

# Jens Olaf Pepke Pedersen

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

988  
citations

759233

12  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. <i>Journal of Climate</i> , 2013, 26, 5782-5809.	3.2	208
2	Long-term ocean oxygen depletion in response to carbon dioxide emissions from fossil fuels. <i>Nature Geoscience</i> , 2009, 2, 105-109.	12.9	206
3	Historical and idealized climate model experiments: an intercomparison of Earth system models of intermediate complexity. <i>Climate of the Past</i> , 2013, 9, 1111-1140.	3.4	157
4	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1635-1647.	4.9	96
5	Aerosol nucleation induced by a high energy particle beam. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	56
6	Response of cloud condensation nuclei ( $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 557 Td (xmlns:mml="http://www.w3.org/1998/10/20/xmldoc") and Solid State Physics, 2013, 377, 2343-2347.	2.1	55
7	Abstract studies of O <sub>2</sub> <sup>+</sup> and O <sub>3</sub> <sup>+</sup> and anionic molecular clusters. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7133-7142.	4.9	43
8	Presentation, calibration and validation of the low-order, DCESS Earth System Model (Version 1). <i>Geoscientific Model Development</i> , 2008, 1, 17-51.	3.6	41
9	Evidence for the Role of Ions in Aerosol Nucleation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10305-10309.	2.5	24
10	Structures and reaction rates of the gaseous oxidation of SO <sub>2</sub> by an O <sub>3</sub> <sup>+</sup> cluster – a density functional theory investigation. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3639-3652.	4.9	14
11	Deep time evidence for climate sensitivity increase with warming. <i>Geophysical Research Letters</i> , 2016, 43, 6538-6545.	4.0	23
12	An isotopic analysis of ionising radiation as a source of sulphuric acid. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5319-5327.	4.9	14
13	Glossary on atmospheric electricity and its effects on biology. <i>International Journal of Biometeorology</i> , 2021, 65, 5-29.	3.0	9
14	On the existence of the hypervalent H <sub>3</sub> O, H <sub>2</sub> DO, HD <sub>2</sub> O, and D <sub>3</sub> O radicals. <i>International Journal of Mass Spectrometry</i> , 2009, 281, 52-54.	1.5	8
15	Experimental studies of the formation of cluster ions formed by corona discharge in an atmosphere containing SO <sub>2</sub> , NH <sub>3</sub> , and H <sub>2</sub> O. <i>International Journal of Mass Spectrometry</i> , 2013, 341-342, 1-6.	1.5	7
16	Physical oceanographic conditions and a sensitivity study on meltwater runoff in a West Greenland fjord: Kangerlussuaq. <i>Oceanologia</i> , 2020, 62, 460-477.	2.2	7
17	Aerosol nucleation in an ultra-low ion density environment. <i>Journal of Aerosol Science</i> , 2012, 50, 75-85.	3.8	5
18	Nanoparticle formation in H <sub>2</sub> O/N <sub>2</sub> and H <sub>2</sub> O/Ar mixtures under irradiation by 20 MeV protons and positive corona discharge. <i>Journal of Aerosol Science</i> , 2010, 41, 468-474.	3.8	3

#	ARTICLE	IF	CITATIONS
19	Temperature trends with reduced impact of ocean air temperature. Energy and Environment, 2018, 29, 613-632.	4.6	2
20	Relative-Velocity Distributions for Two Effusive Atomic Beams in Counterpropagating and Crossed-Beam Geometries. Advances in Mathematical Physics, 2012, 2012, 1-18.	0.8	0
21	Oxidation of SO <sub>2</sub> and formation of water droplets under irradiation of 20 MeV protons in N <sub>2</sub> /H <sub>2</sub> O/SO <sub>2</sub> . Nuclear Instruments & Methods in Physics Research B, 2015, 365, 616-621.	1.4	0
22	Implementation of methane cycling for deep-time global warming simulations with the DCESS Earth system model (version 1.2). Geoscientific Model Development, 2017, 10, 4081-4103.	3.6	0
23	Solaktivitet - og klimaændringer. GeologiskNyt, 2008, 18, .	0.0	0