

Simon B Porter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7340333/publications.pdf>

Version: 2024-02-01

41
papers

1,717
citations

430754

18
h-index

315616

38
g-index

42
all docs

42
docs citations

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.	1.5	3
2	High-resolution Search for Kuiper Belt Object Binaries from New Horizons. <i>Planetary Science Journal</i> , 2022, 3, 46.	1.5	4
3	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	3.0	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.	1.5	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, .	1.5	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.	1.5	3
7	Snow Crash: Compaction Craters on (486958) Arrokoth and Other Small KBOs, With Implications. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
8	A statistical review of light curves and the prevalence of contact binaries in the Kuiper Belt. <i>Icarus</i> , 2021, 356, 114098.	1.1	10
9	Persephone: A Pluto-system Orbiter and Kuiper Belt Explorer. <i>Planetary Science Journal</i> , 2021, 2, 75.	1.5	7
10	Size and Shape of (11351) Leucus from Five Occultations. <i>Planetary Science Journal</i> , 2021, 2, 202.	1.5	7
11	New Horizons Observations of the Cosmic Optical Background. <i>Astrophysical Journal</i> , 2021, 906, 77.	1.6	42
12	Size and Shape Constraints of (486958) Arrokoth from Stellar Occultations. <i>Astronomical Journal</i> , 2020, 159, 130.	1.9	25
13	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	64
14	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	76
15	The solar nebula origin of (486958) Arrokoth, a primordial contact binary in the Kuiper Belt. <i>Science</i> , 2020, 367, .	6.0	79
16	Disk-resolved Photometric Properties of Pluto and the Coloring Materials across its Surface. <i>Astronomical Journal</i> , 2020, 159, 74.	1.9	18
17	Detection of a Satellite of the Trojan Asteroid (3548) Eurybates—A Lucy Mission Target. <i>Planetary Science Journal</i> , 2020, 1, 44.	1.5	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.	1.9	14

#	ARTICLE	IF	CITATIONS
19	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. Science, 2019, 364, .	6.0	113
20	Phase Curves of Nix and Hydra from the New Horizons Imaging Cameras. Astrophysical Journal Letters, 2018, 852, L35.	3.0	6
21	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. Icarus, 2018, 301, 155-172.	1.1	11
22	Great Expectations: Plans and Predictions for New Horizons Encounter With Kuiper Belt Object 2014 MU ₆₉ (â€œUltima Thuleâ€). Geophysical Research Letters, 2018, 45, 8111-8120.	1.5	14
23	High-precision Orbit Fitting and Uncertainty Analysis of (486958) 2014 MU69. Astronomical Journal, 2018, 156, 20.	1.9	39
24	Limits on a Ring System at 2014 MU69 from Recent Stellar Occultations. Research Notes of the AAS, 2018, 2, 224.	0.3	2
25	Craters of the Pluto-Charon system. Icarus, 2017, 287, 187-206.	1.1	59
26	THE FIRST HIGH-PHASE OBSERVATIONS OF A KBO: NEW HORIZONS IMAGING OF (15810) 1994 JR ₁ FROM THE KUIPER BELT. Astrophysical Journal Letters, 2016, 828, L15.	3.0	14
27	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. Nature, 2016, 539, 65-68.	13.7	44
28	The small satellites of Pluto as observed by New Horizons. Science, 2016, 351, aae0030.	6.0	78
29	The geology of Pluto and Charon through the eyes of New Horizons. Science, 2016, 351, 1284-1293.	6.0	219
30	On the roles of escape erosion and the viscous relaxation of craters on Pluto. Icarus, 2015, 250, 287-293.	1.1	12
31	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	6.0	407
32	Ejecta transfer in the Pluto system. Icarus, 2015, 246, 360-368.	1.1	11
33	KCTF evolution of trans-neptunian binaries: Connecting formation to observation. Icarus, 2012, 220, 947-957.	1.1	63
34	POST-CAPTURE EVOLUTION OF POTENTIALLY HABITABLE EXOMOONS. Astrophysical Journal Letters, 2011, 736, L14.	3.0	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. Icarus, 2010, 208, 492-498.	1.1	27

#	ARTICLE	IF	CITATIONS
37	Thermal evolution of Kuiper belt objects, with implications for cryovolcanism. Icarus, 2009, 202, 694-714.	1.1	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, , .	0.3	4
40	Laser-Driven Mini-Thrusters. AIP Conference Proceedings, 2006, , .	0.3	6
41	Time-resolved force and ICCD imaging study of TEA CO ₂ laser ablation of ice and water. , 2006, , .		5