

Klaus-Dirk Gottschaldt

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

862
citations

933447

10
h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

1877
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term ozone changes and associated climate impacts in CMIP5 simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5029-5060.	3.3	243
2	Earth System Chemistry integrated Modelling (ESCiMo) with the Modular Earth Submodel System (MESSy) version 2.5.1. Geoscientific Model Development, 2016, 9, 1153-1200.	3.6	208
3	ESMValTool (v1.0) – a community diagnostic and performance metrics tool for routine evaluation of Earth system models in CMIP. Geoscientific Model Development, 2016, 9, 1747-1802.	3.6	127
4	In-situ observations of young contrails – overview and selected results from the CONCERT campaign. Atmospheric Chemistry and Physics, 2010, 10, 9039-9056.	4.9	93
5	A quasi chemistry-transport model mode for EMAC. Geoscientific Model Development, 2011, 4, 195-206.	3.6	47
6	Dynamics of slab tear faults: Insights from numerical modelling. Tectonophysics, 2010, 483, 58-70.	2.2	38
7	Quantitative evaluation of ozone and selected climate parameters in a set of EMAC simulations. Geoscientific Model Development, 2015, 8, 733-768.	3.6	24
8	Dynamics and composition of the Asian summer monsoon anticyclone. Atmospheric Chemistry and Physics, 2018, 18, 5655-5675.	4.9	20
9	Global sensitivity of aviation NO _x effects to the HNO ₃ -forming channel of the HO ₂ + NO reaction. Atmospheric Chemistry and Physics, 2013, 13, 3003-3025.	4.9	18
10	Trace gas composition in the Asian summer monsoon anticyclone: a case study based on aircraft observations and model simulations. Atmospheric Chemistry and Physics, 2017, 17, 6091-6111.	4.9	12
11	Quantifying the climate impact of emissions from land-based transport in Germany. Transportation Research, Part D: Transport and Environment, 2018, 65, 825-845.	6.8	12
12	Impact of rocket exhaust plumes on atmospheric composition and climate – an overview. , 2013, , .		10
13	Stirring in 3-d spherical models of convection in the Earth's mantle. Philosophical Magazine, 2006, 86, 3175-3204.	1.6	6
14	Methane Modeling: From Process Modeling to Global Climate Models. Research Topics in Aerospace, 2012, , 781-797.	0.7	1
15	Mantle Dynamics – A Case Study. Lecture Notes in Earth Sciences, 2009, , 139-181.	0.5	0