

Simon B Porter

List of Publications by Year in descending order

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41
papers

1,717
citations

430874

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42
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbits and Occultation Opportunities of 15 TNOs Observed by New Horizons. <i>Planetary Science Journal</i> , 2022, 3, 23.	3.6	3
2	High-resolution Search for Kuiper Belt Object Binaries from New Horizons. <i>Planetary Science Journal</i> , 2022, 3, 46.	3.6	4
3	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	8.3	32
4	The Diverse Shapes of Dwarf Planet and Large KBO Phase Curves Observed from New Horizons. <i>Planetary Science Journal</i> , 2022, 3, 95.	3.6	10
5	The Geophysical Environment of (486958) Arrokoth—A Small Kuiper Belt Object Explored by <i>New Horizons</i>. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	18
6	Detection of Radio Thermal Emission from the Kuiper Belt Object (486958) Arrokoth during the New Horizons Encounter. <i>Planetary Science Journal</i> , 2022, 3, 109.	3.6	3
7	Snow Crash: Compaction Craters on (486958) Arrokoth and Other Small KBOs, With Implications. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
8	A statistical review of light curves and the prevalence of contact binaries in the Kuiper Belt. <i>Icarus</i> , 2021, 356, 114098.	2.5	10
9	Persephone: A Pluto-system Orbiter and Kuiper Belt Explorer. <i>Planetary Science Journal</i> , 2021, 2, 75.	3.6	7
10	Size and Shape of (11351) Leucus from Five Occultations. <i>Planetary Science Journal</i> , 2021, 2, 202.	3.6	7
11	New Horizons Observations of the Cosmic Optical Background. <i>Astrophysical Journal</i> , 2021, 906, 77.	4.5	42
12	Size and Shape Constraints of (486958) Arrokoth from Stellar Occultations. <i>Astronomical Journal</i> , 2020, 159, 130.	4.7	25
13	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	64
14	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	76
15	The solar nebula origin of (486958) Arrokoth, a primordial contact binary in the Kuiper Belt. <i>Science</i> , 2020, 367, .	12.6	79
16	Disk-resolved Photometric Properties of Pluto and the Coloring Materials across its Surface. <i>Astronomical Journal</i> , 2020, 159, 74.	4.7	18
17	Detection of a Satellite of the Trojan Asteroid (3548) Eurybates—A Lucy Mission Target. <i>Planetary Science Journal</i> , 2020, 1, 44.	3.6	13
18	Phase Curves from the Kuiper Belt: Photometric Properties of Distant Kuiper Belt Objects Observed by New Horizons. <i>Astronomical Journal</i> , 2019, 158, 123.	4.7	14

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19	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
20	Phase Curves of Nix and Hydra from the New Horizons Imaging Cameras. <i>Astrophysical Journal Letters</i> , 2018, 852, L35.	8.3	6
21	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. <i>Icarus</i> , 2018, 301, 155-172.	2.5	11
22	Great Expectations: Plans and Predictions for New Horizons Encounter With Kuiper Belt Object 2014 MU ₆₉ (â€œUltima Thuleâ€). <i>Geophysical Research Letters</i> , 2018, 45, 8111-8120.	4.0	14
23	High-precision Orbit Fitting and Uncertainty Analysis of (486958) 2014 MU69. <i>Astronomical Journal</i> , 2018, 156, 20.	4.7	39
24	Limits on a Ring System at 2014 MU69 from Recent Stellar Occultations. <i>Research Notes of the AAS</i> , 2018, 2, 224.	0.7	2
25	Craters of the Pluto-Charon system. <i>Icarus</i> , 2017, 287, 187-206.	2.5	59
26	THE FIRST HIGH-PHASE OBSERVATIONS OF A KBO: NEW HORIZONS IMAGING OF (15810) 1994 JR ₁ FROM THE KUIPER BELT. <i>Astrophysical Journal Letters</i> , 2016, 828, L15.	8.3	14
27	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
28	The small satellites of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aae0030.	12.6	78
29	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
30	On the roles of escape erosion and the viscous relaxation of craters on Pluto. <i>Icarus</i> , 2015, 250, 287-293.	2.5	12
31	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407
32	Ejecta transfer in the Pluto system. <i>Icarus</i> , 2015, 246, 360-368.	2.5	11
33	KCTF evolution of trans-neptunian binaries: Connecting formation to observation. <i>Icarus</i> , 2012, 220, 947-957.	2.5	63
34	POST-CAPTURE EVOLUTION OF POTENTIALLY HABITABLE EXOMOONS. <i>Astrophysical Journal Letters</i> , 2011, 736, L14.	8.3	58
35	A sortie mission to SchrÃ¶dinger Basin as reconnaissance for future exploration. , 2011, , .		7
36	Micrometeorite impact annealing of ice in the outer Solar System. <i>Icarus</i> , 2010, 208, 492-498.	2.5	27

#	ARTICLE	IF	CITATIONS
37	Thermal evolution of Kuiper belt objects, with implications for cryovolcanism. Icarus, 2009, 202, 694-714.	2.5	89
38	An analysis of force generation in TEA CO ₂ laser ablation of liquids. , 2006, , .		1
39	Ablation of Liquids for Laser Propulsion with TEA CO ₂ Laser. AIP Conference Proceedings, 2006, , .	0.4	4
40	Laser-Driven Mini-Thrusters. AIP Conference Proceedings, 2006, , .	0.4	6
41	Time-resolved force and ICCD imaging study of TEA CO ₂ laser ablation of ice and water. , 2006, , .		5