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	Refractive indices of water and ice in the 065- to 25-Î¼m spectral range. Applied Optics, 1993, 32, 3531.	2.1	675
2	Effect of absorbing aerosols on global radiation budget. Geophysical Research Letters, 1995, 22, 929-931.	4.0	295
3	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
4	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
5	Arctic air temperature change amplification and the Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2009, 36, .	4.0	227
6	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
7	Optical levitation and partial-wave resonances. Physical Review A, 1978, 18, 2229-2233.	2.5	194
8	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
9	Effect of black carbon on the optical properties and climate forcing of sulfate aerosols. Journal of Geophysical Research, 1995, 100, 16325.	3.3	167
10	Scattering of electromagnetic waves by composite spherical particles: experiment and effective medium approximations. Applied Optics, 1988, 27, 2396.	2.1	151
11	Effect of Graphitic Carbon on the Albedo of Clouds. Journals of the Atmospheric Sciences, 1984, 41, 3076-3084.	1.7	150
12	Simultaneous determination of refractive index and size of spherical dielectric particles from light scattering data. Applied Optics, 1983, 22, 2302.	2.1	149
13	Dielectric constant of a composite inhomogeneous medium. Physical Review B, 1983, 27, 5098-5106.	3.2	133
14	Intercomparison of models representing direct shortwave radiative forcing by sulfate aerosols. Journal of Geophysical Research, 1998, 103, 16979-16998.	3.3	124
15	Black carbon and absorption of solar radiation by clouds. Journal of Geophysical Research, 1996, 101, 23365-23371.	3.3	115
16	Albedo of sootâ€contaminated snow. Journal of Geophysical Research, 1983, 88, 10837-10843.	3.3	108
17	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
18	Light Scattering by Irregular Randomly Oriented Particles. Science, 1976, 193, 480-482.	12.6	101

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19	Internal and near-surface scattered field of a spherical particle at resonant conditions. Applied Optics, 1985, 24, 3940.	2.1	100
20	Backscatter and extinction in water clouds. Journal of Geophysical Research, 1983, 88, 6787-6796.	3.3	91
21	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
22	Narrow resonance structure in the Mie scattering characteristics. Applied Optics, 1978, 17, 3019.	2.1	87
23	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
24	The Atlantic Multidecadal Oscillation as a dominant factor of oceanic influence on climate. Geophysical Research Letters, 2014, 41, 1689-1697.	4.0	86
25	Absorption effects on microdroplet resonant emission structure. Optics Letters, 1991, 16, 1723.	3.3	79
26	Aerosol-induced laser breakdown thresholds: wavelength dependence. Applied Optics, 1988, 27, 987.	2.1	72
27	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
28	Greenland warming of 1920â€“1930 and 1995â€“2005. Geophysical Research Letters, 2006, 33, .	4.0	71
29	Annual Mean Arctic Amplification 1970â€“2020: Observed and Simulated by CMIP6 Climate Models. Geophysical Research Letters, 2022, 49, .	4.0	71
30	Aerosol and graphitic carbon content of snow. Journal of Geophysical Research, 1987, 92, 9801-9809.	3.3	68
31	Optical properties and mass concentration of carbonaceous smokes. Applied Optics, 1981, 20, 2980.	2.1	67
32	Aerosol indirect effect over the Indian Ocean. Geophysical Research Letters, 2006, 33, .	4.0	67
33	Two- and four-stream optical properties for water clouds and solar wavelengths. Journal of Geophysical Research, 1999, 104, 2067-2079.	3.3	63
34	Twentieth century bipolar seesaw of the Arctic and Antarctic surface air temperatures. Geophysical Research Letters, 2010, 37, .	4.0	63
35	Effective Medium approximations for Heterogeneous Particles. , 2000, , 273-308.		63
36	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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37	Effect of size and material of liquid spherical particles on laserâ€induced breakdown. Applied Physics Letters, 1986, 49, 1475-1477.	3.3	59
38	Greenland ice core evidence for spatial and temporal variability of the Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2012, 39, .	4.0	59
39	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
40	Relationships between extinction, absorption, backscattering, and mass content of sulfuric acid aerosols. Journal of Geophysical Research, 1980, 85, 4059-4066.	3.3	56
41	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
42	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
43	Internal scattering effects on microdroplet resonant emission structure. Optics Letters, 1992, 17, 970.	3.3	55
44	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
45	Water vapor dimers and atmospheric absorption of electromagnetic radiation. Geophysical Research Letters, 1997, 24, 2015-2018.	4.0	53
46	Biomass burning record and black carbon in the GISP2 Ice Core. Geophysical Research Letters, 1995, 22, 89-92.	4.0	52
47	Global Warming and the Greenland Ice Sheet. Climatic Change, 2004, 63, 201-221.	3.6	52
48	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
49	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
50	Simple Approximation for Infrared Emissivity of Water Clouds. Journals of the Atmospheric Sciences, 1982, 39, 171-177.	1.7	47
51	Parameterization of the Optical Properties of Sulfate Aerosols. Journals of the Atmospheric Sciences, 2001, 58, 193-209.	1.7	47
52	Comparison of near-infrared and thermal infrared cloud phase detections. Journal of Geophysical Research, 2006, 111, .	3.3	44
53	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
54	Limits on climate sensitivity derived from recent satellite and surface observations. Journal of Geophysical Research, 2007, 112, .	3.3	42

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55	Pressure dependence of the laser-induced breakdown thresholds of gases and droplets. Applied Optics, 1990, 29, 2303.	2.1	40
56	Infrared Emittance of Water Clouds. Journals of the Atmospheric Sciences, 1992, 49, 1459-1472.	1.7	40
57	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
58	Effective dielectric constant of a metal-dielectric composite. Physical Review B, 1984, 30, 1008-1009.	3.2	39
59	Refractive index of ice in the 14â€“78-Î¼m spectral range. Applied Optics, 1995, 34, 6582.	2.1	39
60	Anharmonicity and cross section for absorption of radiation by water dimer. Journal of Chemical Physics, 1998, 108, 5319-5329.	3.0	38
61	Effect of spherical particles on laser-induced breakdown of gases. Applied Optics, 1987, 26, 760.	2.1	37
62	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
63	Black carbon concentration in a Greenland Dyeâ€3 Ice Core. Geophysical Research Letters, 1992, 19, 1951-1953.	4.0	36
64	Scattering by a composite sphere and effective medium approximations. Optics Communications, 1998, 146, 15-20.	2.1	36
65	Mixed phase cloud water/ice structure from high spatial resolution satellite data. Geophysical Research Letters, 2004, 31, .	4.0	36
66	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
67	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
68	The role of Atlantic Multi-decadal Oscillation in the global mean temperature variability. Climate Dynamics, 2016, 47, 3271-3279.	3.8	34
69	Mie scattering into the backward hemisphere. Journal of the Optical Society of America, 1973, 63, 1467.	1.2	33
70	Black carbon: Atmospheric concentrations and cloud water content measurements over southern Nova Scotia. Journal of Geophysical Research, 1996, 101, 29105-29110.	3.3	33
71	Analytical Analysis of a Budyko-Type Climate Model. Journals of the Atmospheric Sciences, 1975, 32, 675-679.	1.7	31
72	Scattering by nonspherical particles and optical properties of Martian dust. Icarus, 1978, 36, 198-203.	2.5	31

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73	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
74	Solar Radiative Transfer in Clouds with Vertical Internal Inhomogeneity. Journals of the Atmospheric Sciences, 1994, 51, 2542-2552.	1.7	31
75	Effective-medium predictions of absorption by graphitic carbon in water droplets. Optics Letters, 1994, 19, 1675.	3.3	31
76	Black carbon concentrations in precipitation and near surface air in and near Halifax, Nova Scotia. Atmospheric Environment, 1999, 33, 2269-2277.	4.1	31
77	Asymmetry parameter and aggregate particles. Applied Optics, 1998, 37, 1104.	2.1	30
78	A Note on Extinction and Scattering Efficiencies. Journal of Applied Meteorology, 1977, 16, 321-322.	1.1	30
79	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
80	Trends in aerosol optical depth for cities in India. Atmospheric Environment, 2007, 41, 7524-7532.	4.1	29
81	Meltwater flux and runoff modeling in the ablation area of Jakobshavn IsbrÃ¦, West Greenland. Journal of Glaciology, 2010, 56, 20-32.	2.2	29
82	Multidecadal variability of Atlantic hurricane activity: 1851â€“2007. Journal of Geophysical Research, 2008, 113, .	3.3	28
83	Graphitic carbon content of aerosols, clouds and snow, and its climatic implications. Science of the Total Environment, 1984, 36, 117-120.	8.0	27
84	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
85	Large-sphere limits of the Mie-scattering functions. Journal of the Optical Society of America, 1973, 63, 699.	1.2	25
86	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
87	Contribution of sea salt aerosol to the planetary clear-sky albedo. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 72.	1.6	25
88	Aerosol radiative forcing and climate sensitivity deduced from the Last Glacial Maximum to Holocene transition. Geophysical Research Letters, 2008, 35, .	4.0	25
89	Absorption and scattering of light by small particles: the interference structure. Applied Optics, 1990, 29, 3984.	2.1	24
90	Broadband water vapor absorption of solar radiation tested using ARM data. Geophysical Research Letters, 1998, 25, 1169-1172.	4.0	24

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91	Asymptotic limits of the Mie-scattering characteristics. Journal of the Optical Society of America, 1975, 65, 1316.	1.2	23
92	Entropy in Climate Models. Part I: Vertical Structure of Atmospheric Entropy Production. Journals of the Atmospheric Sciences, 1994, 51, 1691-1701.	1.7	23
93	Interstellar extinction by composite grains. Astronomy and Astrophysics, 2001, 375, 584-590.	5.1	23
94	Sea-salt optical properties and GCM forcing at solar wavelengths. Atmospheric Research, 2003, 65, 211-233.	4.1	23
95	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
96	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
97	The carbon cycle response to two El Nino types: an observational study. Environmental Research Letters, 2018, 13, 024001.	5.2	22
98	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
99	Entropy in Climate Models. Part II: Horizontal Structure of Atmospheric Entropy Production. Journals of the Atmospheric Sciences, 1994, 51, 1702-1708.	1.7	20
100	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
101	Isolating the anthropogenic component of Arctic warming. Geophysical Research Letters, 2014, 41, 3569-3576.	4.0	20
102	Indirect Aerosol Effect Increases CMIP5 Modelsâ€™ Projected Arctic Warming. Journal of Climate, 2016, 29, 1417-1428.	3.2	20
103	CMIP5 Climate Models Overestimate Cooling by Volcanic Aerosols. Geophysical Research Letters, 2020, 47, e2020GL087047.	4.0	20
104	Far-infrared absorption of small-palladium-particle composites. Physical Review B, 1983, 27, 5107-5109.	3.2	19
105	Climate-driven fluctuations in freshwater flux to Sermilik Fjord, East Greenland, during the last 4000 years. Holocene, 2012, 22, 155-164.	1.7	19
106	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
107	Longwave Radiative Properties of Polydispersed Hexagonal Ice Crystals. Journals of the Atmospheric Sciences, 1994, 51, 175-190.	1.7	19
108	Extinction cross sections of arbitrarily shaped randomly oriented nonspherical particles. Journal of the Optical Society of America, 1977, 67, 1348.	1.2	18

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109	Time delay of stimulated Raman scattering of micronâ€size droplets. Applied Physics Letters, 1988, 52, 1642-1644.	3.3	18
110	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
111	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
112	Light scattering by small particles in an intermediate region. Optics Communications, 1995, 117, 389-394.	2.1	17
113	Hemispherical Backscattering by Aerosols. Journal of Applied Meteorology, 1975, 14, 380-387.	1.1	17
114	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
115	Remote sensing of Greenland ice sheet using multispectral nearâ€infrared and visible radiances. Journal of Geophysical Research, 2007, 112, .	3.3	16
116	Mie scattering between any two angles. Journal of the Optical Society of America, 1977, 67, 572.	1.2	15
117	Satellite based retrieval of aerosol optical thickness: The effect of sun and satellite geometry. Geophysical Research Letters, 2003, 30, .	4.0	15
118	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
119	Sensitivities of Radiative-Convective Climate Models. Journals of the Atmospheric Sciences, 1981, 38, 1105-1110.	1.7	15
120	Nonunitarity of the light scattering approximations. Applied Optics, 1979, 18, 1123.	2.1	14
121	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
122	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
123	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
124	Mie scattering by a spherical particle in an absorbing medium. Applied Optics, 2002, 41, 3545.	2.1	11
125	Scattering Properties and Composition of Cometary Dust. Astrophysics and Space Science, 2006, 301, 21-31.	1.4	11
126	Depolarization of electromagnetic radiation scattered by nonspherical particles*. Journal of the Optical Society of America, 1977, 67, 175.	1.2	10

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127	Infrared extinction and the mass concentration of atmospheric aerosols. Atmospheric Environment, 1979, 13, 169-173.	1.0	10
128	Parameterization of cloud optical properties for semidirect radiative forcing. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
129	Cloud radiative forcing ratio. An analytical model. Tellus, Series A: Dynamic Meteorology and Oceanography, 1998, 50, 259-264.	1.7	9
130	Distribution of Water in Hailstones. Journal of Climate and Applied Meteorology, 1984, 23, 1469-1472.	1.0	8
131	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
132	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
133	Radiative properties of water clouds: simple approximations. Atmospheric Research, 1995, 35, 139-156.	4.1	7
134	Cloud radiative forcing ratio: An analytical model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 50, 259.	1.7	7
135	Absorption of solar radiation by charged water droplets. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 697-708.	2.3	7
136	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
137	Atmospheric Entropy. Part I: Climate Dissipation Structure. Journal of Climate, 2012, 25, 3173-3190.	3.2	7
138	Shortwave Radiative Properties of Clouds: Numerical Study. Journals of the Atmospheric Sciences, 1994, 51, 1223-1233.	1.7	7
139	Graphitic Carbon in Snow. Aerosol Science and Technology, 1989, 10, 151-160.	3.1	6
140	Absorption and scattering of microwaves by falling snow. Journal of Infrared, Millimeter and Terahertz Waves, 1993, 14, 2295-2310.	0.6	6
141	Satellite remote sensing of aerosols generated by the Island of Nauru. Journal of Geophysical Research, 2006, 111, .	3.3	6
142	Satellite and surface observations of Nauru Island clouds: Differences between El Nino and La Nina periods. Geophysical Research Letters, 2006, 33, .	4.0	6
143	The Dissipation Structure of Extratropical Cyclones. Journals of the Atmospheric Sciences, 2014, 71, 69-88.	1.7	6
144	Observed and Projected Precipitation Changes over the Nine US Climate Regions. Atmosphere, 2017, 8, 207.	2.3	6

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145	Radiative Properties of Finite Inhomogeneous Cirrus Clouds: Monte Carlo Simulations. Journals of the Atmospheric Sciences, 1995, 52, 3512-3522.	1.7	6
146	Light scattering resonance enhancement and suppression in cylinders and spheres using two coherent plane waves. Optics Communications, 1993, 98, 313-322.	2.1	5
147	Anomalous diffraction approximation limits. Atmospheric Research, 1998, 49, 77-80.	4.1	5
148	Comparison of a single-view and a double-view aerosol optical depth retrieval algorithm. , 2003, , .		5
149	AEROSOLS | Soot. , 2015, , 86-91.		5
150	Surface Waves in Light Scattering by Spherical and Non-Spherical Particles. , 1980, , 153-164.		5
151	The fine structure of the mie scattering. Journal of Colloid and Interface Science, 1978, 64, 595-597.	9.4	4
152	Light scattering by a pair of conjugate nonspherical particles. Journal of the Optical Society of America, 1979, 69, 1550.	1.2	4
153	Effect of Broken Clouds on Satellite-Based Columnar Water Vapor Retrieval. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 175-178.	3.1	3
154	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
155	Effect of Air Bubbles on Absorption of Solar Radiation by Water Droplets. Journals of the Atmospheric Sciences, 1998, 55, 340-343.	1.7	3
156	Sensitivity of near infrared total water vapour estimate to calibration errors. International Journal of Remote Sensing, 2004, 25, 4457-4470.	2.9	2
157	Roper ResonanceN(1470) in the Three-Quark Model. Progress of Theoretical Physics, 1968, 40, 1453-1454.	2.0	1
158	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
159	Complex Regge Poles and Hypercharge - Exchange Reactions. Physical Review D, 1971, 4, 3509-3510.	4.7	1
160	Regge Cuts and Sum Rules for Meson-Nucleon Charge-Exchange Scattering. Physical Review D, 1971, 3, 2109-2111.	4.7	1
161	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
162	Introduction to special section on Global Warming and the Next Ice Age. Journal of Geophysical Research, 2007, 112, .	3.3	1

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163	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
164	Note on the Scattering of Radiation by Moderately Nonspherical Particles. Journals of the Atmospheric Sciences, 1982, 39, 1886-1888.	1.7	1
165	Three-Body Vertices in a Quark Model. Physical Review D, 1970, 1, 1505-1506.	4.7	0
166	Quarks and Double-PeakedA2Meson. Progress of Theoretical Physics, 1970, 43, 233-235.	2.0	0
167	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
168	Polarization and complex conjugate Pomeranchuk trajectories. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1971, 1, 828-830.	0.4	0
169	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
170	Infrared radiative characteristics of water clouds. , 1993, 1934, 361.		0
171	Parameterization of the optical properties of sulfate aerosols. AIP Conference Proceedings, 2000, , .	0.4	0
172	LANL MTI science team experience. , 2004, , .		0
173	Uncertainty over weakening circulation. Physics Today, 2007, 60, 14-14.	0.3	0
174	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
175	RECENT TEMPERATURE CHANGES IN GREENLAND: COASTAL STATIONS AND THE GREENLAND ICE SHEET. , 2006, , .		0