Correction to: Synthesis and characterization of α -Ag₂MoO₄/ β -Ag₂MoO₄ heterostructure obtained by fast and simple ultrasonic spray pyrolysis method at different temperatures

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In the original version of this article, Table 1 was unfortunately displayed incorrectly. The crystallite size (D) in Table 1 of the original version of this article was wrongly stated with five decimal places. The Scherrer equation is used only for an estimation of the crystallite size of the particles, and the use of the decimal places give the wrong impression of precision and should be ignored. The estimation of crystallite size was given by the Scherrer equation:

$$D = \frac{K\lambda}{\beta \cos \theta}, \quad (1)$$

where D is the estimation of the crystallite size, λ is the X-ray wavelength, β is the full width at half maximum (FWHM) of the selected peak, θ is the Bragg angle, and K , the so-called Scherrer constant, was taken as 0.94, which depends on the crystallite shape and distribution, indices of the diffraction line, and the actual definition used for β whether FWHM or integral breadth. The corrected Table 1 is given below.

Table 1 XRD data with estimated crystallite size (D), average ($\bar{D}$), and phase proportion ratio of all samples

Parameters	Samples			
	β -Ag ₂ MoO ₄ —400 °C	α/β -Ag ₂ MoO ₄ —500 °C	α/β -Ag ₂ MoO ₄ —600 °C	α/β -Ag ₂ MoO ₄ —700 °C
2 θ (°)	31.78	31.94/29.83	31.92/29.85	31.87/29.78
FWHM (°)	0.22319	0.31745/0.31759	0.16070/0.18500	0.24100/0.28419
D (nm)	38	27/27	53/46	35/30
$\bar{D}$ (nm)	36	27	50	33
β -Phase (%)	88.53	58.12	44.03	25.42
α -Phase (%)	—	41.88	55.92	54.59
NH ₄ NO ₃ (%)	11.47	—	—	—
Ag (%)	—	—	—	12.99

The original article can be found online at <https://doi.org/10.1007/s10854-020-02980-0>.

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