## Erratum: Quantum-dot single-photon sources: Prospects for applications in linear optics quantum-information processing [Phys. Rev. A 69, 032305 (2004)]

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We note that Eq. (5) should additionally include the terms

$$\cos^{2}\xi\sin^{2}\xi\langle\hat{a}_{1}^{\dagger}(t)\hat{a}_{1}^{\dagger}(t+\tau)\hat{a}_{1}(t+\tau)\hat{a}_{1}(t)\rangle + \cos^{2}\xi\sin^{2}\xi\langle\hat{a}_{2}^{\dagger}(t)\hat{a}_{2}^{\dagger}(t+\tau)\hat{a}_{2}(t+\tau)\hat{a}_{2}(t)\rangle,$$

in order for it to be valid in all cases. However, these terms have vanishing contributions to  $G_{34}^{(2)}(\tau)$  for the cases of interest analyzed in Figs. 4–10. In these cases, two-photon generation probability upon excitation by a single pulse is either negligible or identically zero. As a result, the principal results of the paper (depicted in Figs. 4–10) remain qualitatively and quantitatively unchanged. However, in the case of continuous-wave excitation discussed in Sec. II B 1, Eq. (17) should read

$$g_{34}^{(2)}(\tau) = \frac{1}{2} [1 - e^{-2\gamma\tau} + g^{(2)}(\tau)],$$

where  $g^{(2)}(\tau)$  is the second-order coherence function of the two-level emitter.