

Publisher Correction: Control of semiconductor emitter frequency by increasing polariton momenta

Yaniv Kurman, Nicholas Rivera, Thomas Christensen, Shai Tseses, Meir Orenstein, Marin Soljačić, John D. Joannopoulos and Ido Kaminer

Correction to: *Nature Photonics* <https://doi.org/10.1038/s41566-018-0176-6>, published online 4 June 2018.

In the version of this Article originally published, in the PDF, in equations (1) and (3b), the superscript ‘ ρ ’ was mistakenly set as ‘ j ’; the equations should have read:

$$\mathbf{E}_{\mathbf{q}}(\mathbf{r}) \propto e^{-q|z|} e^{-i\mathbf{q}\cdot\boldsymbol{\rho}} (\hat{\mathbf{q}} \pm i\hat{\mathbf{z}}) \quad (1)$$

$$\psi_{n\mathbf{k}}(\mathbf{r}) = e^{-i\mathbf{k}\cdot\boldsymbol{\rho}} \phi_n(z-z_0) \quad (3b)$$

The equation number (5) was missing from the following equation:

$$\Gamma_{ab}^{\text{em}} = \frac{2\pi}{\hbar} \sum_{\mathbf{k}_i, \mathbf{k}_f} \left| \langle n_f, \mathbf{k}_f, n_q \pm 1 | H_{\text{int}} | n_i, \mathbf{k}_i, n_q \rangle \right|^2 f(\mathbf{k}_i) \delta(E_{n_i, \mathbf{k}_i} - E_{n_f, \mathbf{k}_f} \mp \hbar\omega_q) \quad (5)$$

In equation (6), the proportional sign ‘ \propto ’ was mistakenly included in term (i), the equation should have read:

$$\frac{\langle n_f, \mathbf{k}_f, n_q \pm 1 | H_{\text{int}} | n_i, \mathbf{k}_i, n_q \rangle}{\underbrace{\langle n_f | e^{-qz} \partial_z | n_i \rangle}_{(i)}} \underbrace{\langle \mathbf{k}_f | e^{\pm i\mathbf{q}\cdot\boldsymbol{\rho}} | \mathbf{k}_i \rangle}_{(ii)} \propto \quad (6)$$

And, in both the PDF and HTML versions, in the equation in the sentence beginning “The results presented are normalized to yield...”, the denominator ‘ π^2 ’ was incorrect; it should have been ‘ $(2\pi)^2$ ’. These errors have now been corrected online.

Published online: 16 July 2018

<https://doi.org/10.1038/s41566-018-0214-4>