

Kuo-Nan Liou

List of Publications by Year in descending order

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71102

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142
all docs

142
docs citations

142
times ranked

4556
citing authors

#	ARTICLE	IF	CITATIONS
1	Humidity effects on the radiative properties of a hazy atmosphere in the visible spectrum. <i>Tellus</i> , 2022, 28, 31.	0.8	4
2	Satellite-Derived Aerosol Optical Depth Fusion Combining Active and Passive Remote Sensing Based on Bayesian Maximum Entropy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	3
3	Cloud and aerosol effects on the solar heating rate of the atmosphere. <i>Tellus</i> , 2022, 30, 62.	0.8	12
4	Investigation of Springtime Cloud Influence on Regional Climate and Its Implication in Runoff Decline in Upper Colorado River Basin. <i>Earth and Space Science</i> , 2022, 9, .	2.6	1
5	Impacts of Saharan Mineral Dust on Air-Sea Interaction over North Atlantic Ocean Using a Fully Coupled Regional Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033586.	3.3	1
6	Surface Brightening in Eastern and Central China Since the Implementation of the Clean Air Action in 2013: Causes and Implications. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091105.	4.0	16
7	Health co-benefits of achieving sustainable net-zero greenhouse gas emissions in California. <i>Nature Sustainability</i> , 2020, 3, 597-605.	23.7	61
8	Environmental impact of national and subnational carbon policies in China based on a multi-regional dynamic CGE model. <i>Journal of Environmental Management</i> , 2020, 270, 110901.	7.8	37
9	Wintertime Particulate Matter Decrease Buffered by Unfavorable Chemical Processes Despite Emissions Reductions in China. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087721.	4.0	40
10	Retrieval of Vertical Profile of Cirrus Cloud Effective Particle Size Using Reflected Line Spectra in 1.38-1.4m Band. <i>Earth and Space Science</i> , 2020, 7, e2020EA001119.	2.6	0
11	ON THE CONVERGENCE OF NUMERICAL COMPUTATIONS FOR BOTH EXACT AND APPROXIMATE SOLUTIONS FOR ELECTROMAGNETIC SCATTERING BY NONSPHERICAL DIELECTRIC PARTICLES (INVITED REVIEW). <i>Progress in Electromagnetics Research</i> , 2019, 164, 27-61.	4.4	34
12	Ice nucleation by aerosols from anthropogenic pollution. <i>Nature Geoscience</i> , 2019, 12, 602-607.	12.9	62
13	Mortality burdens in California due to air pollution attributable to local and nonlocal emissions. <i>Environment International</i> , 2019, 133, 105232.	10.0	12
14	Large-scale meteorological control on the spatial pattern of wintertime PM 2.5 pollution over China. <i>Atmospheric Science Letters</i> , 2019, 20, e938.	1.9	5
15	Modeling study of the impact of complex terrain on the surface energy and hydrology over the Tibetan Plateau. <i>Climate Dynamics</i> , 2019, 53, 6919-6932.	3.8	5
16	Air Quality and Health Cobenefits of Different Deep Decarbonization Pathways in California. <i>Environmental Science & Technology</i> , 2019, 53, 7163-7171.	10.0	26
17	Modeling Study of the Air Quality Impact of Record-Breaking Southern California Wildfires in December 2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6554-6570.	3.3	19
18	Impact of 3D Radiation-Topography Interactions on Surface Temperature and Energy Budget Over the Tibetan Plateau in Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1537-1549.	3.3	19

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19	Enhanced Snow Absorption and Albedo Reduction by Dust-Snow Internal Mixing: Modeling and Parameterization. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3755-3776.	3.8	28
20	On the Convergence of Numerical Computations for Both Exact and Approximate Solutions for Electromagnetic Scattering by Nonspherical Dielectric Particles. <i>Progress in Electromagnetics Research</i> , 2019, 164, 27-61.	4.4	6
21	Impact of aerosols on ice crystal size. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1065-1078.	4.9	37
22	Resolving Size Distribution of Black Carbon Internally Mixed With Snow: Impact on Snow Optical Properties and Albedo. <i>Geophysical Research Letters</i> , 2018, 45, 2697-2705.	4.0	28
23	An Assessment of Tropospheric Water Vapor Feedback Using Radiative Kernels. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1499-1509.	3.3	16
24	Impact of Grain Shape and Multiple Black Carbon Internal Mixing on Snow Albedo: Parameterization and Radiative Effect Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1253-1268.	3.3	57
25	A Review of Ice Cloud Optical Property Models for Passive Satellite Remote Sensing. <i>Atmosphere</i> , 2018, 9, 499.	2.3	38
26	Change in household fuels dominates the decrease in PM _{2.5} exposure and premature mortality in China in 2005-2015. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12401-12406.	7.1	262
27	Type-Dependent Responses of Ice Cloud Properties to Aerosols From Satellite Retrievals. <i>Geophysical Research Letters</i> , 2018, 45, 3297-3306.	4.0	33
28	High cloud variations with surface temperature from 2002 to 2015: Contributions to atmospheric radiative cooling rate and precipitation changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5457-5471.	3.3	14
29	Close packing effects on clean and dirty snow albedo and associated climatic implications. <i>Geophysical Research Letters</i> , 2017, 44, 3719-3727.	4.0	28
30	Impact of Snow Grain Shape and Black Carbon-Snow Internal Mixing on Snow Optical Properties: Parameterizations for Climate Models. <i>Journal of Climate</i> , 2017, 30, 10019-10036.	3.2	66
31	Enhanced PM _{2.5} pollution in China due to aerosol-cloud interactions. <i>Scientific Reports</i> , 2017, 7, 4453.	3.3	61
32	Impact of Aviation on Climate: FAA's Aviation Climate Change Research Initiative (ACCRI) Phase II. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 561-583.	3.3	93
33	On the radiative properties of ice clouds: Light scattering, remote sensing, and radiation parameterization. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 32-63.	4.3	141
34	Black carbon radiative forcing over the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2014, 41, 7806-7813.	4.0	100
35	Retrieval of Cirrus Cloud Properties From the Atmospheric Infrared Sounder: The K-Coefficient Approach Using Cloud-Cleared Radiances as Input. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 1010-1024.	6.3	12
36	Influence of Ice Particle Surface Roughening on the Global Cloud Radiative Effect. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2794-2807.	1.7	72

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37	Spectrally Consistent Scattering, Absorption, and Polarization Properties of Atmospheric Ice Crystals at Wavelengths from 0.2 to 100 μ m. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 330-347.	1.7	358
38	Radiative transfer and regional climate change. , 2013, , .		0
39	Dust aerosol impact on North Africa climate: a GCM investigation of aerosol-cloud-radiation interactions using A-Train satellite data. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1667-1679.	4.9	42
40	Simulating 3-D radiative transfer effects over the Sierra Nevada Mountains using WRF. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9965-9976.	4.9	28
41	Parameterization of contrail radiative properties for climate studies. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	11
42	Simulation of the global contrail radiative forcing: A sensitivity analysis. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	20
43	Direct and semi-direct radiative effects of anthropogenic aerosols in the Western United States: Seasonal and geographical variations according to regional climate characteristics. <i>Climatic Change</i> , 2012, 111, 859-877.	3.6	5
44	Polar nephelometers for light scattering by ice crystals and aerosols: design and measurements. , 2012, , 3-37.		3
45	CERES Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part I: Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4374-4400.	6.3	410
46	Influence of convection and aerosol pollution on ice cloud particle effective radius. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 457-463.	4.9	59
47	Contrails and Induced Cirrus. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 473-478.	3.3	38
48	Impact of cloudâ€™radiative processes on hurricane track. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	43
49	Phase matrix for light scattering by concentrically stratified spheres: comparison of geometric optics and the â€œexactâ€™ theory. <i>Applied Optics</i> , 2010, 49, 3990.	2.1	14
50	Satellite remote sensing of dust aerosol indirect effects on ice cloud formation. <i>Applied Optics</i> , 2009, 48, 633.	2.1	9
51	Evolution of the variability of surface temperature and vegetation density in the great plains. <i>Advances in Water Resources</i> , 2007, 30, 1094-1104.	3.8	3
52	Light scattering and absorption by nonspherical ice crystals. , 2006, , 31-71.		16
53	The Impact of Direct Aerosol Radiative Forcing on Surface Insolation and Spring Snowmelt in the Southern Sierra Nevada. <i>Journal of Hydrometeorology</i> , 2006, 7, 976-983.	1.9	9
54	Cirrus cloud horizontal and vertical inhomogeneity effects in a GCM. <i>Meteorology and Atmospheric Physics</i> , 2006, 91, 223-235.	2.0	27

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55	Circular polarization signal for aerosols and clouds. , 2005, , .		2
56	An efficient diffusion approximation for 3D radiative transfer parameterization: application to cloudy atmospheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 92, 189-200.	2.3	11
57	Remote Sensing of Liquid Water and Ice Cloud Optical Thickness and Effective Radius in the Arctic: Application of Airborne Multispectral MAS Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 857-875.	1.3	157
58	Comparison of Cartesian grid configurations for application of the finite-difference time-domain method to electromagnetic scattering by dielectric particles. <i>Applied Optics</i> , 2004, 43, 4611.	2.1	17
59	Diurnal effects in the composition of cirrus clouds. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	11
60	Parameterization of Cloudâ€™s Radiation Processes in the UCLA General Circulation Model. <i>Journal of Climate</i> , 2003, 16, 3357-3370.	3.2	53
61	Laser transmission-backscattering through inhomogeneous cirrus clouds. <i>Applied Optics</i> , 2002, 41, 5744.	2.1	7
62	Light-scattering properties of plate and column ice crystals generated in a laboratory cold chamber. <i>Applied Optics</i> , 2002, 41, 5792.	2.1	32
63	Cases-97: Late-Morning Warming And Moistening Of The Convective Boundary Layer Over The Walnut River Watershed. <i>Boundary-Layer Meteorology</i> , 2002, 104, 1-52.	2.3	57
64	Radiation Parameterization for Three-Dimensional Inhomogeneous Cirrus Clouds: Application to Climate Models. <i>Journal of Climate</i> , 2001, 14, 2443-2457.	3.2	26
65	Interactions of Radiation, Microphysics, and Turbulence in the Evolution of Cirrus Clouds. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2463-2479.	1.7	44
66	Large-scale ice clouds in the GFDL SKYHI general circulation model. <i>Journal of Geophysical Research</i> , 1997, 102, 21745-21768.	3.3	49
67	Origin of Kernâ€™s arc. <i>Applied Optics</i> , 1997, 36, 3560.	2.1	1
68	Ice microphysics and climatic temperature feedback. <i>Atmospheric Research</i> , 1995, 35, 127-138.	4.1	87
69	Inference of Cirrus Cloud Properties Using Satellite-observed Visible and Infrared Radiances. Part I: Parameterization of Radiance Fields. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 1279-1304.	1.7	126
70	Remote sensing of cirrus cloud parameters using AVHRR data. , 1993, 1934, 217.		1
71	Calculations of Surface Radiation in Arid Regionsâ€™ A Case Study. <i>Journal of Applied Meteorology and Climatology</i> , 1992, 31, 1084-1095.	1.7	35
72	Investigation of Biogeophysical Feedback on the African Climate Using a Two-Dimensional Model. <i>Journal of Climate</i> , 1990, 3, 337-352.	3.2	46

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73	Halo phenomena modified by multiple scattering. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1990, 7, 885.	1.5	11
74	Solar Radiative Transfer in Cirrus Clouds. Part II: Theory and Computation of Multiple Scattering in an Anisotropic Medium. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 20-36.	1.7	118
75	The effects of the nonsphericity and size distribution of ice crystals on the radiative properties of cirrus clouds. <i>Atmospheric Research</i> , 1989, 24, 273-284.	4.1	47
76	The role of cloud microphysical processes in climate: An assessment from a one-dimensional perspective. <i>Journal of Geophysical Research</i> , 1989, 94, 8599-8607.	3.3	117
77	Solar Radiative Transfer in Cirrus Clouds. Part I: Single-Scattering and Optical Properties of Hexagonal Ice Crystals. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 3-19.	1.7	467
78	Exploration of the remote sounding of infrared cooling rates due to water vapor. <i>Meteorology and Atmospheric Physics</i> , 1988, 38, 131-139.	2.0	6
79	Heating Rates in Tropical Anvils. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 1606-1623.	1.7	224
80	A Simple Formulation of the Delta-Four-Stream Approximation for Radiative Transfer Parameterizations. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 1940-1948.	1.7	165
81	An investigation of cloud/radiation interactions using three-dimensional nephelometry and earth radiation budget data bases. <i>Journal of Geophysical Research</i> , 1987, 92, 5540-5554.	3.3	6
82	Dynamic and Thermodynamic Influences of the Tibetan Plateau on the Atmosphere in a General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , 1986, 43, 1340-1355.	1.7	13
83	Influence of Cirrus Clouds on Weather and Climate Processes: A Global Perspective. <i>Monthly Weather Review</i> , 1986, 114, 1167-1199.	1.4	875
84	Interactive Cloud Formation and Climatic Temperature Perturbations. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 1969-1981.	1.7	10
85	Cloud Parameters and Temperature Profile Retrieval from Infrared Sounder Data. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 2360-2370.	1.7	3
86	Effects of horizontal orientation on the radiative properties of ice clouds. <i>Advances in Atmospheric Sciences</i> , 1985, 2, 20-27.	4.3	2
87	Calculation on the light scattering function of hexagonal ice crystals. <i>Advances in Atmospheric Sciences</i> , 1985, 2, 446-454.	4.3	0
88	Cumulus convection and climatic temperature perturbations. <i>Journal of Geophysical Research</i> , 1985, 90, 2223-2232.	3.3	5
89	Remote sounding of the cirrus optical depth and temperature from 3.7 and 11 micrometer windows. <i>Advances in Atmospheric Sciences</i> , 1984, 1, 150-164.	4.3	5
90	A Numerical Experiment on the Interactions of Radiation, Clouds and Dynamic Processes in a General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , 1984, 41, 1513-1536.	1.7	14

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91	A Two-Dimensional Radiation-Turbulence Climate Model. I: Sensitivity to Cirrus Radiative Properties. <i>Journals of the Atmospheric Sciences</i> , 1984, 41, 2289-2309.	1.7	18
92	Recent Progress in Atmospheric Radiation1. <i>Bulletin of the American Meteorological Society</i> , 1984, 65, 475-484.	3.3	2
93	Polarized microwave radiation transfer in precipitating cloudy atmospheres: Applications to window frequencies. <i>Journal of Geophysical Research</i> , 1983, 88, 3885-3893.	3.3	21
94	Parameterization of carbon dioxide 15 $\hat{1}$ / ₄ m band absorption and emission. <i>Journal of Geophysical Research</i> , 1983, 88, 5203-5207.	3.3	13
95	Remote Sounding of Cloud Parameters from a Combination of Infrared and Microwave Channels. <i>Journal of Climate and Applied Meteorology</i> , 1983, 22, 201-213.	1.0	12
96	Theory of Equilibrium Temperatures in Radiative-Turbulent Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1983, 40, 214-229.	1.7	26
97	Numerical Experiments on the Thermal Equilibrium Temperature in Cirrus Cloudy Atmospheres. <i>Journal of the Meteorological Society of Japan</i> , 1982, 60, 570-582.	1.8	12
98	Polarized light scattering by hexagonal ice crystals: theory. <i>Applied Optics</i> , 1982, 21, 3569.	2.1	158
99	Generalization of the spherical harmonic method to radiative transfer in multi-dimensional space. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1982, 28, 271-288.	2.3	49
100	Some Examples of the Effects of Clouds and Precipitation on the Temperature Profile Retrieval for DMSP SSM/T Microwave Sounders. <i>Journal of Applied Meteorology</i> , 1981, 20, 821-825.	1.1	4
101	Theory of Time-Dependent Multiple Backscattering from Clouds. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 1452-1466.	1.7	14
102	Parameterization of Infrared Radiative Transfer in Cloudy Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 2707-2716.	1.7	33
103	Light Scattering by Hexagonal Ice Crystals. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 1260-1271.	1.7	42
104	SOME ASPECTS OF THE OPTICAL PROPERTIES OF ICE CLOUDS. , 1981, , 315-354.		3
105	Numerical experiments on the Helmholtz equation derived from the solar radiation transfer equation in three-dimensional space. <i>Applied Mathematics and Computation</i> , 1980, 7, 155-175.	2.2	3
106	Light Scattering by Hexagonal Columns and Plates. , 1980, , 207-218.		6
107	Scattering of Polarized Laser Light by Water Droplet, Mixed-Phase and Ice Crystal Clouds. Part I: Angular Scattering Patterns. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 838-851.	1.7	86
108	Climatic Effects of Cirrus Clouds. <i>Advances in Geophysics</i> , 1979, , 231-287.	2.8	18

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109	Infrared Radiative Transfer in Finite Cloud Layers. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 1985-1996.	1.7	30
110	Atmospheric Liquid Water Content Derived from Parameterization of Nimbus 6 Scanning Microwave Spectrometer Data. <i>Journal of Applied Meteorology</i> , 1979, 18, 99-103.	1.1	15
111	Scattering of Polarized Laser Light by Water Droplet, Mixed-Phase and Ice Crystal Clouds. Part II: Angular Depolarizing and Multiple-Scattering Behavior. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 852-861.	1.7	57
112	Parameterization of the Radiative Properties of Clouds. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 1261-1273.	1.7	70
113	Radiative properties of cirrus clouds in NOAA 4 VTPR channels: Some explorations of cloud scenes from satellites. <i>Pure and Applied Geophysics</i> , 1978, 116, 1007-1029.	1.9	3
114	Cloud and aerosol effects on the solar heating rate of the atmosphere. <i>Tellus</i> , 1978, 30, 62-70.	0.8	12
115	Atmospheric Ice and Water Content Derived from Parameterization of Nimbus 6 High-Resolution Infrared Sounder Data. <i>Journal of Applied Meteorology</i> , 1978, 17, 536-551.	1.1	8
116	Influence of Cirrus Clouds on the Infrared Cooling Rate in the Troposphere and Lower Stratosphere. <i>Journal of Applied Meteorology</i> , 1978, 17, 92-106.	1.1	21
117	Remote Sensing of the Thickness and Composition of Cirrus Clouds from Satellites. <i>Journal of Applied Meteorology</i> , 1977, 16, 91-99.	1.1	15
118	Statistical Inference of Cloud Thickness from NOAA 4 Scanning Radiometer Data. <i>Monthly Weather Review</i> , 1977, 105, 99-107.	1.4	6
119	Comments on "A Bispectral Method for Cloud Parameter Determination". <i>Monthly Weather Review</i> , 1977, 105, 1603-1604.	1.4	0
120	Sensitivity of upwelling radiance in nimbus 6 HIRS channels to multilayered clouds. <i>Journal of Geophysical Research</i> , 1977, 82, 5977-5989.	3.3	4
121	A complementary theory of light scattering by homogeneous spheres. <i>Applied Mathematics and Computation</i> , 1977, 3, 331-358.	2.2	19
122	Preliminary Experiments on the Scattering of Polarized Laser Light by Ice Crystals. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 553-557.	1.7	4
123	Infrared Radiative Transfer in Polluted Atmospheres. <i>Journal of Applied Meteorology</i> , 1976, 15, 28-35.	1.1	26
124	On the Absorption, Reflection and Transmission of Solar Radiation in Cloudy Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 798-805.	1.7	69
125	Humidity effects on the radiative properties of a hazy atmosphere in the visible spectrum. <i>Tellus</i> , 1976, 28, 31-36.	0.8	9
126	Can the Changes in Cloud Thickness be Monitored from Satellite-Brightness Measurements?. <i>Journal of Applied Meteorology</i> , 1975, 14, 644-645.	1.1	1

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127	On the Transfer of Solar Radiation in Aerosol Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1975, 32, 2166-2177.	1.7	66
128	Applications of the discrete-ordinate method for radiative transfer to inhomogeneous aerosol atmospheres. <i>Journal of Geophysical Research</i> , 1975, 80, 3434-3440.	3.3	37
129	Theory of the scattering-phase-matrix determination for ice crystals. <i>Journal of the Optical Society of America</i> , 1975, 65, 159.	1.2	6
130	Laser Sensing of Cloud Composition: A Backscattered Depolarization Technique. <i>Journal of Applied Meteorology</i> , 1974, 13, 257-263.	1.1	57
131	On the Radiative Properties of Cirrus in the Window Region and Their Influence on Remote Sensing of the Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1974, 31, 522-532.	1.7	38
132	Analytic Two-Stream and Four-Stream Solutions for Radiative Transfer. <i>Journals of the Atmospheric Sciences</i> , 1974, 31, 1473-1475.	1.7	121
133	Transfer of solar irradiance through cirrus cloud layers. <i>Journal of Geophysical Research</i> , 1973, 78, 1409-1418.	3.3	38
134	A Numerical Experiment on Chandrasekhar's Discrete-Ordinate Method for Radiative Transfer: Applications to Cloudy and Hazy Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1973, 30, 1303-1326.	1.7	143
135	On Depolarization of Visible Light from Water Clouds for a Monostatic Lidar. <i>Journals of the Atmospheric Sciences</i> , 1972, 29, 1000-1003.	1.7	9
136	Light Scattering by Ice Clouds in the Visible and Infrared: A Theoretical Study. <i>Journals of the Atmospheric Sciences</i> , 1972, 29, 524-536.	1.7	65
137	Electromagnetic Scattering by Arbitrarily Oriented Ice Cylinders. <i>Applied Optics</i> , 1972, 11, 667.	2.1	54
138	Multiple Backscattering and Depolarization from Water Clouds for a Pulsed Lidar System. <i>Journals of the Atmospheric Sciences</i> , 1971, 28, 772-784.	1.7	61
139	Time-Dependent Multiple Backscattering. <i>Journals of the Atmospheric Sciences</i> , 1971, 28, 824-827.	1.7	10
140	Intensity and Polarization for Single Scattering by Polydisperse Spheres: A Comparison of Ray Optics and Mie Theory. <i>Journals of the Atmospheric Sciences</i> , 1971, 28, 995-1004.	1.7	82