

CORRECTION

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Correction: Thermal energy grid storage using multi-junction photovoltaics

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Correction for 'Thermal energy grid storage using multi-junction photovoltaics' by Caleb Amy *et al.*, *Energy Environ. Sci.*, 2019, 12, 334–343.

On page 2 there should have been an additional reference included with the following statement:

"Several embodiments^{18,19} are under development involving the conversion of electricity to heat, which is then stored and later converted back on demand, such that we have generally termed this class of technologies thermal energy grid storage (TEGS) herein."

The missing reference is cited below as ref. 1 and should have appeared after the original references 18 and 19.

On page 3 there should have been some additional references included with the following statement:

"The new TEGS-MPV system concept is illustrated in Fig. 2 and consists of a low cost thermal storage fluid, nominally 553 metallurgical grade (98.5% pure) silicon, which costs ~\$1.6 per kg at high volume."

The missing references are cited below as ref. 2–5 and should have appeared at the end of the sentence.

On page 5 there should have been two additional references included with the following statement:

"Nonetheless, the MPV cells considered herein are still envisioned to incorporate a BSR, but for this temperature regime, higher band gap materials as well as multiple junctions are expected to be optimal."

The missing references are cited below as ref. 6 and 7 and should have appeared at the end of the sentence.

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

References

- 1 A. Datas, A. Ramos, A. Martí, C. del Cañizo and A. Luque, Ultra high temperature latent heat energy storage and thermophotovoltaic energy conversion, *Energy*, 2016, **107**, 542–549.
- 2 D. L. Chubb, B. S. Good and R. A. Lowe, Solar thermophotovoltaic (STPV) system with thermal energy storage, *AIP Conf. Proc.*, 1996, **358**(1), 181–198.
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- 5 A. Datas and C. Algara, Development and experimental evaluation of a complete solar thermophotovoltaic system, *Prog. Photovoltaics Res. Appl.*, 2013, **21**(5), 1025–1039.
- 6 A. Datas, Optimum semiconductor bandgaps in single junction and multijunction thermophotovoltaic converters, *Sol. Energy Mater. Sol. Cells*, 2015, **134**, 275–290.
- 7 S. Wojtczuk, Comparison of 0.55 eV InGaAs single-junction vs. multi-junction TPV technology, *AIP Conf. Proc.*, 1997, **401**(1), 205–213.

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