Nuclear polarization and entanglement in spin systems

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There are errors in Figs. 2 and 3 and their captions. The corrected figures and captions follow.

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Fig. 2 Concurrence as a function of the polarization for antiferromagnetic initial state (6): **a** polarization of the first spin, P_1 ; **b** polarization of the second spin, P_2 ; **c** the total spin polarization, $P_1 + P_2$

Fig. 3 **a** Dynamics of the polarization and concurrence without an irradiation field (at $\omega_1 = 0$) for the initial condition (4). Black dashed curve: polarization $P_{1-}(t)$ of the first spin. Red dashed curve: polarization $P_{2-}(t)$ of the second spin. Green dotted curve: total polarization P . Blue solid curve: concurrence $C_-(t)$. The arrow marks the point $D_{12}t = 5.4$ **b** Concurrence as a function of the irradiation field strength ω_1/D_{12} at time $D_{12}t = 5.4$ **c** Concurrence as a function of the irradiation field strength ω_1/D_{12} at time $D_{12}t = 5.4$ for various initial conditions. Black solid curve: C_- for the initial condition (4). Red dashed curve: C_+ for the initial condition (5) (Color figure online)