

Correction to “2-(4,5,6,7-Tetrafluorobenzimidazol-2-yl)-4,4,5,5-tetramethyl-4,5-dihydro-1*H*-imidazole-3-oxide-1-oxyl, A Hydrogen-Bonded Organic Quasi-1D Ferromagnet”

Hidenori Murata, Yuji Miyazaki, Akira Inaba, Armando Paduan-Filho, Valdir Bindilatti, Nei Fernandes Oliveira, Jr., Zeynep Delen, and Paul M. Lahti*

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In 2008, we reported magnetostructural analysis of the title compound (abbreviated F4BImNN). Subsequent service work on our instrument revealed that the actual external magnetic fields (applied while measuring heat capacity, C_p) were much lower than the reported settings. This problem did not affect the reported zero-field C_p measurements. The C_p variation of F4BImNN in external magnetic fields was therefore reassessed by a series of new measurements.

The following corrected results replace those reported on page 192 in the original article: easy axis critical field $H_c(\parallel) = 170$ Oe, hard axis $H_c(\perp) = 306$ Oe. The original zero-field Néel temperature $T_N(0) = 0.73$ K is unchanged. The revised $H_c(\parallel)$ yields interchain exchange $2zJ_{\text{inter}} = -0.09$ K (antiferromagnetic phase formation). None of the broader conclusions of the work are affected, and only the critical field determinations H_c are significantly different from those given in the 2008 paper. Full details will be reported elsewhere.¹

■ ACKNOWLEDGMENTS

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■ REFERENCES

(1) Adriano, C.; Freitas, R. S.; Paduan-Filho, A.; Pagliuso, P. G.; Oliveira, N. F., Jr.; Lahti, P. M., to be submitted.