



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,^a Arka Dey,^{bc} Rajkumar Jana,^b Partha P. Ray,^b Parthasarathi Bera,^d Lalit Kumar,^e Tapas Kumar Mandal,^e Paritosh Mohanty,^e Md. Motin Seikh^{*f} and Arup Gayen^{*a}

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 ($\text{\AA}$), R_B (%), R_F (%) and χ^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 (%)	χ^2	FWHM (β_{220})	2θ (°)	Crystallite size D (nm)	Dislocation density δ ($\times 10^{-3}$)	Micro strain ε ($\times 10^{-3}$)
ACCTO1'	8.046 (±2)	4.06	5.51	2.91	0.172	34.30	48	20.8	2.43
CCTO'	7.393 (±2)	3.01	5.12	2.37	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.

^a 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

^b Department of Physics, Jadavpur University, Kolkata 700032, India

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

^d Surface Engineering Division, CSIR – National Aerospace Laboratories, Bengaluru, 560017, India

^e Department of Chemistry and Centre of Nanotechnology, Indian Institute of Technology Roorkee, Roorkee 247667, India

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

