Erratum: Spin-polarized Auger electrons in core-valence-valence decays of 3*d* impurities in metals [Phys. Rev. B 79, 165115 (2009)]

M. I. Trioni, A. Zanetti, G. Fratesi, and G. P. Brivio

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Equations (1) and (2) should read:

$$\mathcal{P}_\sigma(E_{a\bar{\sigma}}) = 2\pi \sum_{v,v'} \int d\hat{k}_a |\mathrm{M}_{a\bar{\sigma},c\sigma,v\sigma,v'\bar{\sigma}}|^2 \delta(E_{a\bar{\sigma}} + E_{c\sigma} - E_{v\sigma} - E_{v'\bar{\sigma}}), \tag{1}$$

$$\mathcal{P}_\sigma(E_{a\sigma}) = \pi \sum_{v,v'} \int d\hat{k}_a |\mathrm{M}_{a\sigma,c\sigma,v\sigma,v'\sigma} - \mathrm{M}_{a\sigma,c\sigma,v'\sigma,v\sigma}|^2 \delta(E_{a\sigma} + E_{c\sigma} - E_{v\sigma} - E_{v'\sigma}), \tag{2}$$

as we already reported in Ref. 1. There is an extra factor 2 in the published paper.

Due to a mistake in processing the numerical data (not related to the point above), Table III was incorrect. The correct data are here reported:

TABLE III. Spin polarization of the Auger electrons for various impurities and metal hosts (in percentage).

Impurity	Ag	Mg	Cu	Al
V	54.1	45.7	37.6	0.0
Cr	57.4	51.8	42.6	19.3
Mn	38.8	36.5	28.9	17.5
Fe	17.2	16.2	12.8	6.5
Co	5.6	4.9	0.0	0.0

Consequently Fig. 5 must be substituted with the following figure:

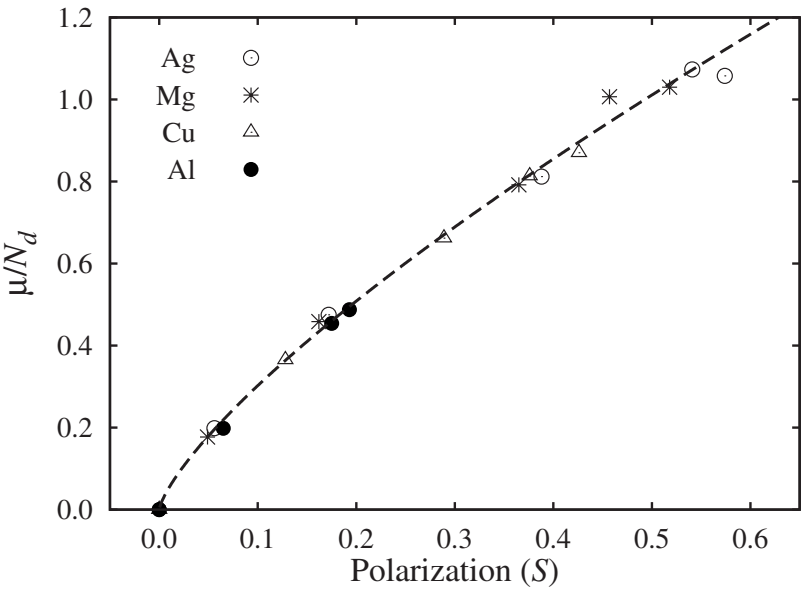

FIG. 5. Correlation between the spin polarization of the Auger electrons and the magnetic moment. The dashed line is the expression given in Eq. (8).

and Eq. (8) takes the form:

$$\frac{\mu_{loc}}{N_d} \approx 1.7(\mathcal{S})^{0.75}. \tag{8}$$

Discussions and conclusions are not affected by the changes, and they are fully valid.

[1] N. Bonini, G. P. Brivio, and M. I. Trioni, Phys. Rev. B **68**, 035408 (2003).