

Knut Stamnes

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

598
citations

687363

13
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral degree of linear polarization and neutral points of polarization in snow and ice surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 273, 107845.	2.3	4
2	Effects of Snow Grain Shape and Mixing State of Snow Impurity on Retrieval of Snow Physical Parameters From Ground-Based Optical Instrument. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031858.	3.3	16
3	New Treatment of Strongly Anisotropic Scattering Phase Functions: The Delta- μ Method. Journals of the Atmospheric Sciences, 2018, 75, 327-336.	1.7	10
4	Simulation of glint reflectance and determination of surface roughness of turbid coastal and inland aquatic waters. AIP Conference Proceedings, 2017, , .	0.4	0
5	A neural network method to correct bidirectional effects in water-leaving radiance. AIP Conference Proceedings, 2017, , .	0.4	2
6	Retrieval of snow physical parameters by neural networks and optimal estimation: case study for ground-based spectral radiometer system. Optics Express, 2015, 23, A1442.	3.4	14
7	Cloud mask over snow-ice-covered areas for the GCOM-C/SGLI cryosphere mission: Validations over Greenland. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,287.	3.3	10
8	In situ measurements of polarization properties of snow surface under the Brewster geometry in Hokkaido, Japan, and northwest Greenland ice sheet. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,946.	3.3	23
9	Discrete ordinate and Monte Carlo simulations of radiative transfer in coupled atmosphere-ocean systems. , 2013, , .		0
10	A new approach to retrieve cloud base height of marine boundary layer clouds. Geophysical Research Letters, 2013, 40, 4448-4453.	4.0	12
11	Modeling of radiation transport in coupled atmosphere-snow-ice-ocean systems. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 714-726.	2.3	34
12	Simultaneous retrieval of aerosol and ocean properties by optimal estimation: SeaWiFS case studies for the Santa Barbara Channel. International Journal of Remote Sensing, 2008, 29, 5689-5698.	2.9	30
13	Could stratospheric ozone depletion lead to enhanced aquatic primary production in the polar regions?. Limnology and Oceanography, 2008, 53, 332-338.	3.1	11
14	Observed and simulated microphysical composition of arctic clouds: Data properties and model validation. Journal of Geophysical Research, 2007, 112, .	3.3	22
15	ADEOS-II/GLI snow/ice products " Part II: Validation results using GLI and MODIS data. Remote Sensing of Environment, 2007, 111, 274-290.	11.0	69
16	ADEOS-II/GLI snow/ice products " Part I: Scientific basis. Remote Sensing of Environment, 2007, 111, 258-273.	11.0	73
17	ADEOS-II/GLI snow/ice products " Part III: Retrieved results. Remote Sensing of Environment, 2007, 111, 291-336.	11.0	42
18	Modeled and measured optical transmittance of snow-covered first-year sea ice in Kongsfjorden, Svalbard. Journal of Geophysical Research, 2004, 109, .	3.3	54

#	ARTICLE	IF	CITATIONS
19	Effects of vertical inhomogeneity on snow spectral albedo and its implication for optical remote sensing of snow. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	41
20	Accurate and self-consistent ocean color algorithm: simultaneous retrieval of aerosol optical properties and chlorophyll concentrations. <i>Applied Optics</i> , 2003, 42, 939.	2.1	56
21	Snow grain size retrieved from near-infrared radiances at multiple wavelengths. <i>Geophysical Research Letters</i> , 2001, 28, 1699-1702.	4.0	75