RSC Advances



CORRECTION

View Article Online
View Journal | View Issue



Cite this: RSC Adv., 2017, 7, 7694

Correction: Aluminal speciation in the crystal nucleus: a mass spectral interpretation

Alan Stewart Hare

DOI: 10.1039/c7ra90004j

www.rsc.org/advances

Correction for 'Aluminal speciation in the crystal nucleus: a mass spectral interpretation' by Alan Stewart Hare, RSC Adv., 2016, 6, 86540–86559.

The author wishes to amend errors in content and formatting in the original article to correct potentially misleading statements. The following alterations should be made to the original article:

Page 86542, Table 1: On the 'Keggin cage' line, 'rD' should be changed to 'ρD'.

Page 86544, Fig. 2 caption: In the G(x) equation, below the summation symbol \sum , the lower limit of the summation 'i = x + 1' is incorrect, and should be amended to 'i = 1'.

Page 86545, Table 2: In the row below the 'N-dimensional species' line, in the p column, 'a(n-1)' should be ' $\alpha(n-1)$ '. Specifically, the italicised letter 'a' should be revised to an italicised Greek letter alpha.

Page 86548, Section 2.6.7.3: In the second paragraph, third sentence, in the subscript following '(OH)' in the formula, '(x-1)2' should be '(x-1)2'.

Page 86549, Table 3: In the row below the 'Penrose in 3-d' line, in the q column, 3ρ II should be 3ρ I.

Page 86550, Section 2.6.7.5: In the sentence beginning 'Summing squares', in the equation, (2/3)x - 1' should be (2/3)(x - 1)'. Page 86554, Section 2.6.8.7: In the binomial expansion, within the second pair of square brackets, the first two components of

the first term should be bracketed together; so that ' $\Phi_{n+1}{}^2 + \Phi_n{}^2$ ' becomes ' $(\Phi_{n+1}{}^2 + \Phi_n{}^2)$ '. The corrected binomial expansion is presented below:

$$\Bigg[\sum_{k=0}^{x-2}{}^{x-2}C_k\big(\boldsymbol{\varPhi}_{n+1}{}^2+\boldsymbol{\varPhi}_{n}{}^2\big)^k(\boldsymbol{\varPhi}_{n}(\boldsymbol{\varPhi}_{n+1}+\boldsymbol{\varPhi}_{n-1}))^{x-k-2}\Bigg]\Big[\big(\boldsymbol{\varPhi}_{n+1}{}^2+\boldsymbol{\varPhi}_{n}{}^2\big)\big|\boldsymbol{G}_{V_1}(2)\big\rangle+\boldsymbol{\varPhi}_{n}(\boldsymbol{\varPhi}_{n+1}+\boldsymbol{\varPhi}_{n-1})\big|\boldsymbol{G}_{V_2}(2)\big\rangle\Big],$$

Page 86557, Section 3: In the paragraph beginning 'Or dimer could react', 9H₂O should be 13H₂O.

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