Adriano Campo Bagatin

List of Publications by Year
in descending order

39	1,772	279798 23	315739 38
papers	citations	h-index	g-index

42	42	42	1757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orbital stability analysis and photometric characterization of the second Earth Trojan asteroid 2020 XL5. Nature Communications, 2022, 13, 447.	12.8	10
2	Collisional evolution of the trans-Neptunian region in an early dynamical instability scenario. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4876-4893.	4.4	3
3	The ESA Hera Mission: Detailed Characterization of the DART Impact Outcome and of the Binary Asteroid (65803) Didymos. Planetary Science Journal, 2022, 3, 160.	3.6	82
4	Predictions for the Dynamical States of the Didymos System before and after the Planned DART Impact. Planetary Science Journal, 2022, 3, 157.	3.6	23
5	Gravitational re-accumulation as the origin of most contact binaries and other small body shapes. Icarus, 2020, 339, 113603.	2.5	13
6	The large trans-Neptunian object 2002 TC₃₀₂from combined stellar occultation, photometry, and astrometry data. Astronomy and Astrophysics, 2020, 639, A134.	5.1	13
7	Small Solar System Bodies as granular media. Astronomy and Astrophysics Review, 2019, 27, 1.	25.5	31
8	European component of the AIDA mission to a binary asteroid: Characterization and interpretation of the impact of the DART mission. Advances in Space Research, 2018, 62, 2261-2272.	2.6	118
9	Internal structure of asteroid gravitational aggregates. Icarus, 2018, 302, 343-359.	2.5	11
10	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. Nature, 2017, 550, 219-223.	27.8	179
11	Small solar system bodies as granular systems. EPJ Web of Conferences, 2017, 140, 14011.	0.3	1
12	Science case for the Asteroid Impact Mission (AIM): A component of the Asteroid Impact & Deflection Assessment (AIDA) mission. Advances in Space Research, 2016, 57, 2529-2547.	2.6	95
13	On the genesis of the Haumea system. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2060-2067.	4.4	8
14	Possible ring material around centaur (2060) Chiron. Astronomy and Astrophysics, 2015, 576, A18.	5.1	92
15	The shapes of fragments from catastrophic disruption events: Effects of target shape and impact speed. Planetary and Space Science, 2015, 107, 77-83.	1.7	26
16	The Collisional Evolution of the Main Asteroid Belt. , 2015, , .		23
17	Statistics of encounters in the trans-Neptunian region. Astronomy and Astrophysics, 2013, 558, A95.	5.1	25
18	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, 2012, 491, 566-569.	27.8	95

#	Article	IF	Citations
19	MarcoPolo-R near earth asteroid sample return mission. Experimental Astronomy, 2012, 33, 645-684.	3.7	72
20	Rotational fission of trans-Neptunian objects: the case of Haumea. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2315-2324.	4.4	41
21	Collisional evolution of trans-Neptunian object populations in a Nice model environment. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1254-1266.	4.4	24
22	Short-term variability of 10 trans-Neptunian objects. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3156-3177.	4.4	21
23	THE CANADA-FRANCE ECLIPTIC PLANE SURVEYâ€"FULL DATA RELEASE: THE ORBITAL STRUCTURE OF THE KUIPER BELT. Astronomical Journal, 2011, 142, 131.	4.7	207
24	THE CANADA-FRANCE ECLIPTIC PLANE SURVEYâ€"L3 DATA RELEASE: THE ORBITAL STRUCTURE OF THE KUIPER BELT. Astronomical Journal, 2009, 137, 4917-4935.	4.7	78
25	Collisional evolution of Trans-Neptunian populations: Effects of fragmentation physics and estimates of the abundances of gravitational aggregates. Planetary and Space Science, 2009, 57, 201-215.	1.7	32
26	The Extreme Kuiper Belt Binary 2001 QW ₃₂₂. Science, 2008, 322, 432-434.	12.6	39
27	The CFEPS Kuiper Belt Survey: Strategy and presurvey results. Icarus, 2006, 185, 508-522.	2.5	44
28	GRBâ€‰021004 modelled by multiple energy injections. Astronomy and Astrophysics, 2005, 443, 841-849.	5.1	50
29	Yarkovsky depletion and asteroid collisional evolution. Planetary and Space Science, 2004, 52, 1087-1091.	1.7	3
30	Asteroids and Comets: Monoliths or Gravitational Aggregates?. , 2003, , 353-356.		0
31	Multifractal Fits to the Observed Main Belt Asteroid Distribution. Icarus, 2002, 157, 549-553.	2.5	5
32	Effects of the Geometric Constraints on the Size Distributions of Debris in Asteroidal Fragmentation. Icarus, 2001, 149, 210-221.	2.5	14
33	How Many Rubble Piles Are in the Asteroid Belt?. Icarus, 2001, 149, 198-209.	2.5	32
34	Collisional reaccumulation of asteroids. International Astronomical Union Colloquium, 1999, 173, 145-152.	0.1	0
35	Earth cratering record and impact energy flux in the last 150 Ma. Planetary and Space Science, 1998, 46, 271-281.	1.7	52
36	Collisional Evolution of Trojan Asteroidsâ˜†. Icarus, 1997, 125, 39-49.	2.5	52

#	Article	IF	Citations
37	Wavy size distributions for collisional systems with a small-size cutoff. Planetary and Space Science, 1994, 42, 1079-1092.	1.7	127
38	Fragment ejection velocities and the collisional evolution of asteroids. Planetary and Space Science, 1994, 42, 1099-1107.	1.7	27
39	Collisional Evolution of the Asteroid Size Distribution: A Numerical Simulation. , 1993, , 403-404.		0