Thomas Mangan

List of Publications by Year
in descending order

15	234	933447 10	996975 15
papers	citations	h-index	g-index

18	18	18	396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Phase of Water Ice Which Forms in Cold Clouds in the Mesospheres of Mars, Venus, and Earth. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006796.	3.6	7
2	Kinetic Study of the Reactions of AlO with H₂O and H₂; Precursors to Stellar Dust Formation. ACS Earth and Space Chemistry, 2021, 5, 3385-3395.	2.7	9
3	Kinetic Study of the Reactions of AlO and OAlO Relevant to Planetary Mesospheres. ACS Earth and Space Chemistry, 2020, 4, 2007-2017.	2.7	5
4	Kinetic Study of the Reactions PO + O₂ and PO₂ + O₃ and Spectroscopy of the PO Radical. Journal of Physical Chemistry A, 2020, 124, 7911-7926.	2.5	10
5	The Meteoric Ni Layer in the Upper Atmosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028083.	2.4	8
6	A study of the reactions of Ni⁺and NiO⁺ions relevant to planetary upper atmospheres. Physical Chemistry Chemical Physics, 2020, 22, 8940-8951.	2.8	6
7	Experimental Study of the Removal of Ground- and Excited-State Phosphorus Atoms by Atmospherically Relevant Species. Journal of Physical Chemistry A, 2019, 123, 9469-9478.	2.5	19
8	Chemical modelling of dustâ€“gas chemistry within AGB outflows â€“ I. Effect on the gas-phase chemistry. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2023-2041.	4.4	15
9	Kinetic Study of Ni and NiO Reactions Pertinent to the Earthâ€™s Upper Atmosphere. Journal of Physical Chemistry A, 2019, 123, 601-610.	2.5	14
10	Nucleation of nitric acid hydrates in polar stratospheric clouds by meteoric material. Atmospheric Chemistry and Physics, 2018, 18, 4519-4531.	4.9	18
11	Meteoric Metal Chemistry in the Martian Atmosphere. Journal of Geophysical Research E: Planets, 2018, 123, 695-707.	3.6	28
12	CO2 ice structure and density under Martian atmospheric conditions. Icarus, 2017, 294, 201-208.	2.5	45
13	Heterogeneous Ice Nucleation by Soufriere Hills Volcanic Ash Immersed in Water Droplets. PLoS ONE, 2017, 12, e0169720.	2.5	14
14	Uptake of acetylene on cosmic dust and production of benzene in Titan's atmosphere. Icarus, 2016, 278, 88-99.	2.5	14
15	Laboratory measurements of heterogeneous CO₂ ice nucleation on nanoparticles under conditions relevant to the Martian mesosphere. Journal of Geophysical Research E: Planets, 2016, 121, 753-769.	3.6	22