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ERRATA

Publisher’s Note: Orthogonal tight-binding model for the thermal conductivity of Si [Phys. Rev. B 93 , 155203 (2016)] (<i>1 page</i>) Ankita Katre and Georg K. H. Madsen	199901(E)
Publisher’s Note: Detecting monopole charge in Weyl semimetals via quantum interference transport [Phys. Rev. B 93 , 161110(R) (2016)] (<i>1 page</i>) Xin Dai, Hai-Zhou Lu, Shun-Qing Shen, and Hong Yao	199902(E)
Publisher’s Note: Molecular bonding with the RPAx: From weak dispersion forces to strong correlation [Phys. Rev. B 93 , 195108 (2016)] (<i>1 page</i>) Nicola Colonna, Maria Hellgren, and Stefano de Gironcoli	199903(E)
Erratum: Spin susceptibility of two-dimensional transition-metal dichalcogenides [Phys. Rev. B 90 , 045412 (2014)] (<i>2 pages</i>) H. Hatami, T. Kernreiter, and U. Zülicke	199904(E)
Erratum: Structure of the quantum spin Hall states in HgTe/CdTe and InAs/GaSb/AlSb quantum wells [Phys. Rev. B 91 , 035310 (2015)] (<i>1 page</i>) P. C. Klipstein	199905(E)
Erratum: Toward a realistic description of multilayer black phosphorus: From <i>GW</i> approximation to large-scale tight-binding simulations [Phys. Rev. B 92 , 085419 (2015)] (<i>1 page</i>) A. N. Rudenko, Shengjun Yuan, and M. I. Katsnelson	199906(E)