

Eugene A Ustinov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

817
citations

933447

10
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Jupiter's Cloud Structure from Galileo Imaging Data. <i>Icarus</i> , 1998, 135, 230-250.	2.5	158
2	Evidence for water ice on the Moon: Results for anomalous polar craters from the LRO Mini-RF imaging radar. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2016-2029.	3.6	152
3	Initial results for the north pole of the Moon from Mini-RSAR, Chandrayaan-1 mission. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	149
4	Thermal Structure and Para Hydrogen Fraction on the Outer Planets from Voyager IRIS Measurements. <i>Icarus</i> , 1998, 135, 501-517.	2.5	141
5	An upper limit for ice in Shackleton crater as revealed by LRO Mini-RF orbital radar. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	65
6	Modeling radar scattering from icy lunar regoliths at 13 cm and 4 cm wavelengths. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
7	Adjoint sensitivity analysis of radiative transfer equation: temperature and gas mixing ratio weighting functions for remote sensing of scattering atmospheres in thermal IR. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2001, 68, 195-211.	2.3	35
8	Atmospheric weighting functions and surface partial derivatives for remote sensing of scattering planetary atmospheres in thermal spectral region: general adjoint approach. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 92, 351-371.	2.3	21
9	Retrieval of Atmospheric Temperatures in the Martian Planetary Boundary Layer Using Upward-Looking Infrared Spectra. <i>Icarus</i> , 1996, 124, 586-597.	2.5	12
10	Adjoint sensitivity analysis of radiative transfer equation: 2. Applications to retrievals of temperature in scattering atmospheres in thermal IR. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 73, 29-40.	2.3	11
11	Airborne imaging spectroscopy to monitor urban mosquito microhabitats. <i>Remote Sensing of Environment</i> , 2013, 137, 226-233.	11.0	10
12	Adjoint Sensitivity Analysis of Atmospheric Dynamics: Application to the Case of Multiple Observables. <i>Journals of the Atmospheric Sciences</i> , 2001, 58, 3340-3348.	1.7	8
13	A variational approach for computing weighting functions for remote sensing of the atmosphere in the thermal microwave spectral region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2000, 64, 457-465.	2.3	5
14	Analytic evaluation of the weighting functions for remote sensing of blackbody planetary atmospheres: a general linearization approach. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 74, 683-696.	2.3	4
15	Passive remote sensing of planetary atmospheres and retrievals of atmospheric macro- and microphysical parameters. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 103, 217-230.	2.3	3
16	Determination of the mesospheric ozone using satellite limb-scan measurements of the infra-red atmospheric band emission of. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1994, 56, 1083-1090.	0.9	2
17	Weighting functions with separated maxima and kernels of inverse problems for ground-based passive remote sensing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2000, 66, 55-67.	2.3	2
18	Linearization of radiative heating and cooling rates for the case of non-scattering planetary atmospheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 1098-1117.	2.3	0

#	ARTICLE	IF	CITATIONS
19	Sensitivity Analysis of Analytic Models: Linearization and Adjoint Approaches. SpringerBriefs in Earth Sciences, 2015, , 27-48.	0.5	0
20	Sensitivity Analysis of Numerical Models. SpringerBriefs in Earth Sciences, 2015, , 49-76.	0.5	0