## Simon F Green

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	12.6	848
2	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. Science, 2015, 347, aaa3905.	12.6	310
3	Surface of Young Jupiter Family Comet 81P/Wild 2: View from the Stardust Spacecraft. Science, 2004, 304, 1764-1769.	12.6	300
4	Impact Features on Stardust: Implications for Comet 81P/Wild 2 Dust. Science, 2006, 314, 1716-1719.	12.6	286
5	Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. Science, 2006, 314, 1731-1735.	12.6	200
6	EVOLUTION OF THE DUST SIZE DISTRIBUTION OF COMET 67P/CHURYUMOV–GERASIMENKO FROM 2.2 au TO PERIHELION. Astrophysical Journal, 2016, 821, 19.	4.5	158
7	Evidence for the formation of comet 67P/Churyumov-Gerasimenko through gravitational collapse of a bound clump of pebbles. Monthly Notices of the Royal Astronomical Society, 2017, 469, S755-S773.	4.4	146
8	Dust Measurements in the Coma of Comet 81P/Wild 2 by the Dust Flux Monitor Instrument. Science, 2004, 304, 1776-1780.	12.6	140
9	A soft solid surface on Titan as revealed by the Huygens Surface Science Package. Nature, 2005, 438, 792-795.	27.8	139
10	Characteristics of cometary dust tracks in Stardust aerogel and laboratory calibrations. Meteoritics and Planetary Science, 2008, 43, 23-40.	1.6	134
11	DENSITY AND CHARGE OF PRISTINE FLUFFY PARTICLES FROM COMET 67P/CHURYUMOV–GERASIMENKO. Astrophysical Journal Letters, 2015, 802, L12.	8.3	130
12	The E-ring in the vicinity of Enceladus. Icarus, 2008, 193, 438-454.	2.5	126
13	The dust distribution within the inner coma of comet P/Halley 1982i: encounter by Giotto's impact detectors. , 1988, 187, 719-741.		126
14	The effect of magnetic fields on γ-ray bursts inferred from multi-wavelength observations of the burst of 23 January 1999. Nature, 1999, 398, 394-399.	27.8	124
15	Directional characteristics of thermal-infrared beaming from atmosphereless planetary surfaces - a new thermophysical model. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2042-2062.	4.4	121
16	Comet 67P/Churyumov–Gerasimenko preserved the pebbles that formed planetesimals. Monthly Notices of the Royal Astronomical Society, 2016, 462, S132-S137.	4.4	111
17	Asteroid Impact & Deflection Assessment mission: Kinetic impactor. Planetary and Space Science, 2016, 121, 27-35.	1.7	110
18	Modeling the Nucleus and Jets of Comet 81P/Wild 2 Based on the Stardust Encounter Data. Science, 2004, 304, 1769-1774.	12.6	97

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19	Science case for the Asteroid Impact Mission (AIM): A component of the Asteroid Impact & Deflection Assessment (AIDA) mission. Advances in Space Research, 2016, 57, 2529-2547.	2.6	95
20	The Lightcurve of 4179 Toutatis: Evidence for Complex Rotation. Icarus, 1995, 117, 71-89.	2.5	92
21	GIADA: shining a light on the monitoring of the comet dust production from the nucleus of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A13.	5.1	87
22	Return to Comet Tempel 1: Overview of Stardust-NExT results. Icarus, 2013, 222, 424-435.	2.5	82
23	The dust-to-ices ratio in comets and Kuiper belt objects. Monthly Notices of the Royal Astronomical Society, 2017, 469, S45-S49.	4.4	81
24	Visible and Infrared Photometry of Six Centaurs. Icarus, 1998, 134, 213-227.	2.5	79
25	Comet 81P/Wild 2: The size distribution of finer (subâ€10â€fμm) dust collected by the Stardust spacecraft. Meteoritics and Planetary Science, 2010, 45, 1409-1428.	1.6	76
26	The influence of rough surface thermal-infrared beaming on the Yarkovsky and YORP effects. Monthly Notices of the Royal Astronomical Society, 2012, 423, 367-388.	4.4	75
27	The composition of Saturn's E ring. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1588-1596.	4.4	73
28	Composition of Saturnian Stream Particles. Science, 2005, 307, 1274-1276.	12.6	72
29	MarcoPolo-R near earth asteroid sample return mission. Experimental Astronomy, 2012, 33, 645-684.	3.7	72
30	The internal structure of asteroid (25143) Itokawa as revealed by detection of YORP spin-up. Astronomy and Astrophysics, 2014, 562, A48.	5.1	70
31	Composition of jovian dust stream particles. Icarus, 2006, 183, 122-134.	2.5	64
32	Time of flight mass spectra of ions in plasmas produced by hypervelocity impacts of organic and mineralogical microparticles on a cosmic dust analyser. Astronomy and Astrophysics, 2003, 409, 1151-1167.	5.1	61
33	Infrared observations of the extinct cometary candidate minor planet (3200) 1983TB. Monthly Notices of the Royal Astronomical Society, 1985, 214, 29P-36P.	4.4	60
34	The 2016 Feb 19 outburst of comet 67P/CG: an ESA Rosetta multi-instrument study. Monthly Notices of the Royal Astronomical Society, 2016, 462, S220-S234.	4.4	60
35	The refractory-to-ice mass ratio in comets. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3326-3340.	4.4	59
36	Granular Convection in Microgravity. Physical Review Letters, 2013, 110, 018307.	7.8	58

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37	The IRAS fast-moving object search. Nature, 1984, 309, 315-319.	27.8	57
38	Dust particle impacts during the Giotto encounter with comet Grigg–Skjellerup. Nature, 1993, 362, 732-734.	27.8	57
39	Direct observations of asteroid interior and regolith structure: Science measurement requirements. Advances in Space Research, 2018, 62, 2141-2162.	2.6	54
40	Rotation of cometary nuclei: new light curves and an update of the ensemble properties of Jupiter-family comets. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2974-3007.	4.4	53
41	The nucleus of Comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2012, 548, A12.	5.1	51
42	The inner dust coma of Comet 26P/Grigg-Skjellerup: multiple jets and nucleus fragments?. Monthly Notices of the Royal Astronomical Society, 1997, 289, 535-553.	4.4	50
43	In situ dust measurements in the inner Saturnian system. Planetary and Space Science, 2006, 54, 967-987.	1.7	50
44	Visible and Infrared Photometry of Fourteen Kuiper Belt Objects. Icarus, 2000, 146, 253-262.	2.5	49
45	Visible and infrared photometry of Kuiper Belt objects: searching for evidence of trends. Icarus, 2003, 161, 501-510.	2.5	47
46	67P/C-G inner coma dust properties from 2.2 au inbound to 2.0 au outbound to the Sun. Monthly Notices of the Royal Astronomical Society, 2016, 462, S210-S219.	4.4	46
47	Surface reflectance properties of distant Solar system bodies. Monthly Notices of the Royal Astronomical Society, 1997, 290, 186-192.	4.4	45
48	The influence of global self-heating on the Yarkovsky and YORP effects. Monthly Notices of the Royal Astronomical Society, 2013, 433, 603-621.	4.4	45
49	Release and fragmentation of aggregates to produce heterogeneous, lumpy coma streams. Journal of Geophysical Research, 2004, 109, .	3.3	44
50	Thermal Infrared Spectrophotometry of the Near-Earth Asteroids 2100 Ra-Shalom and 1991 EE. Icarus, 1998, 135, 441-450.	2.5	43
51	Stardust encounters comet 81P/Wild 2. Journal of Geophysical Research, 2004, 109, .	3.3	41
52	Physical characterization of low delta-V asteroid (175706) 1996 FG3â~ Monthly Notices of the Royal Astronomical Society, 2011, 418, 1246-1257.	4.4	37
53	Detection of Water Ice on 2060 Chiron. Icarus, 1999, 141, 408-410.	2.5	36
54	The chemistry of micrometeoroid and space debris remnants captured on hubble space telescope solar cells. International Journal of Impact Engineering, 2001, 26, 263-274.	5.0	36

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55	The dust mass distribution of comet 81P/Wild 2. Journal of Geophysical Research, 2004, 109, .	3.3	36
56	MarcoPolo-R: Near-Earth Asteroid sample return mission selected for the assessment study phase of the ESA program cosmic vision. Acta Astronautica, 2014, 93, 530-538.	3.2	36
57	Laboratory calibration of the cassini cosmic dust analyser (CDA) using new, low density projectiles. Advances in Space Research, 2002, 29, 1139-1144.	2.6	34
58	Interplanetary dust detected by the Cassini CDA Chemical Analyser. Icarus, 2007, 190, 643-654.	2.5	34
59	Physical characterisation of near-Earth asteroid (1620) Geographos. Astronomy and Astrophysics, 2014, 568, A43.	5.1	34
60	The European Union funded NEOShield project: A global approach to near-Earth object impact threat mitigation. Acta Astronautica, 2013, 90, 80-84.	3.2	33
61	Observing the variation of asteroid thermal inertia with heliocentric distance. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1782-1802.	4.4	32
62	Meteoroids and small sized debris in low earth orbit and at 1 AU: Results of recent modelling. Advances in Space Research, 1999, 23, 73-82.	2.6	31
63	Optical and infrared observations of the Centaur 1997 CU26. Monthly Notices of the Royal Astronomical Society, 1999, 306, 799-805.	4.4	31
64	GIADA: ITS STATUS AFTER THE ROSETTA CRUISE PHASE AND ON-GROUND ACTIVITY IN SUPPORT OF THE ENCOUNTER WITH COMET 67P/CHURYUMOV-GERASIMENKO. Journal of Astronomical Instrumentation, 2014, 03, .	1.5	31
65	Observations of comet IRAS-Araki-Alcock 1983d. Astrophysical Journal, 1984, 278, L11.	4.5	31
66	The production of platinum-coated silicate nanoparticle aggregates for use in hypervelocity impact experiments. Planetary and Space Science, 2009, 57, 2081-2086.	1.7	30
67	MARCO POLO: near earth object sample return mission. Experimental Astronomy, 2009, 23, 785-808.	3.7	30
68	The 67P/Churyumov–Gerasimenko observation campaign in support of the Rosetta mission. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160249.	3.4	29
69	Thermal infrared and optical observations of four near-Earth asteroids. Icarus, 2008, 193, 535-552.	2.5	28
70	A thermophysical analysis of the (1862) Apollo Yarkovsky and YORP effects. Astronomy and Astrophysics, 2013, 555, A20.	5.1	28
71	Granular shear flow in varying gravitational environments. Granular Matter, 2013, 15, 129-137.	2.2	27
72	The cosmic dust analyser onboard cassini: ten years of discoveries. CEAS Space Journal, 2011, 2, 3-16.	2.3	26

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73	The strength and detectability of the YORP effect in near-Earth asteroids: a statistical approach. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1376-1389.	4.4	26
74	Investigation of systematic bias in radiometric diameter determination of near-Earth asteroids: the night emission simulated thermal model (NESTM). Monthly Notices of the Royal Astronomical Society, 2009, 400, 204-218.	4.4	25
75	Optical and Infrared Photometry of Kuiper Belt Object 1993SCâ <sup>~</sup> †. Icarus, 1997, 125, 61-66.	2.5	24
76	Estimation of the dust flux near Mercury. Planetary and Space Science, 2002, 50, 1101-1115.	1.7	23
77	Optical and thermal infrared observations of six near-Earth asteroids in 2002. Icarus, 2005, 175, 92-110.	2.5	23
78	The anomalous dust tail of comet P/Tempel 2. Monthly Notices of the Royal Astronomical Society, 1984, 211, 15P-19P.	4.4	21
79	The Lightcurve and Colors of Unusual Minor Planet 1996 PW. Icarus, 1998, 132, 418-430.	2.5	21
80	Penetrometry of granular and moist planetary surface materials: Application to the Huygens landing site on Titan. Icarus, 2010, 210, 843-851.	2.5	21
81	Physical and dynamical characterisation of the unbound asteroid pair 7343-154634. Astronomy and Astrophysics, 2012, 539, A36.	5.1	21
82	Near-infrared spectra of 12 Near-Earth Objects. Icarus, 2007, 186, 111-125.	2.5	20
83	CASTAway: An asteroid main belt tour and survey. Advances in Space Research, 2018, 62, 1998-2025.	2.6	18
84	The detection of a strong 3.28-μm emission feature in Comet Levy. Monthly Notices of the Royal Astronomical Society, 1991, 251, 148-151.	4.4	17
85	Spectroscopic observations of unbound asteroid pairs using the WHTâ~ Monthly Notices of the Royal Astronomical Society, 2013, 429, 63-74.	4.4	17
86	Implications of the small spin changes measured for large Jupiter-family comet nuclei. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4665-4680.	4.4	17
87	Near Earth Environment. Astronomy and Astrophysics Library, 2001, , 163-231.	0.1	17
88	8- to 13-μm spectra of asteroids. Icarus, 1985, 62, 282-288.	2.5	16
89	Microparticle impacts upon HST solar cells. Advances in Space Research, 2001, 28, 1341-1346.	2.6	16
90	Dust Flux Monitor Instrument measurements during Stardust-NExT Flyby of Comet 9P/Tempel 1. Icarus, 2013, 222, 526-539.	2.5	16

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91	Simulating regoliths in microgravity. Monthly Notices of the Royal Astronomical Society, 2013, 433, 506-514.	4.4	16
92	Discovery of nonâ€random spatial distribution of impacts in the Stardust cometary collector. Meteoritics and Planetary Science, 2008, 43, 415-429.	1.6	15
93	Impact ionization mass spectra of anorthite cosmic dust analogue particles. Journal of Geophysical Research, 2012, 117, .	3.3	15
94	Infrared and optical observations of low-activity comets, P/Arend-Rigaux (1984k) and P/Neujmin 1 (1984c). Monthly Notices of the Royal Astronomical Society, 1987, 225, 285-296.	4.4	14
95	First results of particulate impacts and foil perforations on LDEF. Advances in Space Research, 1991, 11, 109-114.	2.6	14
96	The Lightcurve and Colors of Unusual Minor Planet 1998 WU24. Icarus, 2001, 150, 69-77.	2.5	14
97	Triple F—a comet nucleus sample return mission. Experimental Astronomy, 2009, 23, 809-847.	3.7	14
98	Asymmetries in the natural meteoroid population as sampled by LDEF. Planetary and Space Science, 1995, 43, 757-764.	1.7	13
99	Sample return of interstellar matter (SARIM). Experimental Astronomy, 2009, 23, 303-328.	3.7	13
100	Towards New Comet Missions. Space Science Reviews, 2019, 215, 1.	8.1	13
101	B and V lightcurves and pole positions of three S-class asteroids. Icarus, 1984, 59, 286-295.	2.5	12
102	Ground-Based Photometry of Asteroid 951 Gaspra. Icarus, 1993, 101, 213-222.	2.5	12
103	Development of concepts for detection and characterisation of debris in Earth orbit using passive optical instruments. Advances in Space Research, 1993, 13, 59-63.	2.6	12
104	Impacts on HST and EuReCa solar arrays compared with LDEF using a new glass-to-aluminium conversion. Advances in Space Research, 1999, 23, 83-87.	2.6	12
105	Modelling CDA mass spectra. Planetary and Space Science, 2006, 54, 1007-1013.	1.7	12
106	Microparticle Populations at LEO Altitudes: Recent Spacecraft Measurements. Icarus, 1997, 127, 55-64.	2.5	11
107	Colour variations of asteroid 243 Ida. Planetary and Space Science, 1994, 42, 21-25.	1.7	10
108	APSIS — Aerogel position-sensitive impact sensor: Capabilities for in-situ collection and sample return. Advances in Space Research, 2000, 25, 315-322.	2.6	10

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109	Shape model and spin-state analysis of PHA contact binary (85990) 1999 JV6 from combined radar and optical observations. Astronomy and Astrophysics, 2019, 631, A149.	5.1	10
110	(6478) Gault: physical characterization of an active main-belt asteroid. Monthly Notices of the Royal Astronomical Society, 2021, 505, 245-258.	4.4	10
111	Detection of the YORP effect on the contact binary (68346) 2001 KZ66 from combined radar and optical observations. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4914-4932.	4.4	10
112	Observations of asteroids in the 3- to $4-\hat{l}^{1}/4$ m region. Icarus, 1983, 55, 245-249.	2.5	9
113	The detection of fast-moving asteroids and comets by IRAS. Icarus, 1985, 64, 517-527.	2.5	9
114	Dust flux analyser experiment for the Rosetta mission. Advances in Space Research, 1996, 17, 137-140.	2.6	9
115	The Stardust dust flux monitor. Advances in Space Research, 2000, 25, 335-338.	2.6	8
116	An easy-to-use Model for the Optical Thickness and Ambient Illumination within Cometary Dust Comae. Earth, Moon and Planets, 2002, 90, 99-108.	0.6	8
117	Computer modelling of a penetrator thermal sensor. Advances in Space Research, 2010, 46, 337-345.	2.6	8
118	Numerical simulations of granular dynamics II: Particle dynamics in a shaken granular material. Icarus, 2012, 219, 321-335.	2.5	8
119	Physical model of near-Earth asteroid (1917) Cuyo from ground-based optical and thermal-IR observations. Astronomy and Astrophysics, 2019, 627, A172.	5.1	7
120	Investigating thermal properties of gas-filled planetary regoliths using a thermal probe. Geoscientific Instrumentation, Methods and Data Systems, 2012, 1, 7-21.	1.6	6
121	The effect of aspect changes on Near-Earth Asteroid phase curves. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3076-3089.	4.4	6
122	A 3-D numerical model for space debris and interplanetary dust fluxes incident on LDEF. Advances in Space Research, 1993, 13, 107-110.	2.6	5
123	VRI imaging of comet 46P/Wirtanen. Planetary and Space Science, 1999, 47, 765-772.	1.7	5
124	SIMONE: Interplanetary microsatellites for NEO rendezvous missions. Acta Astronautica, 2006, 59, 700-709.	3.2	5
125	Serendipitous Asteroid Lightcurve Survey Using SuperWASP. Earth, Moon and Planets, 2006, 97, 261-268.	0.6	5
126	A small mission for in situ exploration of a primitive binary near-Earth asteroid. Advances in Space Research, 2009, 43, 317-324.	2.6	5

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127	Using the inertia of spacecraft during landing to penetrate regoliths of the Solar System. Advances in Space Research, 2015, 56, 1242-1263.	2.6	5
128	Detection of structure in asteroid analogue materials and Titan's regolith by a landing spacecraft. Advances in Space Research, 2016, 58, 415-437.	2.6	5
129	GIADA performance during Rosetta mission scientific operations at comet 67P. Advances in Space Research, 2018, 62, 1987-1997.	2.6	5
130	Highâ€Resolution Thermophysical Analysis of the OSIRISâ€REx Sample Site and Three Other Regions of Interest on Bennu. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	5
131	DFA—The dust flux analyzer for the Rosetta Orbiter. Advances in Space Research, 1998, 21, 1557-1566.	2.6	3
132	SARIM PLUS—sample return of comet 67P/CG and of interstellar matter. Experimental Astronomy, 2012, 33, 723-751.	3.7	3
133	THERMAP: a mid-infrared spectro-imager for space missions to small bodies in the inner solar system. Experimental Astronomy, 2016, 41, 95-115.	3.7	3
134	Asteroid Photometry with PIRATE: Optimizations and Techniques for Small Aperture Telescopes. Publications of the Astronomical Society of the Pacific, 2021, 133, 075003.	3.1	3
135	Size dependent space debris density distribution and implications for size to mass conversion. Advances in Space Research, 1993, 13, 149-152.	2.6	2
136	<title>Real-time ground-based optical detection system for space debris</title> . , 1996, , .		2
137	Algorithm for optical real-time ground-based space debris detection. Advances in Space Research, 1997, 19, 233-236.	2.6	2
138	Three-dimensional cometary dust coma modelling in the collisionless regime: strengths and weaknesses. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1064-1084.	4.4	2
139	Microstructural penetrometry of asteroid regolith analogues and Titan's surface. Icarus, 2012, 220, 787-807.	2.5	2
140	Publisher's Note: Granular Convection in Microgravity [Phys. Rev. Lett. <b>110</b> , 018307 (2013)]. Physical Review Letters, 2013, 110, .	7.8	2
141	Photometry Techniques - Report of Splinter Meeting. , 0, , 57-60.		2
142	Physical properties of near-Earth asteroid (2102) Tantalus from multi-wavelength observations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
143	Prediction of the 2001 Leonid activity and an assessment of the spacecraft impact hazard. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 175-179.	3.4	1
144	Organic molecules in saturnian E-ring particles. Probing subsurface oceans of Enceladus?. Proceedings of the International Astronomical Union, 2008, 4, 317-318.	0.0	1

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145	Degree of flexibility. Physics World, 1998, 11, 16-16.	0.0	Ο
146	CDA cruise science: Comparison of measured dust flux at 1AU with models. COSPAR Colloquia Series, 2002, 15, 160-163.	0.2	0
147	<i>MarcoPolo-R</i> : Near Earth Asteroid Sample Return Mission candidate as ESA-M3 class mission. Proceedings of the International Astronomical Union, 2012, 10, 163-163.	0.0	0
148	THE NEAR-EARTH OBJECT IMPACT HAZARD: SPACE MISSION PRIORITIES FOR RISK ASSESSMENT AND REDUCTION. , 2005, , .		0
149	Seeing the Bigger Picture: Rosetta Mission Amateur Observing Campaign and Lessons for the Future. Planetary Science Journal, 2020, 1, 84.	3.6	0