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Here we correct one typo in our paper (Ref. [1]), in the projected expression of the orbitally resolved spin operators in Eqs. (20)–(22). The corrected expression is

$$\tilde{S}_{i,xy}^x = \frac{1}{12} \tilde{j}_{i}^x + \frac{1}{12} \tilde{j}_{i}^x \tilde{j}_{i}^z \tilde{j}_{i}^z$$

(20)

$$\tilde{S}_{i,xy}^y = \frac{1}{12} \tilde{j}_{i}^y + \frac{1}{12} \tilde{j}_{i}^y \tilde{j}_{i}^z \tilde{j}_{i}^z$$

(21)

$$\tilde{S}_{i,xy}^z = -\frac{1}{12} \tilde{j}_{i}^z + \frac{1}{12} \left( \tilde{j}_{i}^z \right)^3.$$  (22)

This typo does not pertain to our main results and does not modify the conclusion of the paper.

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