

Supplementary data of

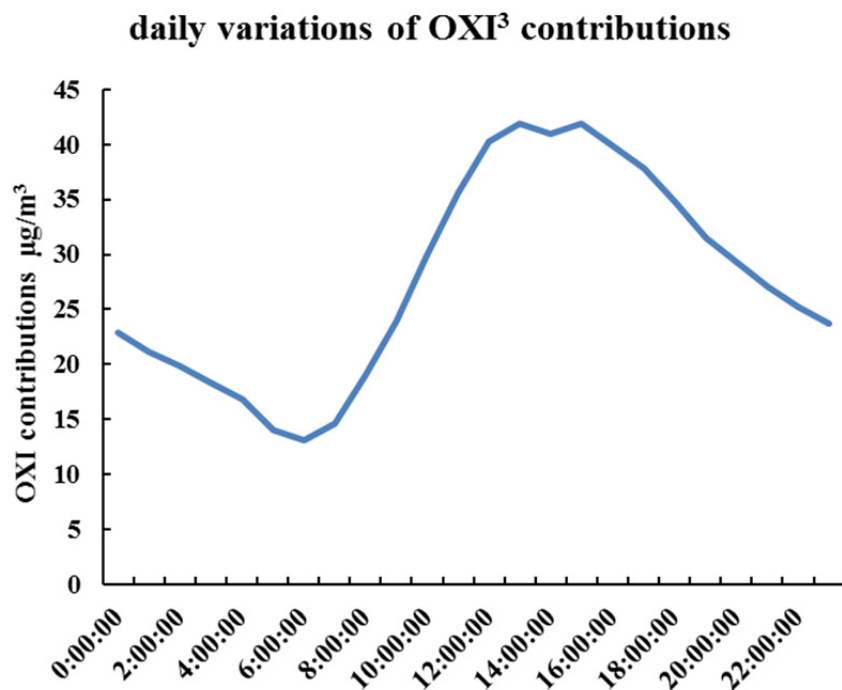
**PMF-GAS methods to estimate contributions of sources and oxygen for PM<sub>2.5</sub>,  
based on high time-resolved PM<sub>2.5</sub> species and gas data**

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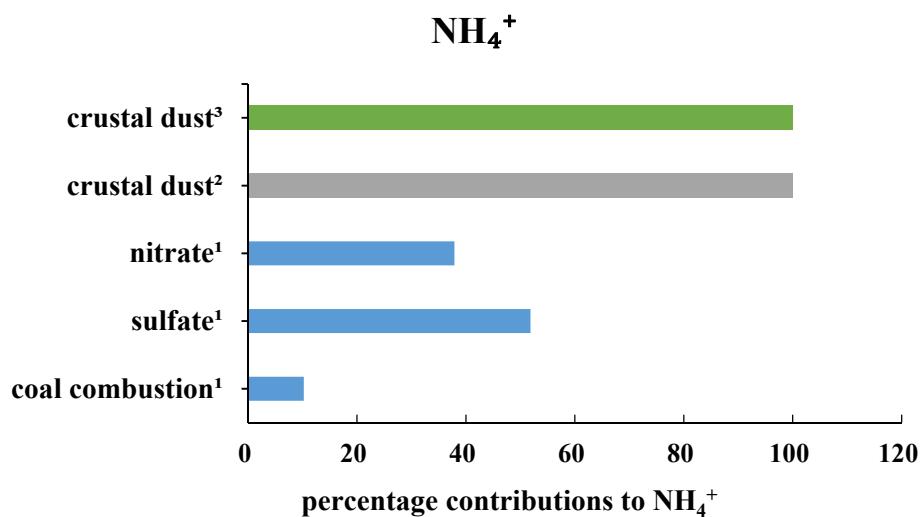
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**Fig. S1.** The average daily variations of OXI<sup>3</sup> contributions.



**Fig. S2.** Percentage contributions to NH<sub>4</sub><sup>+</sup> estimated by three kinds of PMG-GAS methods.

**Table S1** Pearson correlation matrix between indicators.

	PM1/PM2.5	PM2.5/PM10	PM10/TSP
Cl <sup>-</sup>	0.02	0.00	0.06**
F <sup>-</sup>	0.08**	-0.21**	-0.08**
NO <sub>3</sub> <sup>-</sup>	-0.05**	0.10**	0.07**
NO <sub>2</sub> <sup>-</sup>	0.02	-0.02	-0.01
SO <sub>4</sub> <sup>2-</sup>	-0.10**	0.15**	0.06**
NH <sub>4</sub> <sup>+</sup>	-0.04*	-0.02	0.03*
Ca <sup>2+</sup>	-0.09**	-0.21**	-0.02
Mg <sup>2+</sup>	0.00	0.04*	0.07**
K <sup>+</sup>	0.03	0.04*	0.06**
Na <sup>+</sup>	0.01	0.01	0.04*
OC	0.04*	-0.08**	0.04**
EC	0.00	-0.12**	0.05**
TS	0.03	-0.08**	0.05**
TN	0.03*	-0.13**	-0.01
SOR	-0.12**	0.23**	0.04**
NOR	-0.00	0.18**	0.05**
C/A	0.09**	0.003	0.04*

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).