

Abnormal References on 10.1016/j.jallcom.2023.172278

The article [1] have 75 references. Among them, 13 references were co-authored by A. V. Trukhanov, who is also a author of the article [1].

5GH Foundatic M.A. Darwish et al. Table 3 Displays the proposed cation distribution formula based on the site preferences of the cations for the $Mg_{1-x}Zn_xFe_2O_4$ system, where x ranges from 0.0 to 1.0. The assumed distribution x $\begin{array}{l} (Mg_4^{2+}Fe_{2}^{+}_{-3})^h (Mg_{1-4}^{2}Fe_{1+4}^{+})^B O_4 \\ (Mg_{10}^{2+}_{2}Ze_{3}^{0})_{2}Fe_{1-4}^{-1})^h (Mg_{3-2}^{2+}_{-2-0,7}Ze_{3-0-30}^{2+}Fe_{1+6}^{2+})^B O_4 \\ (Mg_{10}^{2+}_{2}Ze_{3}^{0}Ze_{3}^{0+}Fe_{1-6}^{-1})^h (Mg_{3-2-0,7}^{2+}Ze_{3-0-30}^{2+}Fe_{1-6}^{2+})^B O_4 \\ (Ze_{1+4}^{2+}Fe_{3}^{2+})^h (Ze_{3}^{0+}Fe_{2-4}^{2+})^B O_4 \end{array}$ 0.0 0.3 0.7 1.0

Table 4

Table 4 Presents the magnetic moment (μ_B) values obtained from experimental data, along with the corresponding computed cation distribution for the Mg_{1-x}Zn_xFe₂O₄ system, where x ranges from 0.0 to 1.0. Cation distribution that aligns with the experimentally determined Un

	magnetic moment	A K
0.0	(Mg _{0.0802} Fe _{0.9198}) ^A [Mg _{0.9198} Fe _{1.0902}] ^B O ₄	0.802
0.3	(Mg0.09548Zn0.04092Fe0.8636) ^A [Mg0.60452Zn0.25908Fe1.1364] ^B O4	1.364
0.7	(Mg0.03843Zn0.08967Fe0.8719) ^A [Mg0.26157Zn0.61033Fe1.1281] ^B O4	1.281
1.0	(Zno.0176Fe0.0824) ^A [Zno.0824Fe1.0176] ^B O4	0.176

Data Availability

Data will be made available on request.

Acknowledgments

This research work was partially supported by the Academic leadruns testing to the second sec

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Previously, concerns were raised about the authorship of this article [1]. ZHOU Di is one of the authors, and he is the only author from China. Considering his career stage, the 5GH team think his authorship is questionable. [2]

[1] 10.1016/j.jallcom.2023.172278

[2] 5GH-WuGH-20240821.001

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