Equation (3) in Sivan & Dubi, “Theory of ``hot’’ photoluminescence from Drude metals” [1] is an approximation to the exact formula which appears in Ref. [52] of [1]. However, this approximation does not hold for the entire range of energies (specifically, it does not hold for energies below the Fermi energy, which are of negligible importance for the photoluminescence). The expression (1) should be replaced with the exact expression,

$$f\left(E;T\_{e};\left|\hat{E}\_{L}\right|^{2}\right)=$$

$f^{T}\left(E;T\_{e}\right)+δ\_{E}\left(E\right)((1-f^{T}\left(E;T\_{e}))f^{T}\left(E-ℏω\_{L}\right)-f^{T}\left(E;T\_{e}\right)\left(1-f^{T}\left(E+ℏω\_{L}\right)\right) \right)$. (1)

This correction does not affect any of the equations appearing later in the manuscript, nor any other results, discussions, or conclusions reported in the paper. We thank Sebastian Bange for pointing out this mistake to us.

[1] Y. Sivan & Y. Dubi, ACS Nano 2021, 15, 5, 8724–8732; <https://doi.org/10.1021/acsnano.1c00835>