Knut Stamnes

List of Publications by Year
in descending order

21	598	13	19
papers	citations	h-index	g-index

687363

794594

24	24	24	652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Snow grain size retrieved from near-infrared radiances at multiple wavelengths. Geophysical Research Letters, 2001, 28, 1699-1702.	4.0	75
2	ADEOS-II/GLI snow/ice products â€" Part I: Scientific basis. Remote Sensing of Environment, 2007, 111, 258-273.	11.0	73
3	ADEOS-II/GLI snow/ice products â€" Part II: Validation results using GLI and MODIS data. Remote Sensing of Environment, 2007, 111, 274-290.	11.0	69
4	Accurate and self-consistent ocean color algorithm: simultaneous retrieval of aerosol optical properties and chlorophyll concentrations. Applied Optics, 2003, 42, 939.	2.1	56
5	Modeled and measured optical transmittance of snow-covered first-year sea ice in Kongsfjorden, Svalbard. Journal of Geophysical Research, 2004, 109, .	3.3	54
6	ADEOS-II/GLI snow/ice products â€" Part III: Retrieved results. Remote Sensing of Environment, 2007, 111, 291-336.	11.0	42
7	Effects of vertical inhomogeneity on snow spectral albedo and its implication for optical remote sensing of snow. Journal of Geophysical Research, 2003, 108, .	3.3	41
8	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
9	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
10	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
11	Observed and simulated microphysical composition of arctic clouds: Data properties and model validation. Journal of Geophysical Research, 2007, 112, .	3.3	22
12	Effects of Snow Grain Shape and Mixing State of Snow Impurity on Retrieval of Snow Physical Parameters From Groundâ€Based Optical Instrument. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031858.	3.3	16
13	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
14	A new approach to retrieve cloud base height of marine boundary layer clouds. Geophysical Research Letters, 2013, 40, 4448-4453.	4.0	12
15	Could stratospheric ozone depletion lead to enhanced aquatic primary production in the polar regions?. Limnology and Oceanography, 2008, 53, 332-338.	3.1	11
16	Cloud mask over snowâ€/iceâ€covered areas for the GCOMâ€C1/SGLI cryosphere mission: Validations over Greenland. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,287.	3.3	10
17	New Treatment of Strongly Anisotropic Scattering Phase Functions: The Delta-M+ Method. Journals of the Atmospheric Sciences, 2018, 75, 327-336.	1.7	10
18	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

#	Article	IF	Citations
19	A neural network method to correct bidirectional effects in water-leaving radiance. AIP Conference Proceedings, 2017, , .	0.4	2
20	Discrete ordinate and Monte Carlo simulations of radiative transfer in coupled atmosphere-ocean systems. , 2013, , .		0
21	Simulation of glint reflectance and determination of surface roughness of turbid coastal and inland aquatic waters. AIP Conference Proceedings, 2017, , .	0.4	0