

# The MODIS Cloud Optical and Microphysical Products: From Terra and Aqua

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Large-Scale Analysis of Cirrus Clouds from AVHRR Data: Assessment of Both a Microphysical Index and the Cloud-Top Temperature. <i>Journal of Applied Meteorology and Climatology</i> , 1997, 36, 664-675.	1.7	44
2	Expansion of tabulated scattering matrices in generalized spherical functions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 183, 78-84.	1.1	5
3	Ground-based High Spectral Resolution Lidar observation of aerosol vertical distribution in the summertime Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2970-3004.	1.2	35
4	Intercomparisons of marine boundary layer cloud properties from the ARM CAP-MBL campaign and two MODIS cloud products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2351-2365.	1.2	16
5	Optimization and throughput estimation of optical ground networks for LEO-downlinks, GEO-feeder links and GEO-relays. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
6	Digital optical feeder links system for broadband geostationary satellite. <i>Proceedings of SPIE</i> , 2017, , .	0.8	5
7	An Improved Small-Angle Approximation for Forward Scattering and Its Use in a Fast Two-Component Radiative Transfer Method. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 1959-1987.	0.6	10
8	A comparison of Aqua MODIS ice and liquid water cloud physical and optical properties between collection 6 and collection 5.1: Pixel-to-pixel comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4528-4549.	1.2	23
9	A comparison of Aqua MODIS ice and liquid water cloud physical and optical properties between collection 6 and collection 5.1: Cloud radiative effects. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4550-4564.	1.2	33
10	An efficient algorithm for calculating photosynthetically active radiation with MODIS products. <i>Remote Sensing of Environment</i> , 2017, 194, 146-154.	4.6	29
11	Effects of ice crystal surface roughness and air bubble inclusions on cirrus cloud radiative properties from remote sensing perspective. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 195, 119-131.	1.1	21
12	Validation of quasi-invariant ice cloud radiative quantities with MODIS satellite-based cloud property retrievals. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 194, 47-57.	1.1	7
13	Improved ice particle optical property simulations in the ultraviolet to far-infrared regime. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 189, 228-237.	1.1	33
14	Characterizing the information content of cloud thermodynamic phase retrievals from the notional PACE OCI shortwave reflectance measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8079-8100.	1.2	9
15	Polarized radiative transfer through terrestrial atmosphere accounting for rotational Raman scattering. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 200, 70-89.	1.1	6
16	New insights about cloud vertical structure from CloudSat and CALIPSO observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9280-9300.	1.2	47
17	Volcano and Ship Tracks Indicate Excessive Aerosol-Induced Cloud Water Increases in a Climate Model. <i>Geophysical Research Letters</i> , 2017, 44, 12492-12500.	1.5	55
18	Mixed-Phase Clouds: Progress and Challenges. <i>Meteorological Monographs</i> , 2017, 58, 5.1-5.50.	5.0	165

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20	Scale dependence of cirrus horizontal heterogeneity effects on TOA measurements – Part I: MODIS brightness temperatures in the thermal infrared. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8489-8508.	1.9	5
21	Vertical distribution of the particle phase in tropical deep convective clouds as derived from cloud-side reflected solar radiation measurements. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9049-9066.	1.9	14
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24	Global and regional estimates of warm cloud droplet number concentration based on 13 years of AQUA-MODIS observations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9815-9836.	1.9	82
25	Impact of Multiple Scattering on Longwave Radiative Transfer Involving Clouds. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 3082-3098.	1.3	24
26	Correlations of oriented ice and precipitation in marine midlatitude low clouds using collocated CloudSat, CALIOP, and MODIS observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8056-8070.	1.2	2
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38	A novel algorithm of cloud detection for water quality studies using 250Åm downscaled MODIS imagery. <i>International Journal of Remote Sensing</i> , 2018, 39, 6429-6439.	1.3	6
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