

# Oliver L White

## List of Publications by Year in descending order

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31  
papers

1,838  
citations

471509

17  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale cryovolcanic resurfacing on Pluto. <i>Nature Communications</i> , 2022, 13, 1542.	12.8	15
2	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
3	Snow Crash: Compaction Craters on (486958) Arrokoth and Other Small KBOs, With Implications. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
4	Cryovolcanic flooding in Viking Terra on Pluto. <i>Icarus</i> , 2021, 356, 113786.	2.5	9
5	Morphological comparison of blocks in chaos terrains on Pluto, Europa, and Mars. <i>Icarus</i> , 2021, 356, 113866.	2.5	15
6	Modeling Pluto’s minimum pressure: Implications for haze production. <i>Icarus</i> , 2021, 356, 114070.	2.5	10
7	Some New Results and Perspectives Regarding the Kuiper Belt Object Arrokoth’s Remarkable, Bright Neck. <i>Planetary Science Journal</i> , 2021, 2, 87.	3.6	8
8	Modeling global-scale mass flows on the Lagrangian satellites of Dione and Tethys. <i>Icarus</i> , 2021, 369, 114612.	2.5	3
9	New Investigations of Dark-floored Pits In the Volatile Ice of Sputnik Planitia on Pluto. <i>Astronomical Journal</i> , 2021, 162, 207.	4.7	2
10	The Dark Side of Pluto. <i>Planetary Science Journal</i> , 2021, 2, 214.	3.6	2
11	Tectonism and Enhanced Cryovolcanic Potential Around a Loaded Sputnik Planitia Basin, Pluto. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006964.	3.6	6
12	Equatorial mountains on Pluto are covered by methane frosts resulting from a unique atmospheric process. <i>Nature Communications</i> , 2020, 11, 5056.	12.8	12
13	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	76
14	Initial results from the New Horizons exploration of 2014 MU <sub>69</sub> , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
15	Recent cryovolcanism in Virgil Fossae on Pluto. <i>Icarus</i> , 2019, 330, 155-168.	2.5	45
16	Washboard and fluted terrains on Pluto as evidence for ancient glaciation. <i>Nature Astronomy</i> , 2019, 3, 62-68.	10.1	10
17	Bladed Terrain on Pluto: Possible origins and evolution. <i>Icarus</i> , 2018, 300, 129-144.	2.5	47
18	Great Expectations: Plans and Predictions for New Horizons Encounter With Kuiper Belt Object 2014 MU <sub>69</sub> (‘Ultima Thule’). <i>Geophysical Research Letters</i> , 2018, 45, 8111-8120.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Basins, fractures and volcanoes: Global cartography and topography of Pluto from New Horizons. <i>Icarus</i> , 2018, 314, 400-433.	2.5	75
20	Geological mapping of Sputnik Planitia on Pluto. <i>Icarus</i> , 2017, 287, 261-286.	2.5	52
21	Pluto: Pits and mantles on uplands north and east of Sputnik Planitia. <i>Icarus</i> , 2017, 293, 218-230.	2.5	24
22	Sublimation as a landform-shaping process on Pluto. <i>Icarus</i> , 2017, 287, 320-333.	2.5	51
23	Present and past glaciation on Pluto. <i>Icarus</i> , 2017, 287, 287-300.	2.5	43
24	Magma ascent pathways associated with large mountains on Io. <i>Icarus</i> , 2016, 272, 246-257.	2.5	10
25	Reorientation of Sputnik Planitia implies a subsurface ocean on Pluto. <i>Nature</i> , 2016, 540, 94-96.	27.8	108
26	Convection in a volatile nitrogen-ice-rich layer drives Pluto's geological vigour. <i>Nature</i> , 2016, 534, 82-85.	27.8	102
27	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
28	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
29	The small satellites of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aae0030.	12.6	78
30	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
31	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407