

Atmos. Chem. Phys. Discuss., referee comment RC2  
<https://doi.org/10.5194/acp-2021-423-RC2>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## Comment on acp-2021-423

Anonymous Referee #2

---

Referee comment on "Single-particle Raman spectroscopy for studying physical and chemical processes of atmospheric particles" by Zhancong Liang et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-423-RC2>, 2021

---

My main issue with this review article is that ignores a lot of recent work in the field and focuses on older papers, e.g.:

Section 2.1.1.: Has there been no EDB work since that 1980 Ray and Davis paper?

Section 2.1.2.: Mostly references from 10 years ago. Tons of Raman work involving optical traps since then. No mention of cavity enhanced Raman scattering.

Section 2.2: Perhaps Refs 39, 40 are somewhat recent WGM references? Can't tell as they don't appear in the references section as they are not in the ACP style. As it stands, this section is very poor.

Section 3.1: Mostly references from 10+ years ago

Section 3.2: Mostly references from 10+ years ago

Section 3.4: There has been so much work on LLPS in the last 5 years that is not referenced here (and a lot of the papers referenced here have nothing to do with single particle Raman spectroscopy).