



ERRATUM

Upconversion of low-energy photons in semiconductor nanostructures for solar energy harvesting — ERRATUM

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In the original publication of this article [1], there were several errors and omissions. They are as follows:

1. Author Christopher C. Milleville's middle initial was missing and has since been updated.
2. Table 2 contained value errors. An updated version of the table is included below.

	Compatible solar cells	Absorption bandwidth (AB) (meV)	AB (nm)	Maximum energy gain (meV, nm)	Internal UQE (%) ^b	Lowest conc. for observed UC (suns)	Ref.
Homogeneously doped lanthanide	mc, μ c Si	80	1450 – 1600	450/1440 ^d , 1523 to 980/550 ^d	32.4%	~15 suns	18 and 25
Core/multi-shell lanthanide	mc, μ c Si	350	1100 – 1600	720/1440 ^d , 1523 to 810/550 ^d	...	~100	67
TTA	a-Si:H, DSC	413/50 ^a	600/730 – 750	730, 700 to 520	35% ^c	1.4, 0.3	22, 24, 27
TPU	III-V	765	690 – 1190	765, 1190 to 690	...	17	61
QDUC	a-Si:H, CIGS, DSC	>700/800	600 – 850/980	700, 850 to 580	0.002%	1	56

3. On page 14, the word “(theoretical)” should follow the value for TTA molecules, and the citation should read “65”.
4. Reference 77 should not have been included.
5. Figure 16 is the original work of the authors - the caption noting “Adapted from Ref. 72” was incorrectly attributed.
6. The authors would like to add thanks in their acknowledgements to J. M. Cleveland, D. B. Chase, and K. R. Lennon for helpful discussions.

The authors regret these errors and omissions.

REFERENCE:

1. Chen E. Y., Milleville C. C., Zide J. M. O., Doty M. F., and Zhang J. (2018). Upconversion of low-energy photons in semiconductor nanostructures for solar energy harvesting. *MRS Energy & Sustainability*, 5, E16. doi:10.1557/mre.2018.15