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Correction: Chemistry of aromatic polythioesters and polydithioesters

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Correction for 'Chemistry of aromatic polythioesters and polydithioesters' by Daisuke Abe, *et al.*, *Polym. Chem.*, 2015, 6, 3131–3142.

The authors regret the wrong arrangement of the *trans* fractions derived from MO calculations for the S–CH₂ bond in Table 1 of the original paper. The corrected version of Table 1 is as shown below.

Table 1 Vicinal coupling constants and *trans* fractions (*p_t*'s) of 3DBS₂ and 3DBS₄

					p_t		
					$\text{CH}_2\text{--CH}_2$		
Medium	Temp. (°C)	$^3J_{\text{HH}}^a$	$^3J'_{\text{HH}}^a$	$^3J_{\text{CH}}^a$	Set A ^b	Set B ^c	S-CH ₂ ^d
3DBS ₂ (NMR expt)							
Cyclohexane-d ₁₂	15	6.61	7.50	4.55	0.42	0.44	0.14
	25	6.62	7.47	4.53	0.42	0.44	0.15
	35	6.66	7.47	4.52	0.42	0.43	0.15
	45	6.66	7.47	4.46	0.42	0.43	0.16
	55	6.72	7.46	4.46	0.41	0.43	0.16
Benzene-d ₆	25	6.47	7.84	4.46	0.45	0.47	0.16
Dimethyl-d ₆ sulfoxide	25	6.40	7.94	4.48	0.47	0.48	0.16
3DBS ₂ (MO calc.)							
Gas	15				0.44		0.11
	25				0.44		0.12
	35				0.44		0.12
	45				0.43		0.12
	55				0.43		0.12
Benzene	25				0.46		0.14
3DBS ₄ (NMR expt)							
Cyclohexane-d ₁₂	15	6.48	7.89	5.40	0.47	0.47	0.20
	25	6.50	7.89	5.37	0.46	0.47	0.20
	35	6.50	7.88	5.34	0.46	0.47	0.21
	45	6.54	7.84	5.30	0.46	0.46	0.21
	55	6.54	7.83	5.27	0.46	0.46	0.22
Benzene-d ₆	25	6.43	8.14	5.25	0.48	0.49	0.22
Dimethyl-d ₆ sulfoxide	25	6.35	8.11	5.35	0.49	0.49	0.20
3DBS ₄ (MO calc.)							
Gas	15				0.38		0.19
	25				0.38		0.19
	35				0.38		0.20
	45				0.38		0.20
	55				0.38		0.21
Benzene	25				0.41		0.22

^a In Hz. ^b From MO calculations: *J_T* = 12.55, *J_G* = 3.81, *J'_T* = 11.58, *J'_G* = 2.40, *J''_G* = 3.59, and *J'''_G* = 2.79 Hz for 3DBS₂; *J_T* = 12.58, *J_G* = 3.77, *J'_T* = 11.76, *J'_G* = 2.39, *J''_G* = 3.81, and *J'''_G* = 2.70 Hz for 3DBS₄ (this study). ^c From experimental *J_T* and *J_G* values of 2-*tert*-butyl-1,3-dithiane.²⁴ ^d From MO calculations: *J_G* = 1.08, *J'_T* = 6.39, and *J'_G* = 3.86 Hz for 3DBS₂; *J_G* = 1.14, *J'_T* = 8.17, and *J'_G* = 4.69 Hz for 3DBS₄ (this study).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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