

# Hans Schlager

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

878  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratospheric aerosol-Observations, processes, and impact on climate. <i>Reviews of Geophysics</i> , 2016, 54, 278-335.	23.0	265
2	Biofuel blending reduces particle emissions from aircraft engines at cruise conditions. <i>Nature</i> , 2017, 543, 411-415.	27.8	219
3	The impact of monsoon outflow from India and Southeast Asia in the upper troposphere over the eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1589-1608.	4.9	86
4	The South Asian monsoonâ€”pollution pump and purifier. <i>Science</i> , 2018, 361, 270-273.	12.6	85
5	Evolution of CO <sub>2</sub> , SO <sub>2</sub> , HCl, and HNO <sub>3</sub> in the volcanic plumes from Etna. <i>Geophysical Research Letters</i> , 2014, 41, 2196-2203.	4.0	53
6	Local Arctic air pollution: Sources and impacts. <i>Ambio</i> , 2017, 46, 453-463.	5.5	52
7	HNO <sub>3</sub> partitioning in cirrus clouds. <i>Geophysical Research Letters</i> , 1999, 26, 2207-2210.	4.0	32
8	Future Fuelsâ€”Analyses of the Future Prospects of Renewable Synthetic Fuels. <i>Energies</i> , 2020, 13, 138.	3.1	25
9	High resolution simulation of recent Arctic and Antarctic stratospheric chemical ozone loss compared to observations. <i>Journal of Atmospheric Chemistry</i> , 2006, 55, 205-226.	3.2	19
10	The temporal evolution of the ratio HNO <sub>3</sub> /NO <sub>y</sub> in the Arctic lower stratosphere from January to March 1997. <i>Geophysical Research Letters</i> , 1999, 26, 1125-1128.	4.0	18
11	Submicrometer aerosol particle distributions in the upper troposphere over the mid-latitude North Atlanticâ€”results from the third route of â€”CARIBICâ€”™. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 106.	1.6	12
12	Analyzing atmospheric trace gases and aerosols using passenger aircraft. <i>Eos</i> , 2005, 86, 77.	0.1	11
13	Reply to comment from Liotta and Rizzo on â€”Evolution of CO <sub>2</sub> , SO <sub>2</sub> , HCl and HNO <sub>3</sub> in the volcanic plumes from Etnaâ€”by Voigt et al. [ <i>Geophys. Res. Lett.</i> ; 41, doi:10.1002/2013GL058974]. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	1