Chemical Science

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Chem. Sci.*, 2025, **16**, 13122

DOI: 10.1039/d5sc90136g

rsc.li/chemical-science

Correction: A planar pentacoordinate oxygen in the experimentally observed $[Be_5O_6]^{2-}$ dianion

Rui Sun,[ab] Yang Yang,[a] Xin Wu,[b] Hua-Jin Zhai,[a] Caixia Yuan*[a] and Yan-Bo Wu*[a]

Correction for 'A planar pentacoordinate oxygen in the experimentally observed $[Be_5O_6]^{2-}$ dianion' by Rui Sun *et al.*, *Chem. Sci.*, 2025, https://doi.org/10.1039/d5sc02361k.

The authors regret that the use of the phrase "electrospray ionization" was incorrect in two instances in their published articles. The affected sentences are:

"The $[Be_5O_6]^{2-}$ dianion, first produced in 2006 *via* electrospray ionization and initially proposed by a concurrent computational study to adopt a linear O–Be alternating structure, stands as a rare experimentally observed SMCA."

And

"Notably, a literature survey revealed that the corresponding $[Be_5O_6]^{2-}$ dianion was generated in 2006 *via* electrospray ionization,[37] but a concurrent computational study[38] incorrectly proposed a linear O–Be-alternating structure (**0** in Fig. 1)."

The phrase "electrospray ionization" is hereby corrected to "simultaneous metal sputtering and O_2 flooding". The sentences above are corrected to:

"The $[Be_5O_6]^{2-}$ dianion, first produced in 2006 *via* simultaneous metal sputtering and O_2 flooding and initially proposed by a concurrent computational study to adopt a linear O–Be alternating structure, stands as a rare experimentally observed SMCA."

And

"Notably, a literature survey revealed that the corresponding $[Be_5O_6]^{2-}$ dianion was generated in 2006 *via* simultaneous metal sputtering and O_2 flooding,[37] but a concurrent computational study[38] incorrectly proposed a linear O–Be-alternating structure (**0** in Fig. 1)."

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

[a]*Key Laboratory of Chemical Biology and Molecular Engineering, Ministry of Education, Key Laboratory of Materials for Energy Storage and Conversion of Shanxi Province, Institute of Molecular Science, Shanxi University, 92 Wucheng Road, Taiyuan, Shanxi, 030006, People's Republic of China. E-mail: wyb@sxu.edu.cn; cxyuan@sxu.edu.cn*

[b]*Basic Sciences Department, Shanxi Agricultural University, 1 South Mingxian Road, Taigu, Shanxi, 030801, People's Republic of China*