We noticed that the definition of the time-dependent expectation value $\mathcal{O}(t)$ and its time derivative $\dot{\mathcal{O}}(t)$ is missing in the aforementioned article. For clarity, the term $\dot{\mathcal{O}}(t)$ should be replaced by $\frac{d\mathcal{O}(t)}{dt}$ in Eqs. (2.18) and (2.19). Correspondingly, $\dot{\mathcal{P}}_{\gamma}(t)$ ($\dot{\mathcal{P}}_{\alpha}(t)$) should be substituted by $\frac{d\mathcal{P}_{\gamma}(t)}{dt}$ ($\frac{d\mathcal{P}_{\alpha}(t)}{dt}$) in Eq. (2.19) (Eq. (2.20)). In addition, the last sentence of Sec. II B should read: “[...] ensures that $\langle \mathcal{P}_{\alpha}\rangle(t)$ increases (or decreases) at all times.” where we replaced $\dot{\mathcal{O}}(t)$ with $\langle \mathcal{P}_{\alpha}\rangle(t)$. These changes do not affect the results and conclusions of the article.