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Erratum: Skyrmion Creation and Manipulation by Nano-Second Current Pulses

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This Article contains referencing errors. In the Introduction section,

“One type of such systems such as MnSi, $\text{Fe}_{1-x}\text{Co}_x\text{Si}$, Cu_2OSeO_3 ^{3,4,5,6} with the bulk Dzyaloshinskii-Moriya interaction (DMI), has chiral crystal structure that supports vortex-like skyrmions. Another type of the systems are heavy metal/ultrathin ferromagnetic layers such as Fe/Ir, Ni/Co and Ta/CoFeB/TaO_x^{10,11,28,29}, that results in an interfacial DMI”.

should read:

“One type of such systems such as MnSi, $\text{Fe}_{1-x}\text{Co}_x\text{Si}$, Cu_2OSeO_3 ^{3,4,5,6} with the bulk Dzyaloshinskii-Moriya interaction (DMI)^{28,29}, has chiral crystal structure that supports vortex-like skyrmions. Another type of the systems are heavy metal/ultrathin ferromagnetic layers such as Fe/Ir, Ni/Co and Ta/CoFeB/TaO_x^{10,11}, that results in an interfacial DMI”.

In addition, in the Results and Discussion section,

“We would like to point out that sub-nanosecond current pulses can be routinely created in laboratories around the world since they have been used to manipulate the magnetic structures in both nanostrips and spin valves^{25–30}”.

should read:

“We would like to point out that sub-nanosecond current pulses can be routinely created in laboratories around the world since they have been used to manipulate the magnetic structures in both nanostrips and spin valves^{25–27}”.

In the Introduction section of the HTML version of the Article,

“It is noticed that the spin structure along the radial direction of a hedgehog skyrmion is very similar to that of a Neel wall¹¹”.

should read:

“It is noticed that the spin structure along the radial direction of a hedgehog skyrmion is very similar to that of a Neel wall³⁰”.



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