List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Review of elastic light scattering from single aerosol particles and application in bioaerosol detection. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 279, 108067.	2.3	14
2	Prepare for Impact!. Research Notes of the AAS, 2022, 6, 39.	0.7	0
3	Photometric analysis of the Luna spacecraft landing sites. Planetary and Space Science, 2022, 216, 105475.	1.7	4
4	On the dust production of active asteroid (3200) Phaethon in 2009: What the DESTINY+ spaceprobe could encounter. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, , 108224.	2.3	0
5	Measurements of elastic light-scattering patterns and images of single, oriented, optically yrapped particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 287, 108223.	2.3	1
6	Stumbling over Planetary Building Blocks: AU Microscopii as an Example of the Challenge of Retrieving Debris-disk Dust Properties. Astrophysical Journal, 2022, 930, 123.	4.5	6
7	Characterizing southern portion of Mare Vaporum with improved Chandrayaan-1ÂM3 data. Icarus, 2021, 355, 114123.	2.5	3
8	Single-particle optical-trapping Raman spectroscopy for the detection and identification of aerosolized airborne biological particles. Measurement Science and Technology, 2021, 32, 055207.	2.6	13
9	Dust in Comet 67P/Churyumov–Gerasimenko: Interrelation between in situ Findings by Rosetta and Ground-based Polarimetry. Research Notes of the AAS, 2021, 5, 68.	0.7	1
10	Optical Constants of a Solar System Organic Analog and the Allende Meteorite in the Near- and Mid-infrared (1.5–13 μm). Planetary Science Journal, 2021, 2, 73.	3.6	0
11	Active remote sensing of atmospheric dust using relationships between their depolarization ratios and reflectivity. Optics Letters, 2021, 46, 2352.	3.3	6
12	Optical trapping and laser-spectroscopy measurements of single particles in air: a review. Measurement Science and Technology, 2021, 32, 102005.	2.6	26
13	Electromagnetic resonances observed in small, charged particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 272, 107798.	2.3	3
14	Monitoring the negative polarization in Comet 29P/Schwassmann–Wachmann during quiescence. Icarus, 2021, 366, 114536.	2.5	8
15	Active, controlled circular, and spin-rotational movement of optically trapped airborne micro-particles. Optics Letters, 2021, 46, 5332.	3.3	2
16	The Nature, Amplitude and Control of Microwave Attenuation in the Atmosphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034978.	3.3	6
17	Advances in atmospheric light scattering and radiative transfer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 274, 107862.	2.3	1
18	Extremely low linear polarization of comet C/2018 V1 (Machholz–Fujikawa–Iwamoto). Icarus, 2020, 336, 113453.	2.5	9

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19	Charge-controlled optical resonances in small particles: Recent developments, challenges and prospects. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 240, 106703.	2.3	6
20	Imaging polarimetry and photometry of comet 21P/Giacobini-Zinner. Icarus, 2020, 337, 113471.	2.5	21
21	Optical properties of charged nonspherical particles determined using the discrete dipole approximation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 254, 107245.	2.3	5
22	Laser spectroscopic characterization of single extraterrestrial dust particles using optical trapping-cavity ringdown and Raman spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 255, 107249.	2.3	10
23	Lunar ilmenite content as assessed by improved Chandrayaan-1 M3 data. Icarus, 2020, 341, 113661.	2.5	8
24	Resolving color differences of comet 41P/Tuttle-Giacobini-Kresák. Astronomy and Astrophysics, 2020, 642, L5.	5.1	8
25	Monitoring polarization in comet 46P/Wirtanen. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1814-1825.	4.4	12
26	Richard K. Chang: In memoriam. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 255, 107273.	2.3	1
27	Removal of topographic effects from LROC NAC images as applied to the inner flank of the crater Hertzsprung S. Planetary and Space Science, 2020, 193, 105090.	1.7	6
28	On the Small Contribution of Supermicron Dust Particles to Light Scattering by Comets. Astrophysical Journal, 2020, 895, 110.	4.5	20
29	Polarization of disintegrating Comet C/2019 Y4 (ATLAS). Monthly Notices of the Royal Astronomical Society, 2020, 497, 1536-1542.	4.4	12
30	Revisiting the particle-size constraint of the 10- $\hat{l}$ $/4$ m silicate feature. Icarus, 2020, 350, 113907.	2.5	7
31	Where is the machine looking? Locating discriminative light-scattering features by class-activation mapping. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106936.	2.3	11
32	Rigorous light-scattering simulations of nanophase iron space-weathering effects on reflectance spectra of olivine grains. Icarus, 2020, 345, 113727.	2.5	15
33	Blue Coma and Red Surface of 174P/Echeclus: Two Sides of the Same Coin?. Research Notes of the AAS, 2020, 4, 75.	0.7	1
34	Characterizing Microphysics of Dust Particles in Comet 21P/Giacobini Zinner by Means of Their Stand-Off Distance. , 2020, , .		0
35	Orbits and Microphysics of Dust Particles Ejected from Comet 29P/Schwassmann-Wachmann. , 2020, , .		0
36	Microphysics of Dust in Disintegrating Comet C/2019 Y4 (Atlas). , 2020, , .		0

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37	Constraining Size of Cometary Dust Particles Using the 10-μm Silicate Feature. , 2020, , .		Ο
38	Chemical reactions of single optically trapped bioaerosols in a controlled environment. Aerosol Science and Technology, 2019, 53, 853-859.	3.1	17
39	Scattering And Absorption of Light in Planetary Regoliths. Journal of Visualized Experiments, 2019, , .	0.3	7
40	Online Characterization of Single Airborne Carbon Nanotube Particles Using Optical Trapping Raman Spectroscopy. Applied Spectroscopy, 2019, 73, 910-916.	2.2	10
41	The Effect of Dust Composition and Shape on Radiation-pressure Forces and Blowout Sizes of Particles in Debris Disks. Astronomical Journal, 2019, 157, 157.	4.7	33
42	Rapid variations of dust colour in comet 41P/Tuttle–Giacobini–KresÃik. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4013-4023.	4.4	25
43	Particle-shape classification using light scattering: An exercise in deep learning. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 231, 140-156.	2.3	25
44	Light scattering by 3-foci convex and concave particles in the geometrical optics approximation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 231, 49-60.	2.3	1
45	Night-sky radiometry can revolutionize the characterization of light-pollution sources globally. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7712-7717.	7.1	33
46	Non-spherical particles in optical tweezers: A numerical solution. PLoS ONE, 2019, 14, e0225773.	2.5	6
47	Technical note: A simple method for retrieval of dust aerosol optical depth with polarized reflectance over oceans. Atmospheric Chemistry and Physics, 2019, 19, 15583-15586.	4.9	4
48	Comet 29P/Schwassmann-Wachmann 1 dust environment from photometric observation at the SOAR Telescope. Icarus, 2019, 319, 58-67.	2.5	29
49	A new look on asteroid shape modeling. Planetary and Space Science, 2019, 165, 19-22.	1.7	0
50	Absolute spectral modelling of asteroid (4) Vesta. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1952-1956.	4.4	5
51	Improved Chandrayaan-1 M3 data: A northwest portion of the Aristarchus Plateau and contiguous maria. Icarus, 2019, 321, 34-49.	2.5	5
52	Modeling polarized solar radiation from a snow surface for correction of polarization-induced error in satellite data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 222-223, 154-169.	2.3	3
53	Characterizing the size and absorption of single nonspherical aerosol particles from angularly-resolved elastic light scattering. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 439-444.	2.3	16
54	A twofold mission to the moon: Objectives and payloads. Acta Astronautica, 2019, 154, 214-226.	3.2	13

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55	Generation of aerosol-particle light-scattering patterns from digital holograms. Optics Letters, 2019, 44, 819.	3.3	9
56	Velocity of Dust Ejected from Interstellar Comet 2I/Borisov. Research Notes of the AAS, 2019, 3, 152.	0.7	7
57	Clues to Understanding the Microphysics of Dust in the Interstellar Comet C/2019 Q4 (Borisov). Research Notes of the AAS, 2019, 3, 138.	0.7	2
58	Non-spherical particles in optical tweezers: A numerical solution. , 2019, 14, e0225773.		0
59	Non-spherical particles in optical tweezers: A numerical solution. , 2019, 14, e0225773.		Ο
60	Non-spherical particles in optical tweezers: A numerical solution. , 2019, 14, e0225773.		0
61	Non-spherical particles in optical tweezers: A numerical solution. , 2019, 14, e0225773.		Ο
62	The Umov effect in application to an optically thin two-component cloud of cosmic dust. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4866-4873.	4.4	10
63	Surface erosion and sedimentation caused by ejecta from the lunar crater Tycho. Planetary and Space Science, 2018, 151, 130-140.	1.7	5
64	Characterizing dark mantle deposits in the lunar crater Alphonsus. Planetary and Space Science, 2018, 153, 22-38.	1.7	3
65	Optical trapping and manipulation of single particles in air: Principles, technical details, and applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 214, 94-119.	2.3	98
66	On the interpolation of light-scattering responses from irregularly shaped particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 211, 123-128.	2.3	25
67	Optical trapping-Raman spectroscopy (OT-RS) with embedded microscopy imaging for concurrent characterization and monitoring of physical and chemical properties of single particles. Analytica Chimica Acta, 2018, 1020, 86-94.	5.4	33
68	Vertical profile of polarization over Vladivostok using horizon shadowing: Clues to understanding the altitude variation of reflectance of aerosol particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 94-102.	2.3	9
69	A photometric function of planetary surfaces for gourmets. Icarus, 2018, 302, 213-236.	2.5	13
70	Polarimetric Technique for Satellite Remote Sensing of Superthin Clouds. , 2018, , 153-174.		0
71	Does orbital angular momentum have effect on laser's scattering by molecular atmosphere?. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 220, 119-122.	2.3	4
72	Interpolating light-scattering properties of irregularly shaped, absorbing particles. Optics Letters, 2018, 43, 4308.	3.3	4

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73	The lunar surface around extremely fresh craters. Icarus, 2018, 311, 258-270.	2.5	6
74	Using LROC WAC data for Lunar surface photoclinometry. Planetary and Space Science, 2018, 160, 120-135.	1.7	9
75	Reflectance of micron-sized dust particles retrieved with the Umov law. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 190, 1-6.	2.3	14
76	Interpreting lunar polarimetric anomalies at large phase angles. Icarus, 2017, 296, 117-122.	2.5	3
77	Advances in atmospheric light scattering theory and remote-sensing techniques. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 188, 1-2.	2.3	5
78	The temporal evolution process from fluorescence bleaching to clean Raman spectra of single solid particles optically trapped in air. Chemical Physics Letters, 2017, 689, 100-104.	2.6	23
79	On the reflectance of dust in comets. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 104-113.	2.3	17
80	Colour variations of Comet C/2013 UQ4 (Catalina). Monthly Notices of the Royal Astronomical Society, 2017, 469, 2695-2703.	4.4	28
81	Elastic back-scattering patterns via particle surface roughness and orientation from single trapped airborne aerosol particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 224-231.	2.3	23
82	Phase-ratio imaging as applied to desert sands for tracking human presence. Applied Optics, 2017, 56, B184.	2.1	4
83	Umov effect in single-scattering dust particles: effect of irregular shape. Optics Letters, 2017, 42, 1962.	3.3	12
84	Measurement of back-scattering patterns from single laser trapped aerosol particles in air. Applied Optics, 2017, 56, B1.	2.1	15
85	Extinction by a homogeneous spherical particle in an absorbing medium. Optics Letters, 2017, 42, 4873.	3.3	27
86	Laser pushing or pulling of absorbing airborne particles. Applied Physics Letters, 2016, 109, .	3.3	27
87	Comparison of lunar red spots including the crater copernicus. Icarus, 2016, 272, 125-139.	2.5	10
88	Optical characterization of electrically charged particles using discrete dipole approximation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 184, 161-166.	2.3	6
89	Opposition effect of the Moon from LROC WAC data. Icarus, 2016, 275, 1-15.	2.5	19
90	Optical resonances in electrically charged particles and their relation to the Drude model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 224-229.	2.3	12

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91	Characterization of a photometric anomaly in lunar Mare Nubium. Planetary and Space Science, 2016, 122, 70-87.	1.7	18
92	The positive-polarization of cometary comae. Planetary and Space Science, 2016, 123, 63-76.	1.7	53
93	Optical trap-cavity ringdown spectroscopy as a single-aerosol-particle-scope. Applied Physics Letters, 2015, 107, 241903.	3.3	17
94	A method to retrieve super-thin cloud optical depth over ocean background with polarized sunlight. Atmospheric Chemistry and Physics, 2015, 15, 11909-11918.	4.9	17
95	Chargeâ€induced electromagnetic resonances in nanoparticles. Annalen Der Physik, 2015, 527, 765-769.	2.4	26
96	Using linear polarization to monitor nanoparticle purity. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 162, 190-196.	2.3	15
97	Generalization of electromagnetic scattering by charged grains through incorporation of interband and intraband effects. Optics Letters, 2015, 40, 5070.	3.3	28
98	Topical issue on optical particle characterization and remote sensing of the atmosphere: Part II. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 153, 1-3.	2.3	3
99	The case for a modern multiwavelength, polarization-sensitive LIDAR in orbit around Mars. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 153, 131-143.	2.3	69
100	Optical signatures of electrically charged particles: Fundamental problems and solutions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 164, 45-53.	2.3	25
101	Comet C/2012 S1 (ISON) coma composition at ~4au from HST observations. Planetary and Space Science, 2015, 118, 138-163.	1.7	42
102	Frequency shift between near- and far-field scattering resonances in dielectric particles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1638.	1.5	5
103	Backscatter in a cloudy atmosphere as a lightning-threat indicator. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 175-180.	2.3	16
104	Light-scattering evolution from particles to regolith. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 87-94.	2.3	18
105	Retrieval of dust-particle refractive index using the phenomenon of negative polarization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 38-42.	2.3	16
106	Effect of morphology on light scattering by agglomerates. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 42-54.	2.3	45
107	Mixing rules and morphology dependence of the scatterer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 68-75.	2.3	15
108	Detecting superâ€ŧhin clouds with polarized sunlight. Geophysical Research Letters, 2014, 41, 688-693.	4.0	28

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109	Comprehensive thematic T-matrix reference database: A 2013–2014 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 349-354.	2.3	40
110	Dust in Comet C/1975 V1 (West). Monthly Notices of the Royal Astronomical Society, 2014, 440, 2928-2943.	4.4	41
111	Retrieving lunar topography from multispectral LROC images. Planetary and Space Science, 2014, 92, 65-76.	1.7	13
112	Dark halos and rays of young lunar craters: A new insight into interpretation. Icarus, 2014, 231, 22-33.	2.5	23
113	Sensing Hadley cell with space-borne lidar. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 148, 38-41.	2.3	1
114	Lunar photometric modelling with SMART-1/AMIE imaging data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 529-539.	2.3	6
115	Scattered-field FDTD and PSTD algorithms with CPML absorbing boundary conditions for light scattering by aerosols. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 166-174.	2.3	27
116	Landing of the probes Luna 23 and Luna 24 remains an enigma. Planetary and Space Science, 2013, 89, 172-182.	1.7	13
117	Lunar surface traces of engine jets of Soviet sample return probes: The enigma of the Luna-23 and Luna-24 landing sites. Planetary and Space Science, 2013, 75, 28-36.	1.7	37
118	Light scattering by feldspar particles: Comparison of model agglomerate debris particles with laboratory samples. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 175-187.	2.3	72
119	The 2nd International Symposium on Atmospheric Light Scattering and Remote Sensing (ISALSaRS'11). Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 122, 1-2.	2.3	3
120	Concepts in electromagnetic scattering for particulate-systems characterization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 1-2.	2.3	4
121	For the depolarization of linearly polarized light by smoke particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 122, 233-237.	2.3	31
122	Comprehensive T-matrix reference database: A 2012–2013 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 123, 145-152.	2.3	32
123	Response to the comment by B. Hapke on "A critical assessment of the Hapke photometric modelâ€. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 116, 191-195.	2.3	16
124	Characteristics of cometary dust in the innermost coma derived from polarimetry by Giotto. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1118-1124.	4.4	21
125	COHERENT BACKSCATTERING VERIFIED NUMERICALLY FOR A FINITE VOLUME OF SPHERICAL PARTICLES. Astrophysical Journal, 2012, 760, 118.	4.5	81
126	Phase-ratio imagery as a planetary remote-sensing tool. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2601-2607.	2.3	34

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127	A critical assessment of the Hapke photometric model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2431-2456.	2.3	68
128	Light scattering by arbitrary shaped particles with rough surfaces: Sh-matrices approach. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2406-2418.	2.3	30
129	Optical properties of a polydispersion of small charged cosmic dust particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2561-2566.	2.3	13
130	A phenomenological single scatterer for studies of complex particulate media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2385-2390.	2.3	16
131	The lunar crater Giordano Bruno as seen with optical roughness imagery. Icarus, 2012, 218, 525-533.	2.5	47
132	Comprehensive T-matrix reference database: A 2009–2011 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1844-1852.	2.3	21
133	Evaluating the carbon depletion found by the Stardust mission in Comet 81P/Wild 2. Astronomy and Astrophysics, 2012, 544, L8.	5.1	40
134	Shape Matters: Plasmonic Nanoparticle Shape Enhances Interaction with Dielectric Substrate. Nano Letters, 2011, 11, 3531-3537.	9.1	122
135	Polarization of light backscattered by small particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2193-2212.	2.3	27
136	Optical measurements of the Moon as a tool to study its surface. Planetary and Space Science, 2011, 59, 1326-1371.	1.7	201
137	The Umov effect for single irregularly shaped particles with sizes comparable with wavelength. Icarus, 2011, 212, 403-415.	2.5	35
138	Measurement and autocorrelation analysis of twoâ€dimensional lightâ€scattering patterns from living cells for labelâ€free classification. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 284-292.	1.5	26
139	Photometric anomalies in the Apollo landing sites as seen from the Lunar Reconnaissance Orbiter. Icarus, 2011, 211, 89-96.	2.5	52
140	New Earth-based absolute photometry of the Moon. Icarus, 2011, 214, 30-45.	2.5	59
141	Electromagnetic wave scattering from cuboid-like particles using Sh-matrices. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 155-162.	2.3	7
142	Beyond Snel's law: Refraction of a nano-beam of light. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 174-176.	2.3	5
143	The impact of ice cloud particle microphysics on the uncertainty of ice water content retrievals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 189-196.	2.3	16
144	Light scattering by large Saharan dust particles: Comparison of modeling and experimental data for two samples. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 420-433.	2.3	34

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145	The 1st International Symposium on Atmospheric Light Scattering and Remote Sensing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 153-154.	2.3	3
146	Digital holographic imaging of aerosol particles in flight. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1776-1783.	2.3	60
147	Interpretation of photo-polarimetric observations of comet 17P/Holmes. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1848-1863.	2.3	39
148	Electromagnetic wave scattering from particles of arbitrary shapes. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1636-1645.	2.3	39
149	A study of subvisual clouds and their radiation effect with a synergy of CERES, MODIS, CALIPSO, and AIRS data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
150	Probable swirls detected as photometric anomalies in Oceanus Procellarum. Icarus, 2010, 208, 20-30.	2.5	38
151	Removal of topographic effects from lunar images using Kaguya (LALT) and Earth-based observations. Planetary and Space Science, 2010, 58, 1298-1306.	1.7	12
152	An analytical solution to the light scattering from cube-like particles using Sh-matrices. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 474-482.	2.3	15
153	Comprehensive T-matrix reference database: A 2007–2009 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 650-658.	2.3	55
154	Scattering parameterization for interpreting asteroid polarimetric and photometric phase effects. Earth, Planets and Space, 2010, 62, 47-52.	2.5	10
155	Validity criteria of the discrete dipole approximation. Applied Optics, 2010, 49, 1267.	2.1	83
156	Spatial filtering technique to image and measure two-dimensional near-forward scattering from single particles. Optics Express, 2010, 18, 9486.	3.4	15
157	Two-dimensional Guinier analysis: application to single aerosol particles in-flight. Optics Express, 2010, 18, 23343.	3.4	15
158	Light scattering by a finite cylinder containing a spherical cavity using Sh-matrices. Optics Communications, 2009, 282, 156-166.	2.1	9
159	Effect of absorption on light scattering by agglomerated debris particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1741-1749.	2.3	65
160	Influence of corrugation on light-scattering properties of capsule and finite-cylinder particles: Analytic solution using Sh-matrices. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 650-669.	2.3	17
161	Optical behavior of composite carbonaceous aerosols: DDA and EMT approaches. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1404-1416.	2.3	33
162	Comprehensive T-matrix reference database: A 2006–07 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1447-1460.	2.3	49

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163	The Tenth Electromagnetic and Light Scattering Conference. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1335-1337.	2.3	13
164	Sh-matrices method applied to light scattering by finite circular cylinders. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1474-1495.	2.3	21
165	Optical properties of single mixed-phase aerosol particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 2108-2123.	2.3	25
166	Analytic light-scattering solution of two merging spheres using Sh-matrices. Optics Communications, 2008, 281, 2411-2423.	2.1	17
167	Polarimetric mapping of the Moon at a phase angle near the polarization minimum. Icarus, 2008, 198, 1-6.	2.5	11
168	Reply to comment on "Optimized matrix inversion technique for the T-matrix method― Optics Letters, 2008, 33, 1367.	3.3	1
169	Light scattering resonances in small particles with electric and magnetic properties. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 327.	1.5	49
170	Optimized matrix inversion technique for the T-matrix method. Optics Letters, 2007, 32, 1168.	3.3	20
171	Multiple scattering by random particulate media: exact 3D results. Optics Express, 2007, 15, 2822.	3.4	132
172	Conditions of applicability of the single-scattering approximation. Optics Express, 2007, 15, 7522.	3.4	47
173	Electromagnetic phase differences in the coherent backscattering enhancement mechanism for random media consisting of large nontransparent spheres. Applied Optics, 2007, 46, 1562.	2.1	8
174	Electromagnetic wave scattering from two interacting small spherical particles. Influence of their optical constants, $\hat{l}\mu$ and $\hat{l}$ <sup>1</sup> /4. Optics Communications, 2007, 269, 1-7.	2.1	6
175	Comprehensive T-matrix reference database: A 2004–06 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 304-324.	2.3	74
176	Sh-matrices method as applied to scattering by particles with layered structure. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 437-454.	2.3	19
177	Photometry of particulate surfaces at extremely small phase angles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 455-463.	2.3	24
178	The scattering matrix of random media consisting of large opaque spheres calculated using ray tracing and accounting for coherent backscattering enhancement. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 509-519.	2.3	11
179	Photometry and polarimetry of particulate surfaces and aerosol particles over a wide range of phase angles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 487-508.	2.3	75
180	Interrelating angular scattering characteristics to internal electric fields for wavelength-scale spherical particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 520-534.	2.3	30

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181	Light scattering by Gaussian random particles with discrete-dipole approximation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 360-377.	2.3	73
182	Scattering of light by roughened Gaussian random particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 604-615.	2.3	65
183	Analytic T-matrix solution of light scattering from capsule and bi-sphere particles: Applications to spore detection. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 108, 81-105.	2.3	23
184	Multispectral polarimetry as a tool to investigate texture and chemistry of lunar regolith particles. Icarus, 2007, 187, 406-416.	2.5	36
185	Light backscatter by surfaces composed of small spherical particles. Applied Optics, 2006, 45, 3871.	2.1	15
186	Simulation of the optical properties of single composite aerosols. Journal of Aerosol Science, 2006, 37, 1683-1695.	3.8	23
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