Thomas KÃ¼hn

List of Publications by Year
in descending order

34	746	567144	552653
papers	citations	15	26
		h-index	g-index

60	60	60	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein Diffusion in Mammalian Cell Cytoplasm. PLoS ONE, 2011, 6, e22962.	1.1	145
2	SALSA2.0: The sectional aerosol module of the aerosol–chemistry–climate model ECHAM6.3.0-HAM2.3-MOZ1.0. Geoscientific Model Development, 2018, 11, 3833-3863.	1.3	52
3	The chemistry–climate model ECHAM6.3-HAM2.3-MOZ1.0. Geoscientific Model Development, 2018, 11, 1695-1723.	1.3	51
4	Effect of aerosol concentration and absorbing aerosol on the radiation fog life cycle. Atmospheric Environment, 2016, 133, 26-33.	1.9	47
5	Heat transport in ultrathin dielectric membranes and bridges. Physical Review B, 2004, 70, .	1.1	39
6	UCLALES–SALSA v1.0: a large-eddy model with interactive sectional microphysics for aerosol, clouds and precipitation. Geoscientific Model Development, 2017, 10, 169-188.	1.3	39
7	Geographical and diurnal features of amine–enhanced boundary layer nucleation. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9606-9624.	1.2	37
8	Long-term measurements of cloud droplet concentrations and aerosol–cloud interactions in continental boundary layer clouds. Tellus, Series B: Chemical and Physical Meteorology, 2013, 65, 20138.	0.8	30
9	Climate impacts of changing aerosol emissions since 1996. Geophysical Research Letters, 2014, 41, 4711-4718.	1.5	30
10	Isoprene-derived secondary organic aerosol in the global aerosol–chemistry–climate model ECHAM6.3.0–HAM2.3–MOZ1.0. Geoscientific Model Development, 2018, 11, 3235-3260.	1.3	30
11	Chromatin organization regulates viral egress dynamics. Scientific Reports, 2017, 7, 3692.	1.6	24
12	Interaction of two-level systems in amorphous materials with arbitrary phonon fields. Physical Review B, 2007, 75, .	1.1	22
13	Ballistic phonon transport in dielectric membranes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 724-726.	0.7	20
14	Cooper-pair resonances and subgap Coulomb blockade in a superconducting single-electron transistor. Physical Review B, 2007, 76, .	1.1	20
15	Effects of black carbon mitigation on Arctic climate. Atmospheric Chemistry and Physics, 2020, 20, 5527-5546.	1.9	15
16	Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. Atmospheric Chemistry and Physics, 2022, 22, 5775-5828.	1.9	15
17	Diffusion through thin membranes: Modeling across scales. Physical Review E, 2016, 93, 043309.	0.8	13
18	Interaction of Lamb modes with two-level systems in amorphous nanoscopic membranes. Physical Review B, 2007, 76, .	1.1	12

#	ARTICLE	IF	CITATIONS
19	Quantization of the elastic modes in an isotropic plate. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 10429-10439.	0.7	11
20	Maximizing phonon thermal conductance for ballistic membranes. Journal of Physics: Conference Series, 2007, 92, 012082.	0.3	10
21	Effects of Charging Energy on SINIS Tunnel Junction Thermometry. Journal of Low Temperature Physics, 2009, 154, 179-189.	0.6	10
22	Effects of land use and anthropogenic aerosol emissions in the Roman Empire. Climate of the Past, 2019, 15, 1885-1911.	1.3	9
23	Summertime Aerosol Radiative Effects and Their Dependence on Temperature over the Southeastern USA. Atmosphere, 2018, 9, 180.	1.0	8
24	In-cloud scavenging scheme for sectional aerosol modules â€" implementation in the framework of the Sectional Aerosol module for Large Scale Applications version 2.0 (SALSA2.0) global aerosol module. Geoscientific Model Development, 2020, 13, 6215-6235.	1.3	8
25	Using a coupled large-eddy simulationâ€"aerosol radiation model to investigate urban haze: sensitivity to aerosol loading and meteorological conditions. Atmospheric Chemistry and Physics, 2020, 20, 11893-11906.	1.9	7
26	Effect of Thin Ballistic Membranes on Transition-Edge Sensor Performance. Journal of Low Temperature Physics, 2008, 151, 64-69.	0.6	6
27	Modelling artificial sea salt emission in large eddy simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140051.	1.6	6
28	The tensor of interaction of a two-level system with an arbitrary strain field. Journal of Physics: Conference Series, 2007, 92, 012133.	0.3	4
29	Aerosolâ€"landscapeâ€"cloud interaction: signatures of topography effect on cloud droplet formation. Atmospheric Chemistry and Physics, 2017, 17, 7955-7964.	1.9	4
30	Comparing the Radiative Forcings of the Anthropogenic Aerosol Emissions From Chile and Mexico. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033364.	1.2	3
31	Insect Herbivory Caused Plant Stress Emissions Increases the Negative Radiative Forcing of Aerosols. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
32	Phonon transport in suspended silicon nitride membranes at low temperatures. Journal of Physics: Conference Series, 2009, 150, 012019.	0.3	1
33	Method for finding the critical temperature of the island in a SET structure. Journal of Physics: Conference Series, 2009, 150, 022088.	0.3	1
34	Electronic and Thermal Sequential Transport in Metallic and Superconducting Two-Junction Arrays. Engineering Materials, 2010, , 99-131.	0.3	0