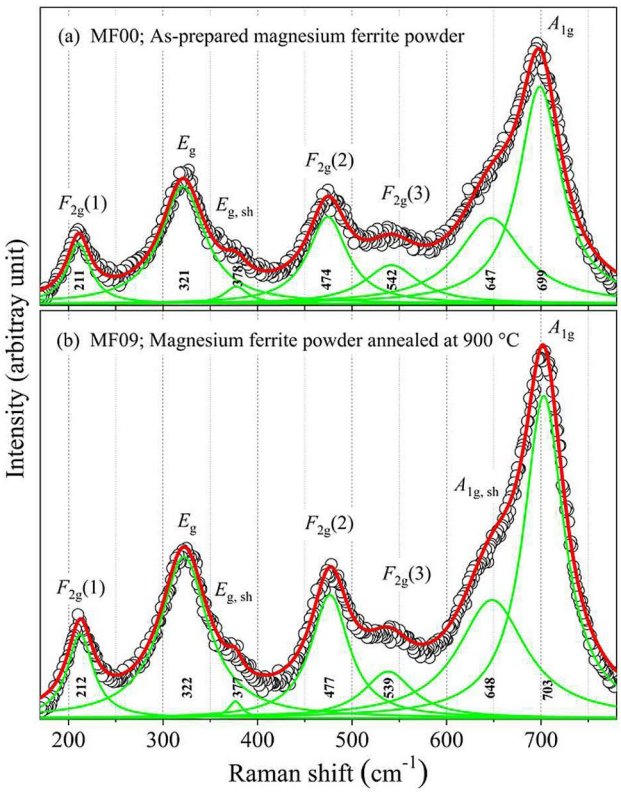

Fig. 4 Raman spectra of **a** as-prepared powders and **b** powders annealed at 900 °C for 4 h. The measured Raman spectra are shown with (black circles), the de-convoluted peaks are in green, and the fitted line is in red color

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These corrections will not affect the discussions and conclusion.

The authors apologize for this inconvenience.

The original article has been corrected.