Dear reviewer,

Thanks a lot for your recognition and the valuable suggestions!

This file shows all the revised figures and supplementary table mentioned in the response text.

All the corrections and responses will be incorporated into the new revised manuscript (manuscript_R1). If further responses and corrections should be made, please don't hesitate to let me know.

Yours Sincerely
Corresponding author
Prof. Shuxiao Wang
School of Environment, Tsinghua University
Beijing 100084, P.R. China
Tel & Fax: 86-10-6277-1466
E-mail: shxwang@tsinghua.edu.cn

Table caption list

Table R1: Comparison of research contents among similar studies.

Figure caption list

Figure R1 (Figure 6 in manuscript_R1): City's ratios and their change rates of air pollutant emission to CO_2 emission during 2013–2021 in China.

Figure R2 (Figure 9 in manuscript_R1): Emission contributions from different types of transport facilities in 2021 in China.

Table R1: Comparison of research contents among similar studies.

Elements		This study	Zheng et al. (2018)	Gao et al. (2022)	Zhang et al. (2022)
Dataset		ABaCAS-EI	MEIC	CHRED 3.0A	China Environment Yearbook, CHRED
Time		2005-2021	2010-2017	2018	2012-2018
Spatial scale		province city	nation	city grid (10km)	city
Sector		15 subsectors	5 sectors	21 subsectors	NA
Historical trend	reduction measures	structure adjustment energy & material saving end-of-pipe control	end-of-pipe control	NA	energy use technological progress end-of-pipe control
	co-control achievement	sector province/city	NA	NA	city
Future priority	potential synergistic reduction	sector province/city measure	NA	grid	measure

NA: not analyzed
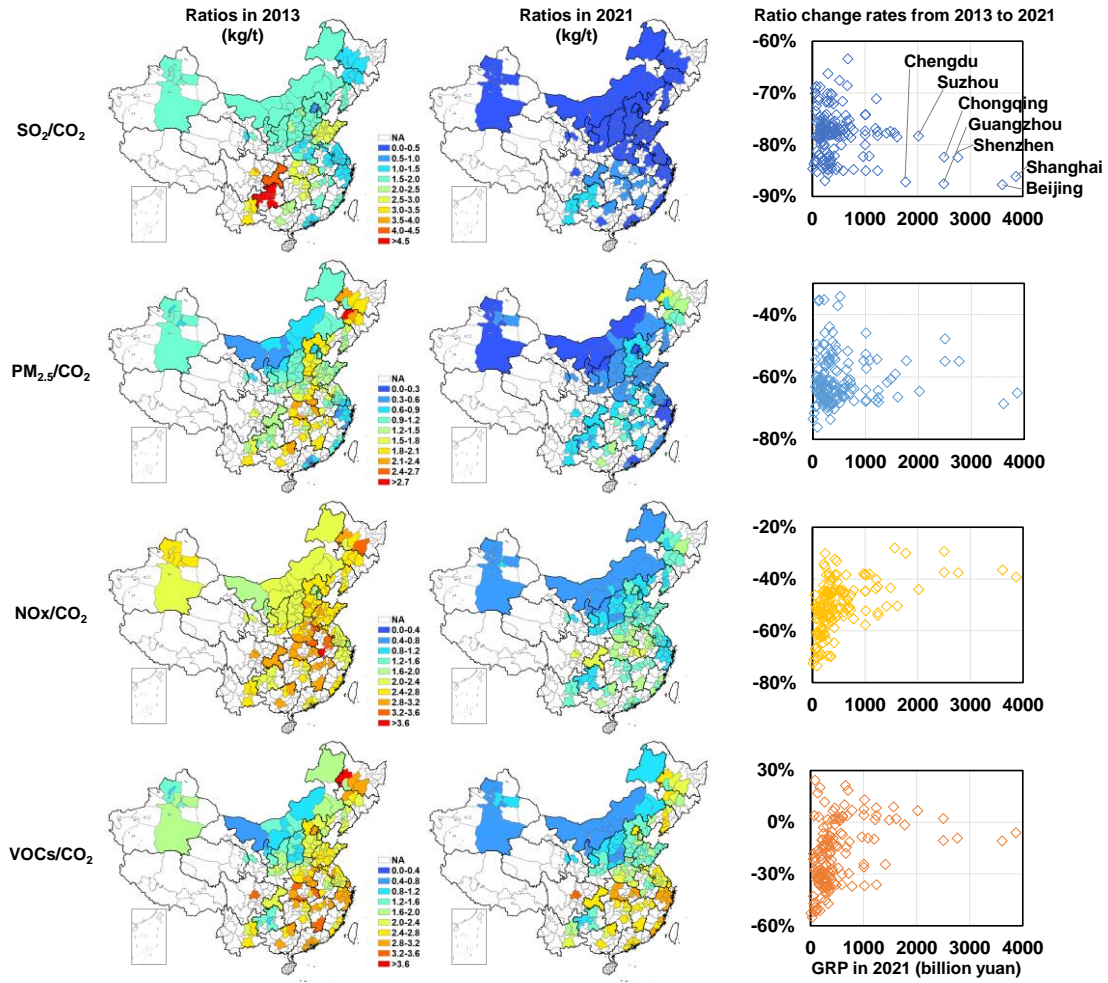
Figure R1 (Figure 6 in manuscript_R1): City's ratios and their change rates of air pollutant emission to CO_2 emission during 2013–2021 in China. (NA: data not analyzed; GRP: Gross Regional Product)
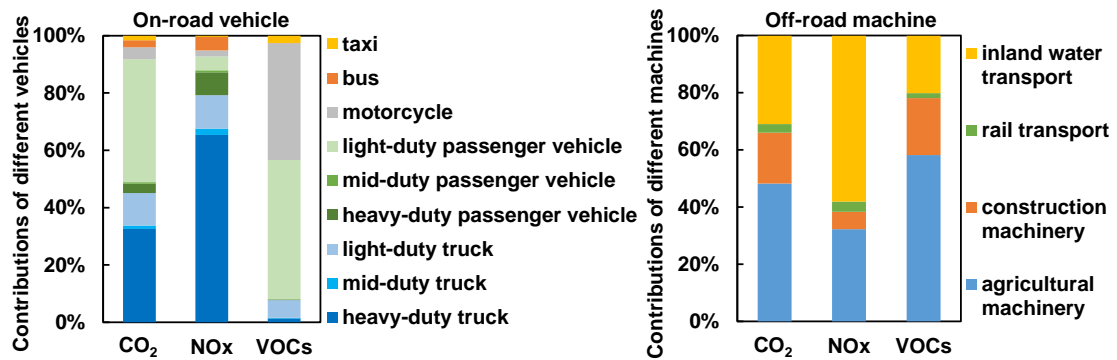
Figure R2 (Figure 9 in manuscript_R1): Emission contributions from different types of transport facilities in 2021 in China.

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