Petr Chylek

List of Publications by Year
in descending order

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175 papers	8,169 citations	47006 47 h-index	60623 81 g-index
178 all docs	178 docs citations	178 times ranked	6723 citing authors

#	Article	IF	Citations
1	Contribution of sea salt aerosol to the planetary clear-sky albedo. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 72.	1.6	25
2	Cloud radiative forcing ratio: An analytical model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 50, 259.	1.7	7
3	Annual Mean Arctic Amplification 1970â€“2020: Observed and Simulated by CMIP6 Climate Models. Geophysical Research Letters, 2022, 49, .	4.0	71
4	Optical and Chemical Analysis of Absorption Enhancement by Mixed Carbonaceous Aerosols in the 2019 Woodbury, AZ, Fire Plume. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032399.	3.3	13
5	CMIP5 Climate Models Overestimate Cooling by Volcanic Aerosols. Geophysical Research Letters, 2020, 47, e2020GL087047.	4.0	20
6	Mie Scattering Captures Observed Optical Properties of Ambient Biomass Burning Plumes Assuming Uniform Black, Brown, and Organic Carbon Mixtures. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11406-11427.	3.3	23
7	Optical Properties of Laboratory and Ambient Biomass Burning Aerosols: Elucidating Black, Brown, and Organic Carbon Components and Mixing Regimes. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5088-5105.	3.3	21
8	Light scattering, aerosols, clouds, climate, Hendrik van de Hulst, and I. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 333-337.	2.3	0
9	The carbon cycle response to two El Nino types: an observational study. Environmental Research Letters, 2018, 13, 024001.	5.2	22
10	Southwestern U.S. Biomass Burning Smoke Hygroscopicity: The Role of Plant Phenology, Chemical Composition, and Combustion Properties. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5416-5432.	3.3	19
11	Daily mean temperature estimate at the US SURFRAD stations as an average of the maximum and minimum temperatures. Theoretical and Applied Climatology, 2018, 134, 337-345.	2.8	1
12	Observed and Projected Precipitation Changes over the Nine US Climate Regions. Atmosphere, 2017, 8, 207.	2.3	6
13	Indirect Aerosol Effect Increases CMIP5 Modelsâ€™ Projected Arctic Warming. Journal of Climate, 2016, 29, 1417-1428.	3.2	20
14	The role of Atlantic Multi-decadal Oscillation in the global mean temperature variability. Climate Dynamics, 2016, 47, 3271-3279.	3.8	34
15	AEROSOLS | Soot. , 2015, , 86-91.		5
16	The Dissipation Structure of Extratropical Cyclones. Journals of the Atmospheric Sciences, 2014, 71, 69-88.	1.7	6
17	Imprint of the Atlantic multi-decadal oscillation and Pacific decadal oscillation on southwestern US climate: past, present, and future. Climate Dynamics, 2014, 43, 119-129.	3.8	59
18	Isolating the anthropogenic component of Arctic warming. Geophysical Research Letters, 2014, 41, 3569-3576.	4.0	20

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19	The Atlantic Multidecadal Oscillation as a dominant factor of oceanic influence on climate. Geophysical Research Letters, 2014, 41, 1689-1697.	4.0	86
20	Climate-driven fluctuations in freshwater flux to Sermilik Fjord, East Greenland, during the last 4000 years. Holocene, 2012, 22, 155-164.	1.7	19
21	Atmospheric Entropy. Part I: Climate Dissipation Structure. Journal of Climate, 2012, 25, 3173-3190.	3.2	7
22	Greenland ice core evidence for spatial and temporal variability of the Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2012, 39, .	4.0	59
23	Detecting ice-sheet melt area over western Greenland using MODIS and AMSR-E data for the summer periods of 2002â€“2006. Remote Sensing Letters, 2011, 2, 117-126.	1.4	7
24	Ice-core data evidence for a prominent near 20 year time-scale of the Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	86
25	Parameterization of cloud optical properties for semidirect radiative forcing. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
26	Meltwater flux and runoff modeling in the ablation area of Jakobshavn IsbrÃ¦, West Greenland. Journal of Glaciology, 2010, 56, 20-32.	2.2	29
27	Twentieth century bipolar seesaw of the Arctic and Antarctic surface air temperatures. Geophysical Research Letters, 2010, 37, .	4.0	63
28	Arctic air temperature change amplification and the Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2009, 36, .	4.0	227
29	Aerosol radiative forcing and climate sensitivity deduced from the Last Glacial Maximum to Holocene transition. Geophysical Research Letters, 2008, 35, .	4.0	25
30	Reply to comment by Andrey Ganopolski and Thomas Schneider von Deimling on â€œAerosol radiative forcing and climate sensitivity deduced from the Last Glacial Maximum to Holocene transitionâ€• Geophysical Research Letters, 2008, 35, .	4.0	3
31	Multidecadal variability of Atlantic hurricane activity: 1851â€“2007. Journal of Geophysical Research, 2008, 113, .	3.3	28
32	Limits on climate sensitivity derived from recent satellite and surface observations. Journal of Geophysical Research, 2007, 112, .	3.3	42
33	Uncertainty over weakening circulation. Physics Today, 2007, 60, 14-14.	0.3	0
34	Remote sensing of Greenland ice sheet using multispectral nearâ€infrared and visible radiances. Journal of Geophysical Research, 2007, 112, .	3.3	16
35	Introduction to special section on Global Warming and the Next Ice Age. Journal of Geophysical Research, 2007, 112, .	3.3	1
36	Trends in aerosol optical depth for cities in India. Atmospheric Environment, 2007, 41, 7524-7532.	4.1	29

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37	Aerosol indirect effect over the Indian Ocean. Geophysical Research Letters, 2006, 33, .	4.0	67
38	Satellite remote sensing of aerosols generated by the Island of Nauru. Journal of Geophysical Research, 2006, 111, .	3.3	6
39	Satellite and surface observations of Nauru Island clouds: Differences between El Nino and La Nina periods. Geophysical Research Letters, 2006, 33, .	4.0	6
40	Greenland warming of 1920â€“1930 and 1995â€“2005. Geophysical Research Letters, 2006, 33, .	4.0	71
41	Comparison of near-infrared and thermal infrared cloud phase detections. Journal of Geophysical Research, 2006, 111, .	3.3	44
42	Scattering Properties and Composition of Cometary Dust. Astrophysics and Space Science, 2006, 301, 21-31.	1.4	11
43	RECENT TEMPERATURE CHANGES IN GREENLAND: COASTAL STATIONS AND THE GREENLAND ICE SHEET. , 2006, , .		0
44	Aerosol optical depth retrieval over the NASA Stennis Space Center: MTI, MODIS, and AERONET. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1978-1983.	6.3	18
45	The effect of spatial resolution on satellite aerosol optical depth retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1984-1990.	6.3	27
46	Ratio of the Greenland to global temperature change: Comparison of observations and climate modeling results. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	16
47	Sensitivity of near infrared total water vapour estimate to calibration errors. International Journal of Remote Sensing, 2004, 25, 4457-4470.	2.9	2
48	LANL MTI science team experience. , 2004, , .		0
49	Global Warming and the Greenland Ice Sheet. Climatic Change, 2004, 63, 201-221.	3.6	52
50	Effect of Broken Clouds on Satellite-Based Columnar Water Vapor Retrieval. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 175-178.	3.1	3
51	Mixed phase cloud water/ice structure from high spatial resolution satellite data. Geophysical Research Letters, 2004, 31, .	4.0	36
52	Canadian Aerosol Module: A size-segregated simulation of atmospheric aerosol processes for climate and air quality models 1. Module development. Journal of Geophysical Research, 2003, 108, AAC 3-1.	3.3	267
53	Satellite based retrieval of aerosol optical thickness: The effect of sun and satellite geometry. Geophysical Research Letters, 2003, 30, .	4.0	15
54	Aerosol radiative forcing and the accuracy of satellite aerosol optical depth retrieval. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	42

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55	Sea-salt optical properties and GCM forcing at solar wavelengths. Atmospheric Research, 2003, 65, 211-233.	4.1	23
56	Satellite-based columnar water vapor retrieval with the multi-spectral thermal imager (MTI). IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2767-2770.	6.3	15
57	Comparison of a single-view and a double-view aerosol optical depth retrieval algorithm. , 2003, , .		5
58	Mie scattering by a spherical particle in an absorbing medium. Applied Optics, 2002, 41, 3545.	2.1	11
59	A study of internal and external mixing scenarios and its effect on aerosol optical properties and direct radiative forcing. Journal of Geophysical Research, 2002, 107, AAC 5-1-AAC 5-12.	3.3	284
60	Mie-scattering formalism for spherical particles embedded in an absorbing medium. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1275.	1.5	107
61	Enhancement of dust source area during past glacial periods due to changes of the Hadley circulation. Journal of Geophysical Research, 2001, 106, 18477-18485.	3.3	54
62	Interstellar extinction by composite grains. Astronomy and Astrophysics, 2001, 375, 584-590.	5.1	23
63	Parameterization of the Optical Properties of Sulfate Aerosols. Journals of the Atmospheric Sciences, 2001, 58, 193-209.	1.7	47
64	Absorption of solar radiation by charged water droplets. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 697-708.	2.3	7
65	Mie scattering efficiency of a large spherical particle embedded in an absorbing medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 709-714.	2.3	56
66	Parameterization of the optical properties of sulfate aerosols. AIP Conference Proceedings, 2000, , .	0.4	0
67	Effective Medium approximations for Heterogeneous Particles. , 2000, , 273-308.		63
68	Contribution of water vapour dimers to clear sky absorption of solar radiation. Tellus, Series A: Dynamic Meteorology and Oceanography, 1999, 51, 304-313.	1.7	18
69	Black carbon concentrations in precipitation and near surface air in and near Halifax, Nova Scotia. Atmospheric Environment, 1999, 33, 2269-2277.	4.1	31
70	Two- and four-stream optical properties for water clouds and solar wavelengths. Journal of Geophysical Research, 1999, 104, 2067-2079.	3.3	63
71	Scattering by a composite sphere and effective medium approximations. Optics Communications, 1998, 146, 15-20.	2.1	36
72	Scattering by a composite sphere with an absorbing inclusion and effective medium approximations. Optics Communications, 1998, 158, 1-6.	2.1	61

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73	Cloud radiative forcing ratio. An analytical model. Tellus, Series A: Dynamic Meteorology and Oceanography, 1998, 50, 259-264.	1.7	9
74	Anomalous diffraction approximation limits. Atmospheric Research, 1998, 49, 77-80.	4.1	5
75	Asymmetry parameter and aggregate particles. Applied Optics, 1998, 37, 1104.	2.1	30
76	Broadband water vapor absorption of solar radiation tested using ARM data. Geophysical Research Letters, 1998, 25, 1169-1172.	4.0	24
77	Intercomparison of models representing direct shortwave radiative forcing by sulfate aerosols. Journal of Geophysical Research, 1998, 103, 16979-16998.	3.3	124
78	Anharmonicity and cross section for absorption of radiation by water dimer. Journal of Chemical Physics, 1998, 108, 5319-5329.	3.0	38
79	Erroneous Use of the Modified Kohler Equation in Cloud and Aerosol Physics Applications. Journals of the Atmospheric Sciences, 1998, 55, 1473-1477.	1.7	22
80	Effect of Air Bubbles on Absorption of Solar Radiation by Water Droplets. Journals of the Atmospheric Sciences, 1998, 55, 340-343.	1.7	3
81	Water vapor dimers and atmospheric absorption of electromagnetic radiation. Geophysical Research Letters, 1997, 24, 2015-2018.	4.0	53
82	Imaginary part of the refractive index of sulfates and nitrates in the 07â€“26-Âµm spectral region. Applied Optics, 1997, 36, 3622.	2.1	35
83	Contribution of sea salt aerosol to the planetary clear-sky albedo. Tellus, Series B: Chemical and Physical Meteorology, 1997, 49, 72-79.	1.6	34
84	Black carbon: Atmospheric concentrations and cloud water content measurements over southern Nova Scotia. Journal of Geophysical Research, 1996, 101, 29105-29110.	3.3	33
85	Historical biomass burning: Late 19th century pioneer agriculture revolution in northern hemisphere ice core data and its atmospheric interpretation. Journal of Geophysical Research, 1996, 101, 23317-23334.	3.3	25
86	Black carbon and absorption of solar radiation by clouds. Journal of Geophysical Research, 1996, 101, 23365-23371.	3.3	115
87	Comment on "A rigorous explanation for the resonances observed in the scattering from spherical ice particles" [with reply]. IEEE Transactions on Antennas and Propagation, 1996, 44, 1052-1055.	5.1	1
88	A FORTRAN code for the scattering of EM waves by a sphere with a nonconcentric spherical inclusion. Computer Physics Communications, 1996, 99, 94-112.	7.5	40
89	Light scattering by small particles in an intermediate region. Optics Communications, 1995, 117, 389-394.	2.1	17
90	Second order perturbation solution for radiative transfer in clouds with a horizontally arbitrary periodic inhomogeneity. Journal of Quantitative Spectroscopy and Radiative Transfer, 1995, 53, 445-456.	2.3	7

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91	Radiative properties of water clouds: simple approximations. Atmospheric Research, 1995, 35, 139-156.	4.1	7
92	Resonances and poles of weakly absorbing spheres. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 916.	1.5	20
93	Light scattering from a sphere with an irregular inclusion. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 922.	1.5	71
94	Refractive index of ice in the 14â€“78-Î¼m spectral range. Applied Optics, 1995, 34, 6582.	2.1	39
95	Biomass burning record and black carbon in the GISP2 Ice Core. Geophysical Research Letters, 1995, 22, 89-92.	4.0	52
96	Effect of absorbing aerosols on global radiation budget. Geophysical Research Letters, 1995, 22, 929-931.	4.0	295
97	Effect of black carbon on the optical properties and climate forcing of sulfate aerosols. Journal of Geophysical Research, 1995, 100, 16325.	3.3	167
98	Radiative Properties of Finite Inhomogeneous Cirrus Clouds: Monte Carlo Simulations. Journals of the Atmospheric Sciences, 1995, 52, 3512-3522.	1.7	6
99	Solar Radiative Transfer in Clouds with Vertical Internal Inhomogeneity. Journals of the Atmospheric Sciences, 1994, 51, 2542-2552.	1.7	31
100	Entropy in Climate Models. Part II: Horizontal Structure of Atmospheric Entropy Production. Journals of the Atmospheric Sciences, 1994, 51, 1702-1708.	1.7	20
101	Effective-medium predictions of absorption by graphitic carbon in water droplets. Optics Letters, 1994, 19, 1675.	3.3	31
102	Entropy in Climate Models. Part I: Vertical Structure of Atmospheric Entropy Production. Journals of the Atmospheric Sciences, 1994, 51, 1691-1701.	1.7	23
103	Longwave Radiative Properties of Polydispersed Hexagonal Ice Crystals. Journals of the Atmospheric Sciences, 1994, 51, 175-190.	1.7	19
104	Shortwave Radiative Properties of Clouds: Numerical Study. Journals of the Atmospheric Sciences, 1994, 51, 1223-1233.	1.7	7
105	Perturbation Solution for 3D Radiative Transfer in a Horizontally Periodic Inhomogeneous Cloud Field. Journals of the Atmospheric Sciences, 1994, 51, 2110-2122.	1.7	12
106	Light scattering resonance enhancement and suppression in cylinders and spheres using two coherent plane waves. Optics Communications, 1993, 98, 313-322.	2.1	5
107	Absorption and scattering of microwaves by falling snow. Journal of Infrared, Millimeter and Terahertz Waves, 1993, 14, 2295-2310.	0.6	6
108	Resonances of a dielectric sphere illuminated by two counterpropagating plane waves. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 687.	1.5	8

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109	Refractive indices of water and ice in the 065- to 25-Î¼m spectral range. Applied Optics, 1993, 32, 3531.	2.1	675
110	Infrared radiative characteristics of water clouds. , 1993, 1934, 361.		0
111	Infrared Emittance of Water Clouds. Journals of the Atmospheric Sciences, 1992, 49, 1459-1472.	1.7	40
112	Black carbon concentration in a Greenland Dyeâ€3 Ice Core. Geophysical Research Letters, 1992, 19, 1951-1953.	4.0	36
113	Resonance structure of composite and slightly absorbing spheres. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 775.	1.5	31
114	Internal scattering effects on microdroplet resonant emission structure. Optics Letters, 1992, 17, 970.	3.3	55
115	Enhanced Absorption of Solar Radiation By Cloud Droplets Containing Soot Particles In Their Surface. Quarterly Journal of the Royal Meteorological Society, 1992, 118, 167-172.	2.7	51
116	Absorption effects on microdroplet resonant emission structure. Optics Letters, 1991, 16, 1723.	3.3	79
117	Extinction cross sections of nonspherical particles in the anomalous diffraction approximation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 274.	1.5	37
118	Absorption and scattering of electromagnetic radiation by prismatic columns: anomalous diffraction approximation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1713.	1.5	29
119	Pressure dependence of the laser-induced breakdown thresholds of gases and droplets. Applied Optics, 1990, 29, 2303.	2.1	40
120	Absorption and scattering of light by small particles: the interference structure. Applied Optics, 1990, 29, 3984.	2.1	24
121	Resonance structure of Mie scattering: distance between resonances. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1990, 7, 1609.	1.5	90
122	Graphitic Carbon in Snow. Aerosol Science and Technology, 1989, 10, 151-160.	3.1	6
123	Interference structure of the Mie extinction cross section. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1989, 6, 1846.	1.5	49
124	Aerosol-induced laser breakdown thresholds: wavelength dependence. Applied Optics, 1988, 27, 987.	2.1	72
125	Scattering of electromagnetic waves by composite spherical particles: experiment and effective medium approximations. Applied Optics, 1988, 27, 2396.	2.1	151
126	Time delay of stimulated Raman scattering of micronâ€size droplets. Applied Physics Letters, 1988, 52, 1642-1644.	3.3	18

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127	Aerosol and graphitic carbon content of snow. Journal of Geophysical Research, 1987, 92, 9801-9809.	3.3	68
128	Effect of spherical particles on laser-induced breakdown of gases. Applied Optics, 1987, 26, 760.	2.1	37
129	Effect of size and material of liquid spherical particles on laserâ€induced breakdown. Applied Physics Letters, 1986, 49, 1475-1477.	3.3	59
130	Internal and near-surface scattered field of a spherical particle at resonant conditions. Applied Optics, 1985, 24, 3940.	2.1	100
131	Effective dielectric constant of a metal-dielectric composite. Physical Review B, 1984, 30, 1008-1009.	3.2	39
132	Graphitic carbon content of aerosols, clouds and snow, and its climatic implications. Science of the Total Environment, 1984, 36, 117-120.	8.0	27
133	Effect of Graphitic Carbon on the Albedo of Clouds. Journals of the Atmospheric Sciences, 1984, 41, 3076-3084.	1.7	150
134	Distribution of Water in Hailstones. Journal of Climate and Applied Meteorology, 1984, 23, 1469-1472.	1.0	8
135	Backscatter and extinction in water clouds. Journal of Geophysical Research, 1983, 88, 6787-6796.	3.3	91
136	Albedo of sootâ€contaminated snow. Journal of Geophysical Research, 1983, 88, 10837-10843.	3.3	108
137	Simultaneous determination of refractive index and size of spherical dielectric particles from light scattering data. Applied Optics, 1983, 22, 2302.	2.1	149
138	Far-infrared absorption of small-palladium-particle composites. Physical Review B, 1983, 27, 5107-5109.	3.2	19
139	Dielectric constant of a composite inhomogeneous medium. Physical Review B, 1983, 27, 5098-5106.	3.2	133
140	Simple Approximation for Infrared Emissivity of Water Clouds. Journals of the Atmospheric Sciences, 1982, 39, 171-177.	1.7	47
141	Lower and upper bounds on extinction cross sections of arbitrarily shaped strongly absorbing or strongly reflecting nonspherical particles. Applied Optics, 1982, 21, 4339.	2.1	14
142	Note on the Scattering of Radiation by Moderately Nonspherical Particles. Journals of the Atmospheric Sciences, 1982, 39, 1886-1888.	1.7	1
143	Optical properties and mass concentration of carbonaceous smokes. Applied Optics, 1981, 20, 2980.	2.1	67
144	Sensitivities of Radiative-Convective Climate Models. Journals of the Atmospheric Sciences, 1981, 38, 1105-1110.	1.7	15

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145	Relationships between extinction, absorption, backscattering, and mass content of sulfuric acid aerosols. Journal of Geophysical Research, 1980, 85, 4059-4066.	3.3	56
146	Surface Waves in Light Scattering by Spherical and Non-Spherical Particles. , 1980, , 153-164.		5
147	Verification of a Linear Relation between IR Extinction, Absorption and Liquid Water Content of Fogs. Journals of the Atmospheric Sciences, 1979, 36, 1577-1586.	1.7	55
148	Infrared extinction and the mass concentration of atmospheric aerosols. Atmospheric Environment, 1979, 13, 169-173.	1.0	10
149	Light scattering by a pair of conjugate nonspherical particles. Journal of the Optical Society of America, 1979, 69, 1550.	1.2	4
150	Nonunitarity of the light scattering approximations. Applied Optics, 1979, 18, 1123.	2.1	14
151	The fine structure of the mie scattering. Journal of Colloid and Interface Science, 1978, 64, 595-597.	9.4	4
152	Scattering by nonspherical particles and optical properties of Martian dust. Icarus, 1978, 36, 198-203.	2.5	31
153	Narrow resonance structure in the Mie scattering characteristics. Applied Optics, 1978, 17, 3019.	2.1	87
154	Optical levitation and partial-wave resonances. Physical Review A, 1978, 18, 2229-2233.	2.5	194
155	Depolarization of electromagnetic radiation scattered by nonspherical particles*. Journal of the Optical Society of America, 1977, 67, 175.	1.2	10
156	Mie scattering between any two angles. Journal of the Optical Society of America, 1977, 67, 572.	1.2	15
157	Extinction cross sections of arbitrarily shaped randomly oriented nonspherical particles. Journal of the Optical Society of America, 1977, 67, 1348.	1.2	18
158	A Note on Extinction and Scattering Efficiencies. Journal of Applied Meteorology, 1977, 16, 321-322.	1.1	30
159	Partial-wave resonances and the ripple structure in the Mie normalized extinction cross section. Journal of the Optical Society of America, 1976, 66, 285.	1.2	191
160	Light Scattering by Irregular Randomly Oriented Particles. Science, 1976, 193, 480-482.	12.6	101
161	The Two-Stream Approximation in Radiative Transfer: Including the Angle of the Incident Radiation. Journals of the Atmospheric Sciences, 1975, 32, 409-418.	1.7	211
162	Analytical Analysis of a Budyko-Type Climate Model. Journals of the Atmospheric Sciences, 1975, 32, 675-679.	1.7	31

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163	Asymptotic limits of the Mie-scattering characteristics. Journal of the Optical Society of America, 1975, 65, 1316.	1.2	23
164	Hemispherical Backscattering by Aerosols. Journal of Applied Meteorology, 1975, 14, 380-387.	1.1	17
165	Large-sphere limits of the Mie-scattering functions. Journal of the Optical Society of America, 1973, 63, 699.	1.2	25
166	Mie scattering into the backward hemisphere. Journal of the Optical Society of America, 1973, 63, 1467.	1.2	33
167	Resonance and background contributions to meson-nucleon total cross-sections. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1972, 5, 435-442.	0.4	0
168	Duality diagrams with exotict-channel exchanges in meson-baryon scattering. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1971, 2, 229-232.	0.4	0
169	Polarization and complex conjugate Pomeranchuk trajectories. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1971, 1, 828-830.	0.4	0
170	Complex Regge Poles and Hypercharge - Exchange Reactions. Physical Review D, 1971, 4, 3509-3510.	4.7	1
171	Regge Cuts and Sum Rules for Meson-Nucleon Charge-Exchange Scattering. Physical Review D, 1971, 3, 2109-2111.	4.7	1
172	Complex conjugate pomeranchuk trajectories and pomeranchuk theorem for differential cross-sections. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1970, 4, 381-384.	0.4	1
173	Three-Body Vertices in a Quark Model. Physical Review D, 1970, 1, 1505-1506.	4.7	0
174	Quarks and Double-PeakedA2Meson. Progress of Theoretical Physics, 1970, 43, 233-235.	2.0	0
175	Roper ResonanceN(1470) in the Three-Quark Model. Progress of Theoretical Physics, 1968, 40, 1453-1454.	2.0	1