## Corrected Ly $\alpha$ luminosity function This study corrected This study no corr. $10^{-1}$ Drake et al. 2017 (obs) Mackenzie no corr. 2019 $\phi$ [Mpc<sup>-2</sup> (dlog<sub>10</sub>L)<sup>-1</sup> 10-2 z = 3.01710<sup>-3</sup> $10^{-4}$ $10^{-5}$ 10<sup>43</sup> $10^{41}$ $10^{42}$ Ly $\alpha$ luminosity [erg s<sup>-1</sup>]