

# Supplementary Materials:

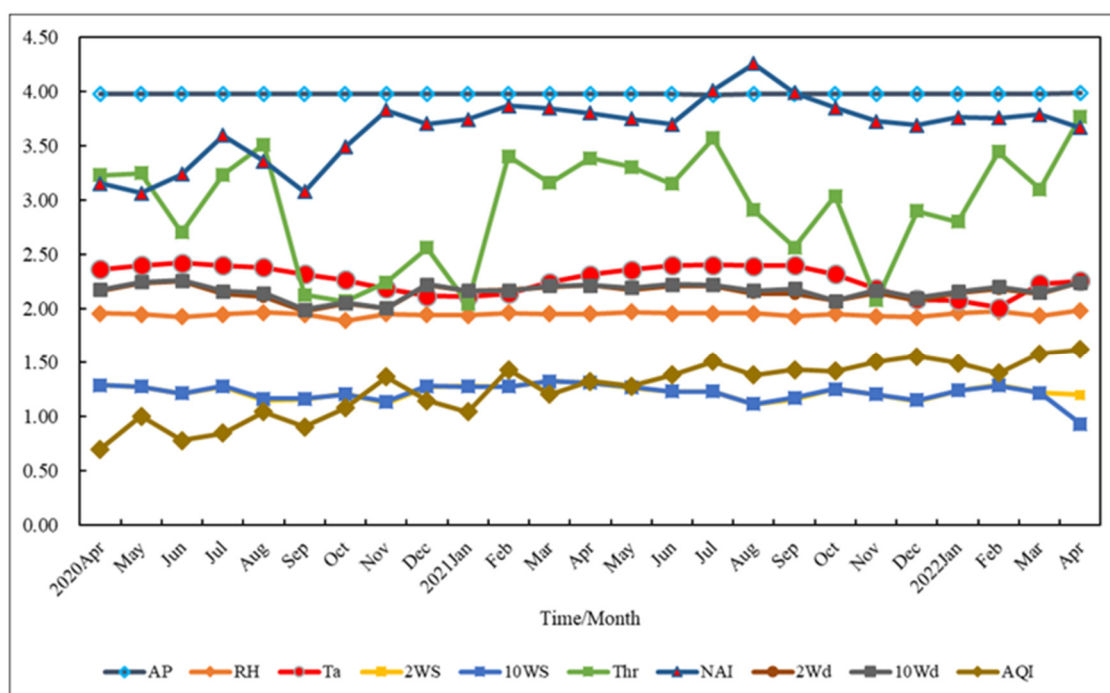
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**Figure S1.** The time distribution trend chart of environmental factors and NAI concentrations.

**Table S1.** Effects of NAI concentration grades on human health [4].

| NAI concentrations grade | Range of NAI concentrations<br>(ions/cm <sup>3</sup> ) | Effects on the human body       |
|--------------------------|--|---------------------------------|
| Excellent                | > 1,000  | Beneficial to human health      |
| Good                     | 700-1,000  | Meet basic physical needs       |
| Medium                   | 400-700  | General effects on human health |
| Poor                     | < 400  | Not beneficial to human health  |

## Reference

4. Li A B, Li Q L, Zhou B Z, et al. Temporal dynamics of negative air ion concentration and its relationship with environmental factors: Results from long-term on-site monitoring. *Science of the Total Environment*, **2022**, 832: 155057.