

CORRECTION

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Correction: Climate-relevant properties of black carbon aerosols revealed by in situ measurements: a review

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Correction : Progress in Earth and Planetary Science (2023) 10:12
<https://doi.org/10.1186/s40645-023-00544-4>

The publication of this article (Moteki 2023) unfortunately contain mistakes.

In section 2.2 and 3.3, “Ohata et al. 2018” is cited in the text but not listed in the reference section. The following reference is added:

Ohata S, Yoshida A, Moteki N, Adachi K, Takahashi Y, Kurisu M, Koike M (2018) Abundance of light-absorbing anthropogenic iron oxide aerosols in the urban atmosphere and their emission sources. *J Geophys Res Atmos* 123(15):8115–8134. <https://doi.org/10.1029/2018JD028363>

In section 3.3, “Matsui et al. 2018” is cited in the text but not listed in the reference section. The following reference is added:

Matsui H, Mahowald NM, Moteki N, Hamilton DS, Ohata S, Yoshida A, Koike M, Scanza RA, Flanner MG (2018) Anthropogenic combustion iron as a complex

climate forcer. *Nat Commun* 9:1593. <https://doi.org/10.1038/s41467-018-03997-0>

In Sect. 3.4,

“Liu et al. (2020a, b)” should read as “Liu et al. (2020b)”

In Sect. 3.4,

“a plausible (m_r , m_i) domain that contains the BC refractive index at 633 nm wavelength: $1.7 \leq m_r \leq 2.2$ and $0.51 + 0.014m_r^{5.2} \leq m_i \leq \min(1.5, 2.5m_r - 3.5)$.” should read as

“a plausible (m_r , m_i) domain that contains the BC refractive index at 633 nm wavelength:

$$\left\{ \begin{array}{ll} 0.51 + 0.014m_r^{5.2} \leq m_i \leq 2.5m_r - 3.5 & \text{if } 1.7 \leq m_r \leq 1.8 \\ 0.51 + 0.014m_r^{5.2} \leq m_i \leq 1.5 & \text{if } 1.8 < m_r \leq 2.2 \end{array} \right. .”$$

The original article can be found online at <https://doi.org/10.1186/s40645-023-00544-4>.

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The original article has been corrected.

Published online: 27 March 2023

Published: 27 March 2023

Moteki N (2023) Climate-relevant properties of black carbon aerosols revealed by in situ measurements: a review. *Prog Earth Planet Sci* 10:12. <https://doi.org/10.1186/s40645-023-00544-4>

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