Robert J Weryk

List of Publications by Year
in descending order

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41 papers	1,064 citations	471509 17 h-index	414414 32 g-index
42 all docs	42 docs citations	42 times ranked	1151 citing authors

#	Article	IF	Citations
1	A brief visit from a red and extremely elongated interstellar asteroid. Nature, 2017, 552, 378-381.	27.8	304
2	Non-gravitational acceleration in the trajectory of 1I/2017 U1 (â€˜Oumuamua). Nature, 2018, 559, 223-226.	27.8	138
3	Simultaneous radar and video meteorsâ€”II: Photometry and ionisation. Planetary and Space Science, 2013, 81, 32-47.	1.7	66
4	Simultaneous radar and video meteorsâ€”I: Metric comparisons. Planetary and Space Science, 2012, 62, 132-152.	1.7	59
5	CO-driven Activity in Comet C/2017 K2 (PANSTARRS). Astrophysical Journal Letters, 2017, 849, L8.	8.3	35
6	The orbit and size-frequency distribution of long period comets observed by Pan-STARRS1. Icarus, 2019, 333, 252-272.	2.5	34
7	The Sporadic Activity of (6478) Gault: A YORP-driven Event?. Astrophysical Journal Letters, 2019, 874, L20.	8.3	33
8	The Canadian Meteor Orbit Radar Meteor Stream Catalogue. Earth, Moon and Planets, 2008, 102, 209-219.	0.6	27
9	Meteorites from meteor showers: A case study of the Taurids. Meteoritics and Planetary Science, 2013, 48, 270-288.	1.6	27
10	The unexpected 2012 Draconid meteor storm. Monthly Notices of the Royal Astronomical Society, 2014, 437, 3812-3823.	4.4	27
11	Pre-discovery Activity of New Interstellar Comet 2I/Borisov beyond 5 au. Astronomical Journal, 2020, 159, 77.	4.7	27
12	Radar observations of the 2011 October Draconid outburst. Monthly Notices of the Royal Astronomical Society, 2013, 436, 675-689.	4.4	26
13	FRAGMENTATION KINEMATICS IN COMET 332P/IKEYAâ€“MURAKAMI. Astrophysical Journal Letters, 2016, 829, L8.	8.3	25
14	The Splitting of Double-component Active Asteroid P/2016 J1 (PANSTARRS). Astrophysical Journal Letters, 2017, 837, L3.	8.3	24
15	C/2014 UN₂₇₁ (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. Astrophysical Journal Letters, 2021, 921, L37.	8.3	21
16	Infrasonic Observations of Meteoroids: Preliminary Results from a Coordinated Optical-radar-infrasound Observing Campaign. Earth, Moon and Planets, 2008, 102, 221-229.	0.6	18
17	OSSOS. IV. DISCOVERY OF A DWARF PLANET CANDIDATE IN THE 9:2 RESONANCE WITH NEPTUNE. Astronomical Journal, 2016, 152, 212.	4.7	17
18	A Dwarf Planet Class Object in the 21:5 Resonance with Neptune. Astrophysical Journal Letters, 2018, 855, L6.	8.3	17

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19	Establishing Earthâ€™s Minimoon Population through Characterization of Asteroid 2020 CD₃. Astronomical Journal, 2020, 160, 277.	4.7	16
20	Precision Measurements of Radar Transverse Scattering Speeds From Meteor Phase Characteristics. Radio Science, 2020, 55, e2019RS006987.	1.6	11
21	A comparative study of radar and optical observations of meteor showers using SAAMER-OS and CAMS. Planetary and Space Science, 2020, 188, 104936.	1.7	11
22	Observations of an Unexpected Meteor Shower Outburst at High Ecliptic Southern Latitude and Its Potential Origin. Astrophysical Journal Letters, 2020, 895, L25.	8.3	11
23	Orbital stability analysis and photometric characterization of the second Earth Trojan asteroid 2020 XL5. Nature Communications, 2022, 13, 447.	12.8	10
24	THE PROGRESSIVE FRAGMENTATION OF 332P/IKEYAâ€“MURAKAMI. Astrophysical Journal Letters, 2016, 827, L26.	8.3	7
25	A Single-chord Stellar Occultation by the Extreme Trans-Neptunian Object (541132) LeleÄ¦kÅ«honua. Astronomical Journal, 2020, 159, 230.	4.7	7
26	Size and Shape of (11351) Leucus from Five Occultations. Planetary Science Journal, 2021, 2, 202.	3.6	7
27	Stellar Occultation by the Resonant Trans-Neptunian Object (523764) 2014 WC510 Reveals a Close Binary TNO. Planetary Science Journal, 2020, 1, 48.	3.6	7
28	The Pan-STARRS search for Near Earth Objects. Proceedings of the International Astronomical Union, 2015, 10, 293-298.	0.0	6
29	Precovery Observations Confirm the Capture Time of Asteroid 2020 CD3 as Earthâ€™s Minimoon. Astrophysical Journal Letters, 2021, 913, L6.	8.3	6
30	No Activity among 13 Centaurs Discovered in the Pan-STARRS1 Detection Database. Planetary Science Journal, 2021, 2, 155.	3.6	6
31	An Improved Method to Measure Head Echoes Using a Meteor Radar. Planetary Science Journal, 2021, 2, 197.	3.6	6
32	International Asteroid Warning Network Timing Campaign: 2019 XS. Planetary Science Journal, 2022, 3, 156.	3.6	6
33	Coordinated optical and radar measurements of low velocity meteors. Icarus, 2020, 352, 113975.	2.5	4
34	Apophis Planetary Defense Campaign. Planetary Science Journal, 2022, 3, 123.	3.6	4
35	The Sizes and Albedos of Centaurs 2014 YY₄₉ and 2013 NL₂₄ from Stellar Occultation Measurements by RECON. Planetary Science Journal, 2021, 2, 22.	3.6	3
36	Observation of the A Carinid Meteor Shower 2020 Unexpected Outburst. Planetary Science Journal, 2021, 2, 56.	3.6	3

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37	Regions of slow apparent motion of close approaching asteroids: The case of 2019 OK. Icarus, 2022, 373, 114735.	2.5	3
38	Characterizing the Manx Candidate A/2018 V3. Planetary Science Journal, 2021, 2, 33.	3.6	2
39	Possible Activity in 468861 (2013 LU28). Planetary Science Journal, 2022, 3, 34.	3.6	2
40	Using Precision Astrometry to Recover Near-Earth Object Candidates. , 2020, , .		1
41	The Pan-STARRS data archive - a treasure trove of moving object observations. , 2019, , .		0