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Intrinsic magnetic properties of $\text{Sm}(\text{Fe}_{1-x}\text{Co}_x)_{11}\text{Ti}$ and Zr-substituted $\text{Sm}_{1-y}\text{Zr}_y(\text{Fe}_{0.8}\text{Co}_{0.2})_{11.5}\text{Ti}_{0.5}$ compounds with ThMn_{12} structure toward the development of permanent magnets

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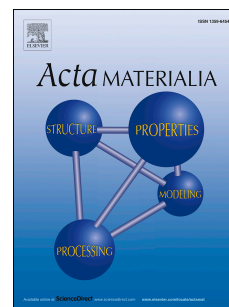
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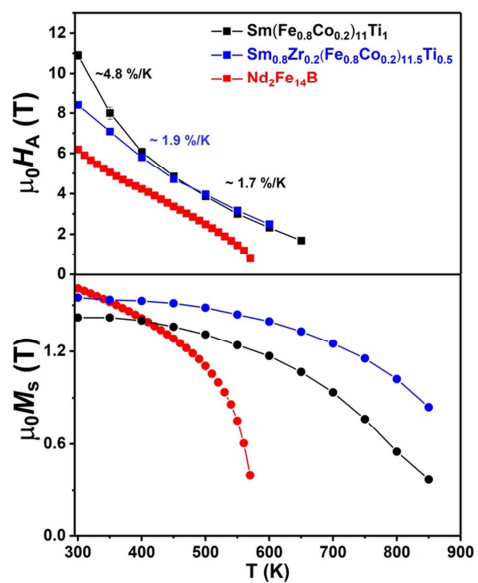
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$\mu_0 M_s$ (T)	$\mu_0 H_A$ (T)	T_c (K)
Sm(Fe_{0.8}Co_{0.2})₁₁Ti₁		
1.43	10.9	800
(Sm_{0.8}Zr_{0.2})(Fe_{0.8}Co_{0.2})_{11.5}Ti_{0.5}		
1.53	8.4	830
Nd₂Fe₁₄B		
1.61	6.2	598

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