



Cite this: *Phys. Chem. Chem. Phys.*, 2020, 22, 17412

## Correction: Citrate combustion synthesized Al-doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ quadruple perovskite: synthesis, characterization and multifunctional properties

Kamalesh Pal,<sup>a</sup> Arka Dey,<sup>bc</sup> Rajkumar Jana,<sup>b</sup> Partha P. Ray,<sup>b</sup> Parthasarathi Bera,<sup>d</sup> Lalit Kumar,<sup>e</sup> Tapas Kumar Mandal,<sup>e</sup> Paritosh Mohanty,<sup>e</sup> Md. Motin Seikh<sup>\*f</sup> and Arup Gayen<sup>\*a</sup>

DOI: 10.1039/d0cp90168g

rsc.li/pccp

Correction for 'Citrate combustion synthesized Al-doped  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  quadruple perovskite: synthesis, characterization and multifunctional properties' by Kamalesh Pal *et al.*, *Phys. Chem. Chem. Phys.*, 2020, 22, 3499–3511, DOI: 10.1039/C9CP05005A.

The authors would like to make a correction to Table 1 in the published article, where some of the structural data reported do not correspond to the sample. The reported structural parameters in Table 1, namely the cell parameter (Å),  $R_B$  (%),  $R_F$  (%) and  $\chi^2$ , were interchanged between ACCTO1' and CCTO', and the atomic coordinate along the  $x$ -direction was typed in upper case. These are indicated in bold.

The corrected Table 1 is shown below.

**Table 1** Summary of structural parameters of ACCTO1' and CCTO' (S.G.  $Im\bar{3}$ )

Sample	Cell parameter (Å)	$R_B$ (%)	$R_F$ (%)	$\chi^2$	FWHM ( $\beta_{220}$ )	$2\theta$ (°)	Crystallite size $D$ (nm)	Dislocation density $\delta$ ( $\times 10^{-3}$ )	Micro strain $\varepsilon$ ( $\times 10^{-3}$ )
ACCTO1'	<b>8.046</b> (±2)	<b>4.06</b>	<b>5.51</b>	<b>2.91</b>	0.172	34.30	48	20.8	2.43
CCTO'	7.393(±2)	<b>3.01</b>	<b>5.12</b>	<b>2.37</b>	0.126	34.26	67	14.9	1.78

  

Atom	Ox.	Wyck.	Occ.	$x$	$y$	$z$	$U$
Ca	+2	2a	1	0	0	0	0.0058
Cu	+2	6b	1	0	1/2	1/2	0.0045
Ti/Al	+4	8c	1	1/4	1/4	1/4	0.0053
O	−2	24g	1	0.30410	0.17990	0	0.0089

  

Bond length (Å)			Bond angle (°)		
$d_{\text{Ca-O}}$	$d_{\text{Cu-O}}$	$d_{\text{Ti/Al-O}}$	$\angle \text{Ti-O-Ti}$	$\angle \text{O-Cu-O}$	$\angle \text{O-Ti-O}$
2.610	1.965	1.959	140.99	85.12	89.83

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

<sup>a</sup> Department of Chemistry, Jadavpur University, Kolkata 700032, India. E-mail: agayenju@yahoo.com, arup.gayen@jadavpuruniversity.in; Fax: +91-33-2414-6223; Tel: +91-33-2457-2767

<sup>b</sup> Department of Physics, Jadavpur University, Kolkata 700032, India

<sup>c</sup> Department of Condensed Matter Physics and Material Sciences, S. N. Bose National Centre for Basic Sciences, Kolkata 700106, India

<sup>d</sup> Surface Engineering Division, CSIR – National Aerospace Laboratories, Bengaluru, 560017, India

<sup>e</sup> Department of Chemistry and Centre of Nanotechnology, Indian Institute of Technology Roorkee, Roorkee 247667, India

<sup>f</sup> Department of Chemistry, Visva-Bharati, Santiniketan 731235, India. E-mail: mdmotin.seikh@visva-bharati.ac.in; Fax: +91-3463-262672; Tel: +91-9933052194

