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CORRECTION

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Correction: Synthesis and characterization of novel Li-stuffed garnet-like $Li_{5+2x}La_3Ta_{2-x}Gd_xO_{12}$ ($0 \leq x \leq 0.55$): structure–property relationships

Dalia M. Abdel Basset,[a,b] Suresh Mulmi,[a] Mohammed S. El-Bana,[b] Suzan S. Fouad[b] and Venkataraman Thangadurai*[a]

Correction for 'Synthesis and characterization of novel Li-stuffed garnet-like $Li_{5+2x}La_3Ta_{2-x}Gd_xO_{12}$ ($0 \leq x \leq 0.55$): structure–property relationships' by Dalia M. Abdel Basset, *et al.*, *Dalton Trans.*, 2017, **46**, 933–946.

There were some errors in Li occupancy in Table 1. The corrected Table 1 is given below. The changes are shown in BLUE.

[a]*Department of Chemistry, University of Calgary, 2500 University Drive Northwest, Calgary, Alberta, Canada T2N 1N4. E-mail: vthangad@ucalgary.ca; Tel: +1(403)-210-8649*
[b]*Nano-Science & Semiconductor Laboratories, Department of Physics, Faculty of Education, Ain Shams University, Cairo, 11566, Egypt*

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Table 1 The powder X-ray Rietveld refinement results for $Li_{5+2x}La_3Ta_{2-x}Gd_xO_{12}$ ($0 \leq x \leq 0.55$). The model used for the Li distribution is based on ref. 25, 29, 32 and 33

	Atom	Wyckoff-site	x	y	z	Occupancy	$U_{iso.}$ (Å^2)
$x = 0$	Li1	24*d*	1/4	7/8	0	0.802	0.025
R_p: 9.75, χ^2: 1.237	Li2	48*g*	1/8	0.6826	0.5674	0.139	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.147	0.025
	La	24*c*	1/8	0	1/4	1	0.0296(1)
	Ta	16*a*	0	0	0	1	0.0268(8)
	O	96*h*	0.2879(9)	0.0984(1)	0.2011(2)	1	0.0192(9)
$x = 0.15$	Li1	24*d*	1/4	7/8	0	0.718	0.025
R_p: 10.2, χ^2: 3.23	Li2	48*g*	1/8	0.6826	0.5674	0.181	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.173	0.025
	La	24*c*	1/8	0	1/4	1	0.0208(8)
	Ta	16*a*	0	0	0	0.925	0.025
	Gd	16*a*	0	0	0	0.075	0.025
	O	96*h*	0.2796(5)	0.1056(4)	0.1989(4)	1	0.025
$x = 0.25$	Li1	24*d*	1/4	7/8	0	0.681	0.025
R_p: 9.97, χ^2: 1.436	Li2	48*g*	1/8	0.6826	0.5674	0.215	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.182	0.025
	La	24*c*	1/8	0	1/4	1	0.0221(3)
	Ta	16*a*	0	0	0	0.875	0.025
	Gd	16*a*	0	0	0	0.125	0.025
	O	96*h*	0.2870(1)	0.0949(2)	0.2007(3)	1	0.025
$x = 0.35$	Li1	24*d*	1/4	7/8	0	0.678	0.025
R_p: 10.07, χ^2: 1.48	Li2	48*g*	1/8	0.6826	0.5674	0.227	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.193	0.025
	La	24*c*	1/8	0	1/4	1	0.0197(5)
	Ta	16*a*	0	0	0	0.825	0.0114(4)
	Gd	16*a*	0	0	0	0.175	0.025
	O	96*h*	0.2930(2)	0.0965(2)	0.1968(5)	1	0.025
$x = 0.45$	Li1	24*d*	1/4	7/8	0	0.675	0.025
R_p: 11.34, χ^2: 2.304	Li2	48*g*	1/8	0.6826	0.5674	0.228	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.210	0.025
	La	24*c*	1/8	0	1/4	1	0.0229
	Ta	16*a*	0	0	0	0.775	0.0262
	Gd	16*a*	0	0	0	0.225	0.025
	O	96*h*	0.2851	0.1041(8)	0.2031(2)	1	0.025
$x = 0.55$	Li1	24*d*	1/4	7/8	0	0.671	0.025
R_p: 13.94, χ^2: 2.848	Li2	48*g*	1/8	0.6826	0.5674	0.229	0.025
	Li3	96*h*	0.0927	0.684	0.5795	0.224	0.025
	La	24*c*	1/8	0	1/4	1	0.0132(7)
	Ta	16*a*	0	0	0	0.725	0.0015
	Gd	16*a*	0	0	0	0.275	0.025
	O	96*h*	0.2842(6)	0.0908(2)	0.1987(5)	1	0.025

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