

Errata list for Jozef Kowalewski & Lena Mäler, "Nuclear Spin Relaxation in Liquids: Theory, Experiments, Applications", Taylor & Francis, New York, 2006

| Location | Reads | Should read | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|---|---|----|---|---|---|---|----|---|---|----|----|---|---|--|---|---|---|---|---|---|----|---|---|---|---|---|---|----|---|---|
| p. 6, 12 th line below Eq. (1.7) | $\omega_0 = \gamma_I B_0$ | $\omega_0 = -\gamma_I B_0$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 50, Eq. (3.17) | $\frac{dN_{\alpha\alpha}}{dt} =$ | $\frac{dn_{\alpha\alpha}}{dt} =$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 85, Eq. (4.55) | $\left\{ \hat{Q} \frac{d}{dt} \tilde{\rho}(t) \right\}$ | $\left\{ \hat{Q} \frac{d}{dt} \tilde{\rho}(t) \right\}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 98, Eq. (5.2), last line | $\langle \beta' \hat{T}_{l,-q}^{\dagger \eta'} \beta \rangle$ | $\langle \beta' \hat{T}_{l,-q}^{\dagger \eta'} \beta \rangle$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 102, Eq. (5.11) | ${}^a v_1(t) =$ | ${}^a v_4(t) =$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 103, 2 nd line above Eq. (5.13) | asymmetric | antisymmetric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 113, Eq. (5.35), first line | $(-1)^q \langle \alpha Y_{2,q}(t) \hat{T}_{2,-q} \alpha' \rangle$ | $(-1)^{q+q} \langle \alpha Y_{2,q}(t) \hat{T}_{2,-q} \alpha' \rangle$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 113, Eq. (5.35), 2 nd line | $(-1)^q \langle \alpha \hat{T}_{2,-q} \alpha' \rangle$ | $\langle \alpha \hat{T}_{2,-q} \alpha' \rangle$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 113, Eq. (5.35), 3 rd line | $(-1)^q \langle \alpha \hat{T}_{2,-q} \alpha' \rangle$ | $\langle \alpha \hat{T}_{2,-q} \alpha' \rangle$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 140, Eq. (6.37), last line | $/(1 + \omega^2 \tau_{2,2}^2)$ | $/(1 + \omega^2 \tau_{2,2}^2)]$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 174, 7 th line from the bottom | $-\Delta\phi p$ | $-\Delta p \phi$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 201, Eq. (9.3) | $\begin{pmatrix} \Delta \hat{I}_z \\ \Delta \hat{S}_z \end{pmatrix} = \begin{pmatrix} a_{II}(t) & a_{IS}(t) \\ a_{IS}(t) & a_{SS}(t) \end{pmatrix} \begin{pmatrix} \Delta \hat{I}_z \\ \Delta \hat{S}_z \end{pmatrix}$ | $\begin{pmatrix} \Delta \hat{I}_z(t) \\ \Delta \hat{S}_z(t) \end{pmatrix} = \begin{pmatrix} a_{II}(t) & a_{IS}(t) \\ a_{IS}(t) & a_{SS}(t) \end{pmatrix} \begin{pmatrix} \Delta \hat{I}_z(0) \\ \Delta \hat{S}_z(0) \end{pmatrix}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 201, the phase cycle in Fig. 9.4 | <table style="border: none; margin: 0 auto;"> <tr><td>x</td><td>x</td><td>x</td><td>+</td></tr> <tr><td>-x</td><td>x</td><td>x</td><td>-</td></tr> <tr><td>x</td><td>-y</td><td>y</td><td>+</td></tr> <tr><td>-x</td><td>-y</td><td>y</td><td>-</td></tr> </table> | x | x | x | + | -x | x | x | - | x | -y | y | + | -x | -y | y | - | <table style="border: none; margin: 0 auto;"> <tr><td>x</td><td>x</td><td>x</td><td>+</td></tr> <tr><td>x</td><td>x</td><td>-x</td><td>-</td></tr> <tr><td>x</td><td>x</td><td>x</td><td>+</td></tr> <tr><td>x</td><td>-x</td><td>x</td><td>-</td></tr> </table> | x | x | x | + | x | x | -x | - | x | x | x | + | x | -x | x | - |
| x | x | x | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -x | x | x | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | -y | y | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -x | -y | y | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | x | x | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | x | -x | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | x | x | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | -x | x | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 201, fig. caption, 2 nd line from the bottom | frec | ϕ_{rec} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 208, Eq. (9.15) | $(3J(\omega_H) + J(0))$ | $(3J(\omega_H) + 2J(0))$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 218, 5 th line above Eq. (10.3a) | $-2S_z^{eq}$ | $-S_z^{eq}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 219, Eq. (10.6) | $-b\hat{I}_z - c2\hat{I}_z\hat{S}_x$ | $+b\hat{I}_z + c2\hat{I}_z\hat{S}_x$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 278, 2 nd line above Eq. (11.24) | $4\hat{I}_z\hat{C}_z\hat{D}_y(T_1)$ | $4\hat{I}_z\hat{C}_z\hat{D}_z(T_1)$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 305, Eq. (12.2) | $4J(0)$ | $\frac{2}{5}J(0)$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| p. 322, 3 rd line above Eq. (13.20) | $\tau_B^{-1} \ll T_{2A}^{-1}$ | $\tau_B^{-1} \gg T_{2A}^{-1}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| p. 401, 1 st line of figure caption | L-aniline | L-alanine |
| p. 402, 1 st line of figure caption | L-aniline | L-alanine |