

# ***Interactive comment on “Hygroscopicity of urban aerosols and its link to size-resolved chemical composition during spring/summertime in Seoul, Korea” by Najin Kim et al.***

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The comment was uploaded in the form of a supplement:  
<https://www.atmos-chem-phys-discuss.net/acp-2020-450/acp-2020-450-RC1-supplement.pdf>

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Discussion paper



This is a good paper that should be published after many minor revisions. Most corrections are typical of Asian writing. Section 4 is difficult to follow and is not well supported. A figure showing the bimodal GF is in order. However, this section could be removed. Several definitions are needed.  
Define refractory, non-refractory, MDL, OA, PM1, downweighting, standard density, rush hours, epsilon (in Fig. 9), and SNR. Citation needed for PMF.

- L11. Correspondences singular. Were to was. Delete 1<sup>st</sup> the.
- L13. Change infer to imply.
- L15. Delete the.
- L18. Delete the.
- L26. Delete from its surrounding.
- L27. Particle plural. Delete the.
- L30. Rogers. Delete to be.
- L32. Add s to influence. Delete on.
- L33. Change it to hygroscopicity.
- L35. Delete problem. Change under a to with.
- L36. Add ity to humid. Delete condition.
- L40. Add Kim et al. 2011. Move the after of.
- L42. Insert the after of. Delete the.
- L43. Measurement plural.
- L44. Change mixture to mixing.
- L45. Delete would.
- L46. Change can to could.
- L47. Measurement plural. Insert a after for.
- L48. Mixture plural.
- L51. Delete values.
- L54. Delete their. Locations singular.
- L61. Delete the.
- L63. Delete of aerosols.
- L65. Estimates.
- L67. Various.
- L73. Delete 1<sup>st</sup> the.
- L75. Delete 2<sup>nd</sup> the. Area plural.
- L81. Change in to to.
- L82. Delete last the.
- L82-3. Move SMA in front of air.
- L83. Delete of.
- L89. Delete from a global perspective.
- L91. Delete the. Delete territory. Korea.
- L94. Delete last the.
- L98. Delete 2<sup>nd</sup> the.
- L99. Insert a after by. Insert a after and.
- L110. Measurement plural.
- L113. Delete the. Move road (singular) in front of traffic (singular). Delete on the.
- L116. Change such to this. Condition plural.