

Supporting Information

**Magnetocaloric properties of DyN, TbN and HoN nanopowders prepared by the  
plasma arc discharge**

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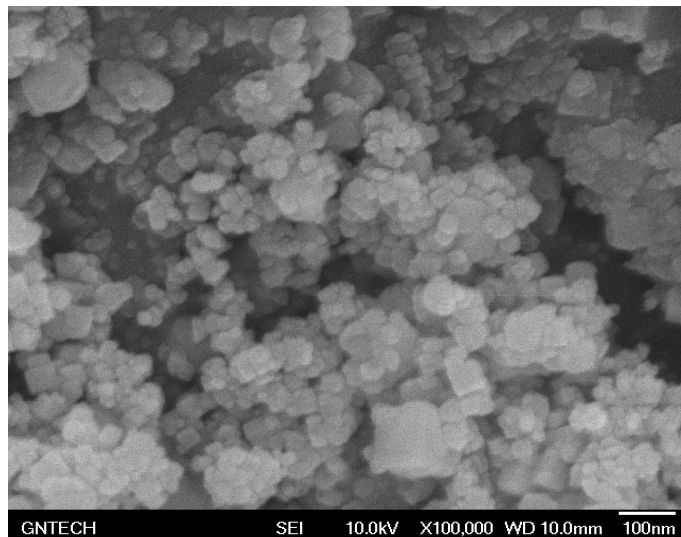


Fig.S1 SEM image of DyN nanopowder

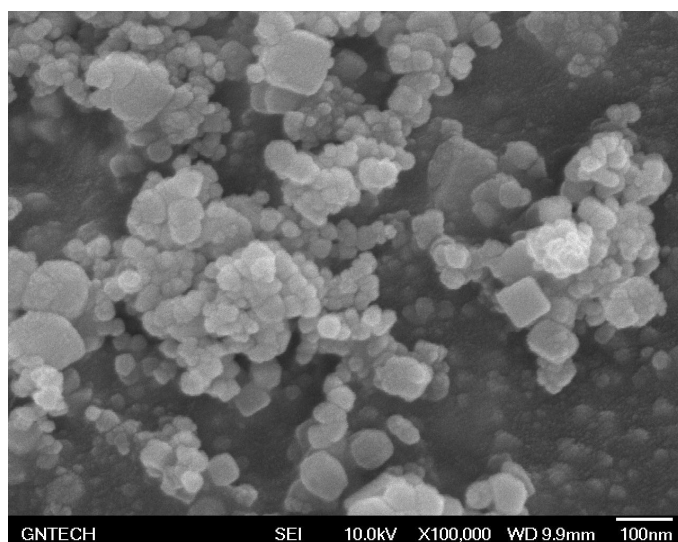


Fig.S2 SEM image of TbN nanopowder

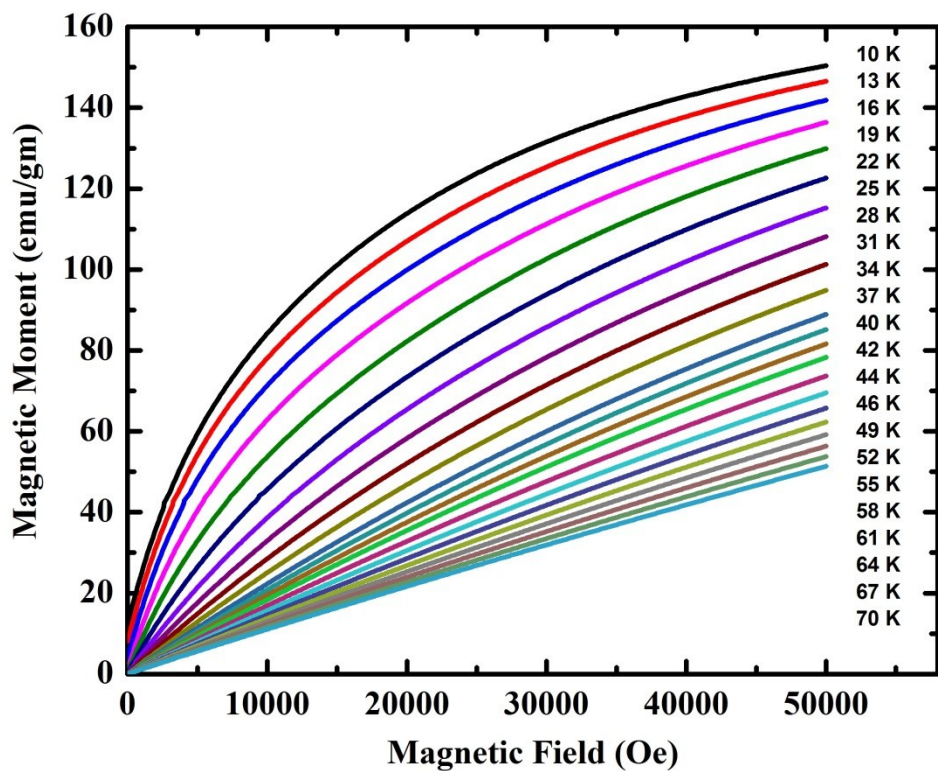


Fig.S3 Magnetization isotherms (M-H) measured at various applied fields from 0-5 T at different temperatures around  $T_C$  for DyN.

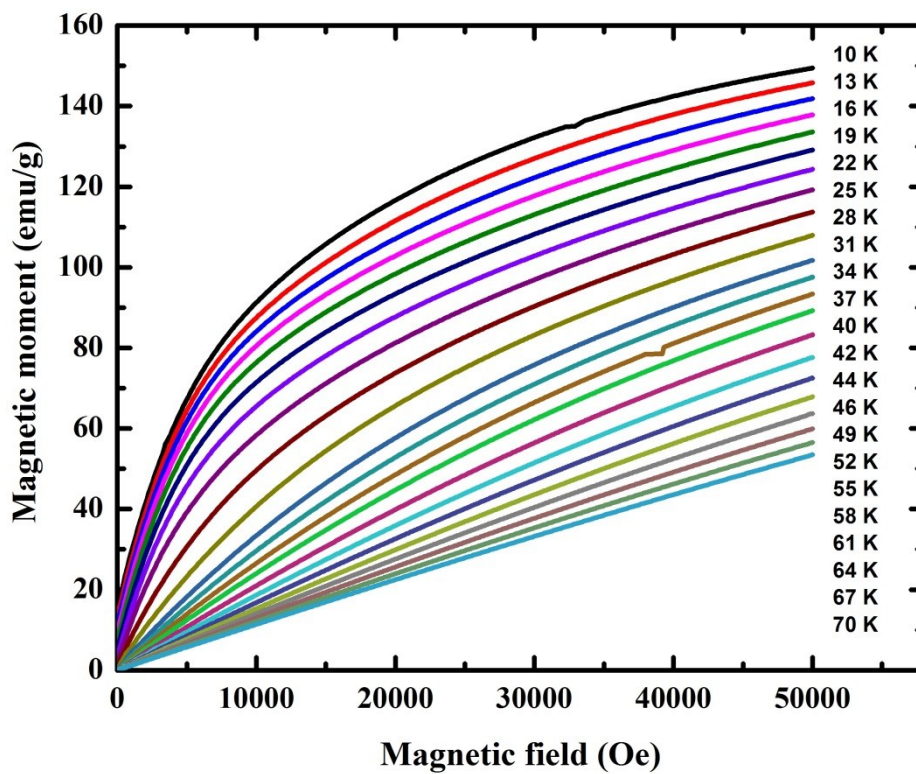


Fig.S4 Magnetization isotherms (M-H) measured at various applied fields from 0-5 T at different temperatures around  $T_C$  for DyN.

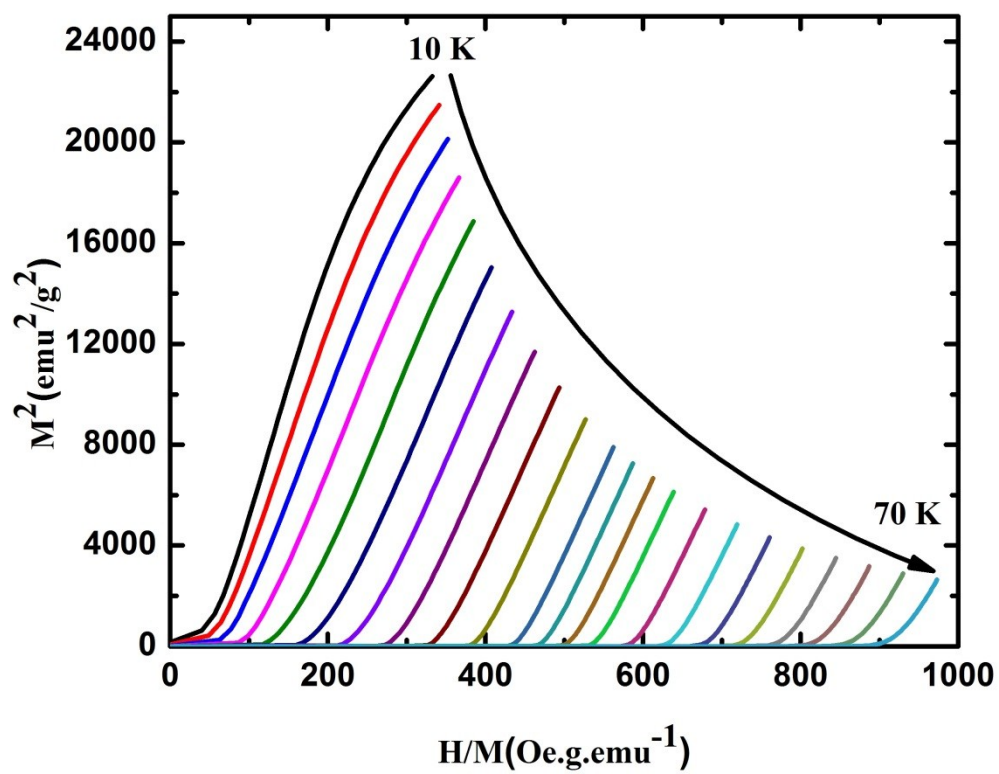


Fig. S5 Arrott plots of  $M^2$  vs  $H/M$  at the various temperatures for DyN.

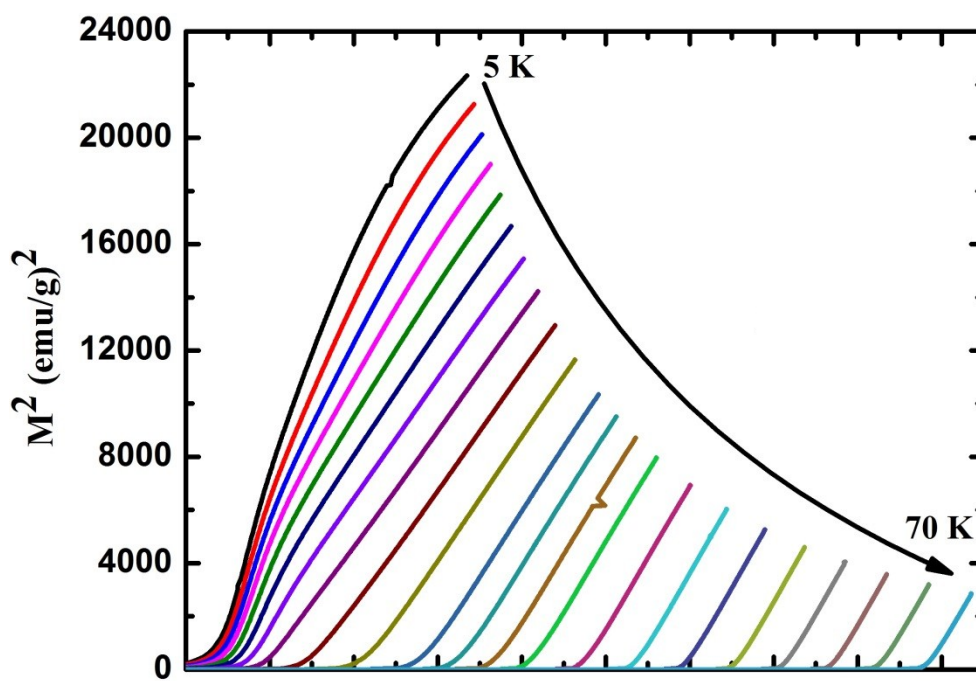


Fig. S6 Arrott plots of  $M^2$  vs  $H/M$  at the various temperatures for TbN.