

Marco Micheli

List of Publications by Year in descending order

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87
papers

2,619
citations

257450

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49
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docs citations

90
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	PRELIMINARY RESULTS FROM NEOWISE: AN ENHANCEMENT TO THE WIDE-FIELD INFRARED SURVEY EXPLORER FOR SOLAR SYSTEM SCIENCE. <i>Astrophysical Journal</i> , 2011, 731, 53.	4.5	604
2	A brief visit from a red and extremely elongated interstellar asteroid. <i>Nature</i> , 2017, 552, 378-381.	27.8	304
3	Non-gravitational acceleration in the trajectory of 1I/2017 U1 (1999 Oumuamua). <i>Nature</i> , 2018, 559, 223-226.	27.8	138
4	The Pan-STARRS Moving Object Processing System. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 357-395.	3.1	124
5	Yarkovsky-driven impact risk analysis for asteroid (99942) Apophis. <i>Icarus</i> , 2013, 224, 192-200.	2.5	85
6	Spitzer Observations of Interstellar Object 1I/1999 Oumuamua. <i>Astronomical Journal</i> , 2018, 156, 261.	4.7	80
7	Detection of CN Gas in Interstellar Object 2I/Borisov. <i>Astrophysical Journal Letters</i> , 2019, 885, L9.	8.3	60
8	2I/Borisov: A C ₂ -depleted interstellar comet. <i>Astronomy and Astrophysics</i> , 2019, 631, L8.	5.1	56
9	DISCOVERY OF MAIN-BELT COMET P/2006 VW ₁₃₉ BY Pan-STARRS1. <i>Astrophysical Journal Letters</i> , 2012, 748, L15.	8.3	49
10	The main-belt comets: The Pan-STARRS1 perspective. <i>Icarus</i> , 2015, 248, 289-312.	2.5	48
11	OBSERVATIONAL AND DYNAMICAL CHARACTERIZATION OF MAIN-BELT COMET P/2010 R2 (La Sagra). <i>Astronomical Journal</i> , 2012, 143, 104.	4.7	46
12	Inner solar system material discovered in the Oort cloud. <i>Science Advances</i> , 2016, 2, e1600038.	10.3	45
13	The Excited Spin State of 1I/2017 U1 1999 Oumuamua. <i>Astrophysical Journal Letters</i> , 2018, 856, L21.	8.3	41
14	Systematic ranging and late warning asteroid impacts. <i>Icarus</i> , 2015, 258, 18-27.	2.5	38
15	CO-driven Activity in Comet C/2017 K2 (PANSTARRS). <i>Astrophysical Journal Letters</i> , 2017, 849, L8.	8.3	35
16	The Sporadic Activity of (6478) Gault: A YORP-driven Event?. <i>Astrophysical Journal Letters</i> , 2019, 874, L20.	8.3	33
17	MAIN-BELT COMET P/2012 T1 (PANSTARRS). <i>Astrophysical Journal Letters</i> , 2013, 771, L1.	8.3	31
18	SUBLIMATION-DRIVEN ACTIVITY IN MAIN-BELT COMET 313P/GIBBS. <i>Astrophysical Journal Letters</i> , 2015, 800, L16.	8.3	30

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19	The 67P/Churyumovâ€™Gerasimenko observation campaign in support of the Rosetta mission. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160249.	3.4	29
20	THE 2011 JUNE 23 STELLAR OCCULTATION BY PLUTO: AIRBORNE AND GROUND OBSERVATIONS. Astronomical Journal, 2013, 146, 83.	4.7	28
21	DETERMINATION OF AN UPPER LIMIT FOR THE WATER OUTGASSING RATE OF MAIN-BELT COMET P/2012 T1 (PANSTARRS). Astrophysical Journal Letters, 2013, 774, L13.	8.3	27
22	Pre-discovery Activity of New Interstellar Comet 2I/Borisov beyond 5 au. Astronomical Journal, 2020, 159, 77.	4.7	27
23	Continued activity in P/2013 P5 PANSTARRS. Astronomy and Astrophysics, 2014, 563, A75.	5.1	27
24	Detection of radiation pressure acting on 2009 BD. New Astronomy, 2012, 17, 446-452.	1.8	25
25	FRAGMENTATION KINEMATICS IN COMET 332P/IKEYAâ€™MURAKAMI. Astrophysical Journal Letters, 2016, 829, L8.	8.3	25
26	Discovery of a young asteroid cluster associated with P/2012 F5 (Gibbs). Icarus, 2014, 231, 300-309.	2.5	24
27	The Splitting of Double-component Active Asteroid P/2016 J1 (PANSTARRS). Astrophysical Journal Letters, 2017, 837, L3.	8.3	24
28	Plausible Home Stars of the Interstellar Object â€™Oumuamua Found in Gaia DR2. Astronomical Journal, 2018, 156, 205.	4.7	23
29	GRASPING THE NATURE OF POTENTIALLY HAZARDOUS ASTEROIDS. Astronomical Journal, 2016, 151, 11.	4.7	21
30	C/2010 U3 (Boattini): A Bizarre Comet Active at Record Heliocentric Distance. Astronomical Journal, 2019, 157, 162.	4.7	21
31	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	1.6	21
32	2012 LA, an optimal astrometric target for radiation pressure detection. Icarus, 2013, 226, 251-255.	2.5	18
33	A Dwarf Planet Class Object in the 21:5 Resonance with Neptune. Astrophysical Journal Letters, 2018, 855, L6.	8.3	17
34	SEARCH FOR THE COMET ACTIVITY OF 107P/(4015) WILSON-HARRINGTON DURING THE 2009/2010 APPARITION. Astrophysical Journal, 2011, 726, 101.	4.5	16
35	Beginning of Activity in Long-period Comet C/2015 ER61 (PANSTARRS). Astronomical Journal, 2017, 153, 206.	4.7	16
36	A search for the origin of the interstellar comet 2I/Borisov. Astronomy and Astrophysics, 2020, 634, A14.	5.1	16

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37	Establishing Earth's Minimum Population through Characterization of Asteroid 2020 CD ₃ . <i>Astronomical Journal</i> , 2020, 160, 277.	4.7	16
38	RADIATION PRESSURE DETECTION AND DENSITY ESTIMATE FOR 2011 MD. <i>Astrophysical Journal Letters</i> , 2014, 788, L1.	8.3	15
39	Nongravitational perturbations and virtual impactors: the case of asteroid (410777) 2009 FD. <i>Astronomy and Astrophysics</i> , 2014, 572, A100.	5.1	15
40	Observational constraints on the catastrophic disruption rate of small main belt asteroids. <i>Icarus</i> , 2015, 245, 1-15.	2.5	15
41	The Unusual Apparition of Comet 252P/2000 G1 (LINEAR) and Comparison with Comet P/2016 BA ₁₄ (PanSTARRS). <i>Astronomical Journal</i> , 2017, 154, 136.	4.7	14
42	The 2016 Reactivations of the Main-belt Comets 238P/Read and 288P/(300163) 2006 VW ₁₃₉ *. <i>Astronomical Journal</i> , 2018, 156, 223.	4.7	14
43	Near-Earth asteroid 2012 TC4 observing campaign: Results from a global planetary defense exercise. <i>Icarus</i> , 2019, 326, 133-150.	2.5	14
44	First EURONEAR NEA discoveries from La Palma using the INT~.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1614-1624.	4.4	13
45	High precision comet trajectory estimates: The Mars flyby of C/2013 A1 (Siding Spring). <i>Icarus</i> , 2016, 266, 279-287.	2.5	13
46	Photometric survey of 67 near-Earth objects. <i>Astronomy and Astrophysics</i> , 2018, 615, A127.	5.1	13
47	Nucleus of the active Centaur C/2011 P2 (PANSTARRS). <i>Astronomy and Astrophysics</i> , 2017, 597, A59.	5.1	12
48	Improved astrometry of (99942) Apophis. <i>Acta Astronautica</i> , 2013, 90, 56-71.	3.2	11
49	Evidence for 2009 WN 25 being the parent body of the November i-Draconids (NID). <i>Icarus</i> , 2016, 267, 64-67.	2.5	11
50	High precision predictions for near-Earth asteroids: the strange case of (3908) Nyx. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2014, 119, 301-312.	1.4	10
51	High-fidelity comet 67P ephemeris and predictions based on Rosetta data. <i>Icarus</i> , 2021, 358, 114276.	2.5	10
52	(6478) Gault: physical characterization of an active main-belt asteroid. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 245-258.	4.4	10
53	Near-earth asteroid (66391) Moshup (1999 KW4) observing campaign: Results from a global planetary defense characterization exercise. <i>Icarus</i> , 2022, 374, 114790.	2.5	10
54	Orbital stability analysis and photometric characterization of the second Earth Trojan asteroid 2020 XL5. <i>Nature Communications</i> , 2022, 13, 447.	12.8	10

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55	The effect of proper motion on Pan-STARRS asteroid astrometry. <i>Icarus</i> , 2013, 223, 625-627.	2.5	8
56	Extended photometric survey of near-Earth objects. <i>Astronomy and Astrophysics</i> , 2020, 644, A23.	5.1	8
57	An ESA NEOCC Effort to Eliminate High Palermo Scale Virtual Impactors. <i>Earth, Moon and Planets</i> , 2014, 113, 1-13.	0.6	7
58	THE PROGRESSIVE FRAGMENTATION OF 332P/IKEYAâ€“MURAKAMI. <i>Astrophysical Journal Letters</i> , 2016, 827, L26.	8.3	7
59	523676 (2013 UL10): the first active red centaur. <i>Astronomy and Astrophysics</i> , 2018, 620, A93.	5.1	7
60	The Reactivation and Nucleus Characterization of Main-belt Comet 358P/PANSTARRS (P/2012 T1). <i>Astronomical Journal</i> , 2018, 156, 39.	4.7	7
61	Disintegration of active asteroid P/2016 G1 (PANSTARRS). <i>Astronomy and Astrophysics</i> , 2019, 628, A48.	5.1	7
62	Updated analysis of the dynamical relation between asteroid 2003 EH1 and comets C/1490 Y1 and C/1385 U1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008, 390, L6-L8.	3.3	6
63	YORP effect on real objects. <i>Astronomy and Astrophysics</i> , 2008, 490, 387-391.	5.1	6
64	The Pan-STARRS search for Near Earth Objects. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 293-298.	0.0	6
65	Precovery Observations Confirm the Capture Time of Asteroid 2020 CD3 as Earthâ€™s Minimoon. <i>Astrophysical Journal Letters</i> , 2021, 913, L6.	8.3	6
66	The similarity of the interstellar comet 2I/Borisov to Solar System comets from high-resolution optical spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 650, L19.	5.1	6
67	International Asteroid Warning Network Timing Campaign: 2019 XS. <i>Planetary Science Journal</i> , 2022, 3, 156.	3.6	6
68	Absolute magnitude and slope parameter G calibration of asteroid 25143 Itokawa. <i>Meteoritics and Planetary Science</i> , 2009, 44, 1849-1852.	1.6	5
69	Detectability of Chelyabinsk-like impactors with Pan-STARRS. <i>Icarus</i> , 2018, 303, 265-272.	2.5	4
70	Physical characterization of the deep-space debris WT1190F: A testbed for advanced SSA techniques. <i>Advances in Space Research</i> , 2019, 63, 371-393.	2.6	4
71	Yarkovsky effect detection and updated impact hazard assessment for near-Earth asteroid (410777) 2009 FD. <i>Astronomy and Astrophysics</i> , 2019, 627, L11.	5.1	4
72	Elimination of a virtual impactor of 2006 QV ₈₉ via deep non-detection. <i>Astronomy and Astrophysics</i> , 2021, 653, A124.	5.1	4

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73	A colour portrait of the interstellar comet 2I/Borisov. Planetary and Space Science, 2021, 208, 105341.	1.7	4
74	Recent formation and likely cometary activity of near-Earth asteroid pair 2019APR2â€“2019â€“QR6. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6033-6049.	4.4	4
75	Apophis Planetary Defense Campaign. Planetary Science Journal, 2022, 3, 123.	3.6	4
76	NEO follow-up, recovery and precovery campaigns at the ESA NEO Coordination Centre. Proceedings of the International Astronomical Union, 2015, 10, 274-281.	0.0	3
77	Regions of slow apparent motion of close approaching asteroids: The case of 2019 OK. Icarus, 2022, 373, 114735.	2.5	3
78	Search for meter-sized bodies in meteoroid streams. Icarus, 2015, 253, 142-148.	2.5	2
79	An efficient algorithm for prioritizing <scp>NEA</scp> physical observations. Meteoritics and Planetary Science, 2017, 52, 522-531.	1.6	2
80	The Puzzling Case of the Deep-Space Debris WT1190F: A Test Bed for Advanced SSA Techniques. Thirty Years of Astronomical Discovery With UKIRT, 2018, , 181-189.	0.3	2
81	The observing campaign on the deep-space debris WT1190F as a test case for short-warning NEO impacts. Icarus, 2018, 304, 4-8.	2.5	2
82	Physical characterization of 2009 WN25: exploring the link with November i-Draconids meteor shower. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2335-2339.	4.4	2
83	Characterizing the Manx Candidate A/2018 V3. Planetary Science Journal, 2021, 2, 33.	3.6	2
84	Possible Activity in 468861 (2013 LU28). Planetary Science Journal, 2022, 3, 34.	3.6	2
85	Removal of virtual impactor solutions with precovery data: The case study of 2017â€“OX2. Icarus, 2019, 317, 39-43.	2.5	1
86	Physical characterization of the near-Earth object population. European Physical Journal Plus, 2017, 132, 1.	2.6	0
87	Optical observations of the BepiColombo spacecraft as a proxy for a potential threatening asteroid. Acta Astronautica, 2021, 184, 251-258.	3.2	0