

# Gorden Videen

## List of Publications by Year in descending order

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238  
papers

5,658  
citations

87886

38  
h-index

138468

58  
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249  
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249  
docs citations

249  
times ranked

3165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of elastic light scattering from single aerosol particles and application in bioaerosol detection. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 279, 108067.	2.3	14
2	Prepare for Impact!. <i>Research Notes of the AAS</i> , 2022, 6, 39.	0.7	0
3	Photometric analysis of the Luna spacecraft landing sites. <i>Planetary and Space Science</i> , 2022, 216, 105475.	1.7	4
4	On the dust production of active asteroid (3200) Phaethon in 2009: What the DESTINY+ spaceprobe could encounter. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, , 108224.	2.3	0
5	Measurements of elastic light-scattering patterns and images of single, oriented, optically trapped particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 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. <i>Astrophysical Journal</i> , 2022, 930, 123.	4.5	6
7	Characterizing southern portion of Mare Vaporum with improved Chandrayaan-1&M3 data. <i>Icarus</i> , 2021, 355, 114123.	2.5	3
8	Single-particle optical-trapping Raman spectroscopy for the detection and identification of aerosolized airborne biological particles. <i>Measurement Science and Technology</i> , 2021, 32, 055207.	2.6	13
9	Dust in Comet 67P/Churyumov&Gerasimenko: Interrelation between in situ Findings by Rosetta and Ground-based Polarimetry. <i>Research Notes of the AAS</i> , 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&1/4m). <i>Planetary Science Journal</i> , 2021, 2, 73.	3.6	0
11	Active remote sensing of atmospheric dust using relationships between their depolarization ratios and reflectivity. <i>Optics Letters</i> , 2021, 46, 2352.	3.3	6
12	Optical trapping and laser-spectroscopy measurements of single particles in air: a review. <i>Measurement Science and Technology</i> , 2021, 32, 102005.	2.6	26
13	Electromagnetic resonances observed in small, charged particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 272, 107798.	2.3	3
14	Monitoring the negative polarization in Comet 29P/Schwassmann&Wachmann during quiescence. <i>Icarus</i> , 2021, 366, 114536.	2.5	8
15	Active, controlled circular, and spin-rotational movement of optically trapped airborne micro-particles. <i>Optics Letters</i> , 2021, 46, 5332.	3.3	2
16	The Nature, Amplitude and Control of Microwave Attenuation in the Atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034978.	3.3	6
17	Advances in atmospheric light scattering and radiative transfer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 274, 107862.	2.3	1
18	Extremely low linear polarization of comet C/2018 V1 (Machholz&Fujikawa&Iwamoto). <i>Icarus</i> , 2020, 336, 113453.	2.5	9

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19	Charge-controlled optical resonances in small particles: Recent developments, challenges and prospects. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 240, 106703.	2.3	6
20	Imaging polarimetry and photometry of comet 21P/Giacobini-Zinner. <i>Icarus</i> , 2020, 337, 113471.	2.5	21
21	Optical properties of charged nonspherical particles determined using the discrete dipole approximation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 254, 107245.	2.3	5
22	Laser spectroscopic characterization of single extraterrestrial dust particles using optical trapping-cavity ringdown and Raman spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 255, 107249.	2.3	10
23	Lunar ilmenite content as assessed by improved Chandrayaan-1 M3 data. <i>Icarus</i> , 2020, 341, 113661.	2.5	8
24	Resolving color differences of comet 41P/Tuttle-Giacobini-Kresák. <i>Astronomy and Astrophysics</i> , 2020, 642, L5.	5.1	8
25	Monitoring polarization in comet 46P/Wirtanen. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1814-1825.	4.4	12
26	Richard K. Chang: In memoriam. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 255, 107273.	2.3	1
27	Removal of topographic effects from LROC NAC images as applied to the inner flank of the crater Hertzprung S. <i>Planetary and Space Science</i> , 2020, 193, 105090.	1.7	6
28	On the Small Contribution of Supermicron Dust Particles to Light Scattering by Comets. <i>Astrophysical Journal</i> , 2020, 895, 110.	4.5	20
29	Polarization of disintegrating Comet C/2019 Y4 (ATLAS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1536-1542.	4.4	12
30	Revisiting the particle-size constraint of the 10- $\mu$ m silicate feature. <i>Icarus</i> , 2020, 350, 113907.	2.5	7
31	Where is the machine looking? Locating discriminative light-scattering features by class-activation mapping. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106936.	2.3	11
32	Rigorous light-scattering simulations of nanophase iron space-weathering effects on reflectance spectra of olivine grains. <i>Icarus</i> , 2020, 345, 113727.	2.5	15
33	Blue Coma and Red Surface of 174P/Echeclus: Two Sides of the Same Coin?. <i>Research Notes of the AAS</i> , 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- $\mu$ m Silicate Feature. , 2020, , .		0
38	Chemical reactions of single optically trapped bioaerosols in a controlled environment. <i>Aerosol Science and Technology</i> , 2019, 53, 853-859.	3.1	17
39	Scattering And Absorption of Light in Planetary Regoliths. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	7
40	Online Characterization of Single Airborne Carbon Nanotube Particles Using Optical Trapping Raman Spectroscopy. <i>Applied Spectroscopy</i> , 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. <i>Astronomical Journal</i> , 2019, 157, 157.	4.7	33
42	Rapid variations of dust colour in comet 41P/Tuttleâ€“Giacobiniâ€“KresÅ¡k. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4013-4023.	4.4	25
43	Particle-shape classification using light scattering: An exercise in deep learning. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 231, 140-156.	2.3	25
44	Light scattering by 3-foci convex and concave particles in the geometrical optics approximation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 231, 49-60.	2.3	1
45	Night-sky radiometry can revolutionize the characterization of light-pollution sources globally. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7712-7717.	7.1	33
46	Non-spherical particles in optical tweezers: A numerical solution. <i>PLoS ONE</i> , 2019, 14, e0225773.	2.5	6
47	Technical note: A simple method for retrieval of dust aerosol optical depth with polarized reflectance over oceans. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15583-15586.	4.9	4
48	Comet 29P/Schwassmann-Wachmann 1 dust environment from photometric observation at the SOAR Telescope. <i>Icarus</i> , 2019, 319, 58-67.	2.5	29
49	A new look on asteroid shape modeling. <i>Planetary and Space Science</i> , 2019, 165, 19-22.	1.7	0
50	Absolute spectral modelling of asteroid (4) Vesta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1952-1956.	4.4	5
51	Improved Chandrayaan-1 M3 data: A northwest portion of the Aristarchus Plateau and contiguous maria. <i>Icarus</i> , 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. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 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. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 224, 439-444.	2.3	16
54	A twofold mission to the moon: Objectives and payloads. <i>Acta Astronautica</i> , 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.		0
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.		0
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. <i>Icarus</i> , 2018, 311, 258-270.	2.5	6
74	Using LROC WAC data for Lunar surface photoclinometry. <i>Planetary and Space Science</i> , 2018, 160, 120-135.	1.7	9
75	Reflectance of micron-sized dust particles retrieved with the Umov law. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 190, 1-6.	2.3	14
76	Interpreting lunar polarimetric anomalies at large phase angles. <i>Icarus</i> , 2017, 296, 117-122.	2.5	3
77	Advances in atmospheric light scattering theory and remote-sensing techniques. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 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. <i>Chemical Physics Letters</i> , 2017, 689, 100-104.	2.6	23
79	On the reflectance of dust in comets. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 202, 104-113.	2.3	17
80	Colour variations of Comet C/2013 UQ4 (Catalina). <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2695-2703.	4.4	28
81	Elastic back-scattering patterns via particle surface roughness and orientation from single trapped airborne aerosol particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 187, 224-231.	2.3	23
82	Phase-ratio imaging as applied to desert sands for tracking human presence. <i>Applied Optics</i> , 2017, 56, B184.	2.1	4
83	Umov effect in single-scattering dust particles: effect of irregular shape. <i>Optics Letters</i> , 2017, 42, 1962.	3.3	12
84	Measurement of back-scattering patterns from single laser trapped aerosol particles in air. <i>Applied Optics</i> , 2017, 56, B1.	2.1	15
85	Extinction by a homogeneous spherical particle in an absorbing medium. <i>Optics Letters</i> , 2017, 42, 4873.	3.3	27
86	Laser pushing or pulling of absorbing airborne particles. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	27
87	Comparison of lunar red spots including the crater copernicus. <i>Icarus</i> , 2016, 272, 125-139.	2.5	10
88	Optical characterization of electrically charged particles using discrete dipole approximation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 184, 161-166.	2.3	6
89	Opposition effect of the Moon from LROC WAC data. <i>Icarus</i> , 2016, 275, 1-15.	2.5	19
90	Optical resonances in electrically charged particles and their relation to the Drude model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 178, 224-229.	2.3	12

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

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



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127	A critical assessment of the Hapke photometric model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2431-2456.	2.3	68
128	Light scattering by arbitrary shaped particles with rough surfaces: Sh-matrices approach. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2406-2418.	2.3	30
129	Optical properties of a polydispersion of small charged cosmic dust particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2561-2566.	2.3	13
130	A phenomenological single scatterer for studies of complex particulate media. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2385-2390.	2.3	16
131	The lunar crater Giordano Bruno as seen with optical roughness imagery. <i>Icarus</i> , 2012, 218, 525-533.	2.5	47
132	Comprehensive T-matrix reference database: A 2009â€“2011 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1844-1852.	2.3	21
133	Evaluating the carbon depletion found by the Stardust mission in Comet 81P/Wild 2. <i>Astronomy and Astrophysics</i> , 2012, 544, L8.	5.1	40
134	Shape Matters: Plasmonic Nanoparticle Shape Enhances Interaction with Dielectric Substrate. <i>Nano Letters</i> , 2011, 11, 3531-3537.	9.1	122
135	Polarization of light backscattered by small particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 2193-2212.	2.3	27
136	Optical measurements of the Moon as a tool to study its surface. <i>Planetary and Space Science</i> , 2011, 59, 1326-1371.	1.7	201
137	The Umov effect for single irregularly shaped particles with sizes comparable with wavelength. <i>Icarus</i> , 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. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 284-292.	1.5	26
139	Photometric anomalies in the Apollo landing sites as seen from the Lunar Reconnaissance Orbiter. <i>Icarus</i> , 2011, 211, 89-96.	2.5	52
140	New Earth-based absolute photometry of the Moon. <i>Icarus</i> , 2011, 214, 30-45.	2.5	59
141	Electromagnetic wave scattering from cuboid-like particles using Sh-matrices. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 155-162.	2.3	7
142	Beyond Snell's law: Refraction of a nano-beam of light. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 174-176.	2.3	5
143	The impact of ice cloud particle microphysics on the uncertainty of ice water content retrievals. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 189-196.	2.3	16
144	Light scattering by large Saharan dust particles: Comparison of modeling and experimental data for two samples. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 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 2006-2007 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
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