

J Feichter

List of Publications by Year in descending order

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49
papers

11,562
citations

126907

33
h-index

214800

47
g-index

73
all docs

73
docs citations

73
times ranked

9015
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol effect on climate extremes in Europe under different future scenarios. <i>Geophysical Research Letters</i> , 2013, 40, 2290-2295.	4.0	34
2	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1853-1877.	4.9	779
3	The regional aerosol-climate model REMO-HAM. <i>Geoscientific Model Development</i> , 2012, 5, 1323-1339.	3.6	19
4	Brightening of the global cloud field by nitric acid and the associated radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7625-7633.	4.9	10
5	The global aerosol-climate model ECHAM-HAM, version 2: sensitivity to improvements in process representations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8911-8949.	4.9	319
6	The present-day decadal solar cycle modulation of Earth's radiative forcing via charged $\text{H}_2\text{SO}_4/\text{H}_2\text{O}$ aerosol nucleation. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	26
7	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13061-13143.	4.9	278
8	Rate of non-linearity in DMS aerosol-cloud-climate interactions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11175-11183.	4.9	12
9	Radon activity in the lower troposphere and its impact on ionization rate: a global estimate using different radon emissions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7817-7838.	4.9	73
10	Estimating the direct and indirect effects of secondary organic aerosols using ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8635-8659.	4.9	81
11	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980–2005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9563-9594.	4.9	63
12	Aerosol nucleation and its role for clouds and Earth's radiative forcing in the aerosol-climate model ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10733-10752.	4.9	190
13	Influences of in-cloud aerosol scavenging parameterizations on aerosol concentrations and wet deposition in ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1511-1543.	4.9	109
14	Tropospheric aerosol size distributions simulated by three online global aerosol models using the M7 microphysics module. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6409-6434.	4.9	23
15	Quantification of DMS aerosol-cloud-climate interactions using the ECHAM5-HAMMOZ model in a current climate scenario. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7425-7438.	4.9	65
16	How present aerosol pollution from North America impacts North Atlantic climate. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010, 62, 579-589.	1.7	9
17	Terrestrial biogeochemical feedbacks in the climate system. <i>Nature Geoscience</i> , 2010, 3, 525-532.	12.9	486
18	Aerosol microphysics modules in the framework of the ECHAM5 climate model – intercomparison under stratospheric conditions. <i>Geoscientific Model Development</i> , 2009, 2, 97-112.	3.6	59

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19	Influence of future air-pollution mitigation strategies on climate by 2030. IOP Conference Series: Earth and Environmental Science, 2009, 6, 022003.	0.3	0
20	<sup>36</sup>Cl bomb peak: comparison of modeled and measured data. Atmospheric Chemistry and Physics, 2009, 9, 4145-4156.	4.9	25
21	Aerosol size-dependent below-cloud scavenging by rain and snow in the ECHAM5-HAM. Atmospheric Chemistry and Physics, 2009, 9, 4653-4675.	4.9	129
22	Aerosol indirect effects â€“ general circulation model intercomparison and evaluation with satellite data. Atmospheric Chemistry and Physics, 2009, 9, 8697-8717.	4.9	418
23	Sensitivity of aerosol concentrations and cloud properties to nucleation and secondary organic distribution in ECHAM5-HAM global circulation model. Atmospheric Chemistry and Physics, 2009, 9, 1747-1766.	4.9	153
24	Evaluation of black carbon estimations in global aerosol models. Atmospheric Chemistry and Physics, 2009, 9, 9001-9026.	4.9	585
25	¹⁰Be measured in a GRIP snow pit and modeled using the ECHAM5â€“HAM general circulation model. Geophysical Research Letters, 2008, 35, .	4.0	28
26	Trace gas and aerosol interactions in the fully coupled model of aerosolâ€“chemistryâ€“climate ECHAM5â€“HAMMOZ: 1. Model description and insights from the spring 2001 TRACEâ€“P experiment. Journal of Geophysical Research, 2008, 113, .	3.3	72
27	Trace gas and aerosol interactions in the fully coupled model of aerosolâ€“chemistryâ€“climate ECHAM5â€“HAMMOZ: 2. Impact of heterogeneous chemistry on the global aerosol distributions. Journal of Geophysical Research, 2008, 113, .	3.3	38
28	An improvement on the dust emission scheme in the global aerosol-climate model ECHAM5-HAM. Atmospheric Chemistry and Physics, 2008, 8, 1105-1117.	4.9	63
29	Modeling cosmogenic radionuclides <sup>10</sup>Be and <sup>7</sup>Be during the Maunder Minimum using the ECHAM5-HAM General Circulation Model. Atmospheric Chemistry and Physics, 2008, 8, 2797-2809.	4.9	96
30	Influence of future air pollution mitigation strategies on total aerosol radiative forcing. Atmospheric Chemistry and Physics, 2008, 8, 6405-6437.	4.9	38
31	The effect of harmonized emissions on aerosol properties in global models â€“ an AeroCom experiment. Atmospheric Chemistry and Physics, 2007, 7, 4489-4501.	4.9	228
32	Response of dimethylsulfide (DMS) in the ocean and atmosphere to global warming. Journal of Geophysical Research, 2007, 112, .	3.3	78
33	DMS cycle in the marine ocean-atmosphere system â€“ a global model study. Biogeosciences, 2006, 3, 29-51.	3.3	162
34	An AeroCom initial assessment â€“ optical properties in aerosol component modules of global models. Atmospheric Chemistry and Physics, 2006, 6, 1815-1834.	4.9	697
35	Impact of the regional climate and substance properties on the fate and atmospheric long-range transport of persistent organic pollutants - examples of DDT and Î³-HCH. Atmospheric Chemistry and Physics, 2006, 6, 1231-1248.	4.9	37
36	Aerosol activation and cloud processing in the global aerosol-climate model ECHAM5-HAM. Atmospheric Chemistry and Physics, 2006, 6, 2389-2399.	4.9	36

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37	The evolution of the global aerosol system in a transient climate simulation from 1860 to 2100. Atmospheric Chemistry and Physics, 2006, 6, 3059-3076.	4.9	72
38	Impact of carbonaceous aerosol emissions on regional climate change. Climate Dynamics, 2006, 27, 553-571.	3.8	94
39	The aerosol-climate model ECHAM5-HAM. Atmospheric Chemistry and Physics, 2005, 5, 1125-1156.	4.9	990
40	Global indirect aerosol effects: a review. Atmospheric Chemistry and Physics, 2005, 5, 715-737.	4.9	2,261
41	Simulating the global atmospheric black carbon cycle: a revisit to the contribution of aircraft emissions. Atmospheric Chemistry and Physics, 2004, 4, 2521-2541.	4.9	76
42	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. Journal of Geophysical Research, 2003, 108, .	3.3	258
43	Stratosphere-troposphere exchange in a changing climate simulated with the general circulation model MAECHAM4. Journal of Geophysical Research, 2003, 108, .	3.3	35
44	Global Air Pollution Crossroads over the Mediterranean. Science, 2002, 298, 794-799.	12.6	920
45	Impact of vertical resolution on the transport of passive tracers in the ECHAM4 model. Tellus, Series B: Chemical and Physical Meteorology, 2002, 54, 344-360.	1.6	26
46	A comparison of scavenging and deposition processes in global models: results from the WCRP Cambridge Workshop of 1995. Tellus, Series B: Chemical and Physical Meteorology, 2000, 52, 1025-1056.	1.6	113
47	Atmospheric Chemistry and Aerosol Dynamics. , 2000, , 353-374.		0
48	Transient Climate Change Simulations with a Coupled Atmosphere-Ocean GCM Including the Tropospheric Sulfur Cycle. Journal of Climate, 1999, 12, 3004-3032.	3.2	467
49	Construction of a 1° × 1° fossil fuel emission data set for carbonaceous aerosol and implementation and radiative impact in the ECHAM4 model. Journal of Geophysical Research, 1999, 104, 22137-22162.	3.3	618