





List of Rolf Sander's Publications

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ORCID: 0000-0001-6479-2092

Open-access articles are marked with: 

— 2018 —


98. Sander, R., Baumgaertner, A., Cabrera-Perez, D., Frank, F., Groß, J.-U., Gromov, S., Harder, H., Huijnen, V., Jöckel, P., Karydis, V. A., Niemeyer, K., Pozzer, A., Riede, H., Schultz, M., Taraborrelli, D., & Tauer, S.: *The atmospheric chemistry box model CAABA/MECCA-4.0gmdd*, Geosci. Model Dev. Discuss., doi:10.5194/gmd-2018-201 (2018) 
97. Nikolaou, Z. M., Chen, J.-Y., Proestos, Y., Lelieveld, J., & Sander, R.: *Accelerating simulations using REDCHEM_v0.0 for atmospheric chemistry mechanism reduction*, Geosci. Model Dev., 11, 3391–3407, doi:10.5194/gmd-11-3391-2018 (2018) 
96. Mallik, C., Tomsche, L., Bourtsoukidis, E., Crowley, J. N., Derstroff, B., Fischer, H., Hafermann, S., Hüser, I., Javed, U., Keßel, S., Lelieveld, J., Martinez, M., Meusel, H., Novelli, A., Phillips, G. J., Pozzer, A., Reiffs, A., Sander, R., Taraborrelli, D., Sauvage, C., Schuladen, J., Su, H., Williams, J., & Harder, H.: *Oxidation processes in the eastern Mediterranean atmosphere: evidence from the modelling of HO_x measurements over Cyprus*, Atmos. Chem. Phys., 18, 10 825–10 847, doi:10.5194/acp-18-10825-2018 (2018) 

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95. Derstroff, B., Hüser, I., Bourtsoukidis, E., Crowley, J. N., Fischer, H., Gromov, S., Harder, H., Janssen, R. H. H., Kesselmeier, J., Lelieveld, J., Mallik, C., Martinez, M., Novelli, A., Parchatka, U., Phillips, G. J., Sander, R., Sauvage, C., Schuladen, J., Stöner, C., Tomsche, L., & Williams, J.: *Volatile organic compounds (VOCs) in photochemically aged air from the eastern and western Mediterranean*, Atmos. Chem. Phys., 17, 9547–9566, doi:10.5194/acp-17-9547-2017 (2017) 
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93. Cabrera-Perez, D., Taraborrelli, D., Sander, R., & Pozzer, A.: *Global atmospheric budget of simple monocyclic aromatic compounds*, Atmos. Chem. Phys., 16, 6931–6947, doi:10.5194/acp-16-6931-2016 (2016) 
92. Sukhodolov, T., Rozanov, E., Ball, W., Bais, A., Tourpali, K., Shapiro, A., Telford, P., Smyshlyaev, S., Fomin, B., Sander, R., Bossay, S., Chipperfield, M., Dhomse, S., Haigh, J., Peter, T., & Schmutz, W.: *Evaluation of simulated photolysis rates and their response to solar irradiance variability*, J. Geophys. Res. Atmos., 121, doi:10.1002/2015JD024277 (2016)
91. Jöckel, P., Tost, H., Pozzer, A., Kunze, M., Kirner, O., Brenninkmeijer, C. A. M., Brinkop, S., Cai, D. S., Dyroff, C., Eckstein, J., Frank, F., Garny, H., Gottschaldt, K.-D., Graf, P., Grewe, V., Kerkweg, A., Kern, B., Matthes, S., Mertens, M., Meul, S., Neumaier, M., Nützel, M., Oberländer-Hayn, S., Ruhnke, R., Runde, T., Sander, R., Scharffe, D., & Zahn, A.: *Earth System Chemistry integrated Modelling (ESCiMo) with the Modular Earth Submodel System (MESSy, version 2.51)*, Geosci. Model Dev., 9, 1153–1200, doi:10.5194/gmd-9-1153-2016 (2016) 

90. Baumgaertner, A. J. G., Jöckel, P., Kerkweg, A., Sander, R., & Tost, H.: *Implementation of the Community Earth System Model (CESM1, version 1.2.1) as a new base model into version 2.50 of the MESSy framework*, Geosci. Model Dev., 9, 125–135, doi:10.5194/gmd-9-125-2016 (2016) 

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85. Long, M. S., Keene, W. C., Easter, R. C., Sander, R., Liu, X., Kerkweg, A., & Erickson, D.: *Sensitivity of tropospheric chemical composition to halogen-radical chemistry using a fully coupled size-resolved multiphase chemistry-global climate system: halogen distributions, aerosol composition, and sensitivity of climate-relevant gases.*, Atmos. Chem. Phys., 14, 3397–3425, doi:10.5194/ACP-14-3397-2014 (2014) 
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78. Long, M. S., Keene, W. C., Easter, R., Sander, R., Kerkweg, A., Erickson, D., Liu, X., & Ghan, S.: *Implementation of the chemistry module MECCA (v2.5) in the modal aerosol version of the Community Atmosphere Model component (v3.6.33) of the Community Earth System Model*, *Geosci. Model Dev.*, 6, 255–262, doi:10.5194/GMD-6-255-2013 (2013) 

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74. Trebs, I., Mayol-Bracero, O. L., Pauliquevis, T., Kuhn, U., Sander, R., Ganzeveld, L., Meixner, F. X., Kesselmeier, J., Artaxo, P., & Andreae, M. O.: *Impact of the Manaus urban plume on trace gas mixing ratios near the surface in the Amazon Basin: Implications for the NO-NO₂-O₃ photostationary state and peroxy radical levels*, *J. Geophys. Res.*, 117, D05307, doi:10.1029/2011JD016386 (2012)


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