Chadwick A Trujillo

List of Publications by Year
in descending order

57	3,210	172457 29	168389 53
papers	citations	h-index	g-index

58	58	58	1873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Reactivation of Main-belt Comet 259P/Garradd (P/2008 R1). Planetary Science Journal, 2021, 2, 62.	3.6	3
2	(6478) Gault: physical characterization of an active main-belt asteroid. Monthly Notices of the Royal Astronomical Society, 2021, 505, 245-258.	4.4	10
3	Outer Solar System Perihelion Gap Formation through Interactions with a Hypothetical Distant Giant Planet. Astronomical Journal, 2021, 162, 39.	4.7	7
4	Recurrent Activity from Active Asteroid (248370) 2005 QN₁₇₃: A Main-belt Comet. Astrophysical Journal Letters, 2021, 922, L8.	8.3	15
5	Physical Characterization of Main-belt Comet (248370) 2005 QN₁₇₃. Astrophysical Journal Letters, 2021, 922, L9.	8.3	12
6	Observational constraints on an undiscovered giant planet in our solar system. , 2020, , 79-105.		6
7	Cometary Activity Discovered on a Distant Centaur: A Nonaqueous Sublimation Mechanism. Astrophysical Journal Letters, 2020, 892, L38.	8.3	20
8	Six Years of Sustained Activity in (6478) Gault. Astrophysical Journal Letters, 2019, 877, L12.	8.3	31
9	A New High Perihelion Trans-Plutonian Inner Oort Cloud Object: 2015 TG387. Astronomical Journal, 2019, 157, 139.	4.7	46
10	The 2016 Reactivations of the Main-belt Comets 238P/Read and 288P/(300163) 2006 VW₁₃₉*. Astronomical Journal, 2018, 156, 223.	4.7	14
11	SAFARI: Searching Asteroids for Activity Revealing Indicators. Publications of the Astronomical Society of the Pacific, 2018, 130, 114502.	3.1	27
12	The Reactivation and Nucleus Characterization of Main-belt Comet 358P/PANSTARRS (P/2012 T1). Astronomical Journal, 2018, 156, 39.	4.7	7
13	New Jupiter Satellites and Moon-Moon Collisions. Research Notes of the AAS, 2018, 2, 155.	0.7	7
14	All planetesimals born near the Kuiper belt formed as binaries. Nature Astronomy, 2017, 1, .	10.1	63
15	Implications for Planetary System Formation from Interstellar Object 1I/2017 U1 (â€˜Oumuamua). Astrophysical Journal Letters, 2017, 850, L38.	8.3	73
16	NEW EXTREME TRANS-NEPTUNIAN OBJECTS: TOWARD A SUPER-EARTH IN THE OUTER SOLAR SYSTEM. Astronomical Journal, 2016, 152, 221.	4.7	84
17	Real-time implementation of an LQG tip-tilt controller for regular science observation on GeMS. Proceedings of SPIE, 2016, , .	0.8	1
18	Reshaping and polishing the GeMS MCAO system. , 2016, , .		1

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19	BEYOND THE KUIPER BELT EDGE: NEW HIGH PERIHELION TRANS-NEPTUNIAN OBJECTS WITH MODERATE SEMIMAJOR AXES AND ECCENTRICITIES. Astrophysical Journal Letters, 2016, 825, L13.	8.3	29
20	NGS2: a focal plane array upgrade for the GeMS multiple tip-tilt wavefront sensor. Proceedings of SPIE, 2016, , .	0.8	2
21	DISCOVERY AND CHARACTERISTICS OF THE RAPIDLY ROTATING ACTIVE ASTEROID (62412) 2000 SY178 IN THE MAIN BELT. Astronomical Journal, 2015, 149, 44.	4.7	26
22	Global near-IR maps from Gemini-N and Keck in 2010, with a special focus on Janus Patera and Kanehekili Fluctus. Icarus, 2014, 242, 379-395.	2.5	23
23	Life with quintuplets: transitioning GeMS into regular operations. , 2014, , .		0
24	Gemini multiconjugate adaptive optics system review â€“ II. Commissioning, operation and overall performance. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1002-1019.	4.4	89
25	SEARCH FOR THE RETURN OF ACTIVITY IN ACTIVE ASTEROID 176P/LINEAR. Astronomical Journal, 2014, 147, 89.	4.7	11
26	A Sedna-like body with a perihelion of 80 astronomical units. Nature, 2014, 507, 471-474.	27.8	263
27	Kuiper Belt Occultation Predictions. Publications of the Astronomical Society of the Pacific, 2013, 125, 1000-1014.	3.1	5
28	LIMITS ON QUAOAR'S ATMOSPHERE. Astrophysical Journal Letters, 2013, 774, L18.	8.3	8
29	2007 TY430: A COLD CLASSICAL KUIPER BELT TYPE BINARY IN THE PLUTINO POPULATION. Astronomical Journal, 2012, 143, 58.	4.7	22
30	Science readiness of the Gemini MCAO system: GeMS. , 2012, , .		2
31	DISCOVERY OF MAIN-BELT COMET P/2006 VW₁₃₉BY Pan-STARRS1. Astrophysical Journal Letters, 2012, 748, L15.	8.3	49
32	A PHOTOMETRIC SYSTEM FOR DETECTION OF WATER AND METHANE ICES ON KUIPER BELT OBJECTS. Astrophysical Journal, 2011, 730, 105.	4.5	27
33	A SOUTHERN SKY AND GALACTIC PLANE SURVEY FOR BRIGHT KUIPER BELT OBJECTS. Astronomical Journal, 2011, 142, 98.	4.7	32
34	THE SIZE DISTRIBUTION OF THE NEPTUNE TROJANS AND THE MISSING INTERMEDIATE-SIZED PLANETESIMALS. Astrophysical Journal Letters, 2010, 723, L233-L237.	8.3	53
35	Detection of a Trailing (L5) Neptune Trojan. Science, 2010, 329, 1304-1304.	12.6	28
36	A survey for satellites of Venus. Icarus, 2009, 202, 12-16.	2.5	9

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37	The Surface of 2003 EL61in the Nearâ€Infrared. Astrophysical Journal, 2007, 655, 1172-1178.	4.5	76
38	Nearâ€Infrared Spectroscopy of Charon: Possible Evidence for Cryovolcanism on Kuiper Belt Objects. Astrophysical Journal, 2007, 663, 1406-1419.	4.5	126
39	Photometric Observations Constraining the Size, Shape, and Albedo of 2003 EL61, a Rapidly Rotating, Plutoâ€sized Object in the Kuiper Belt. Astrophysical Journal, 2006, 639, 1238-1251.	4.5	152
40	Dissipation of Titan's south polar clouds. Icarus, 2006, 184, 517-523.	2.5	74
41	A Thick Cloud of Neptune Trojans and Their Colors. Science, 2006, 313, 511-514.	12.6	116
42	Nearâ€Infrared Surface Properties of the Two Intrinsically Brightest Minor Planets: (90377) Sedna and (90482) Orcus. Astrophysical Journal, 2005, 627, 1057-1065.	4.5	39
43	Geographic Control of Titan's Mid-Latitude Clouds. Science, 2005, 310, 477-479.	12.6	75
44	Discovery of a Candidate Inner Oort Cloud Planetoid. Astrophysical Journal, 2004, 617, 645-649.	4.5	225
45	Direct Measurement of the Size of the Large Kuiper Belt Object (50000) Quaoar. Astronomical Journal, 2004, 127, 2413-2417.	4.7	67
46	A Correlation between Inclination and Color in the Classical Kuiper Belt. Astrophysical Journal, 2002, 566, L125-L128.	4.5	138
47	The Radial Distribution of the Kuiper Belt. Astrophysical Journal, 2001, 554, L95-L98.	4.5	119
48	Properties of the Trans-Neptunian Belt: Statistics from the Canada-France-Hawaii Telescope Survey. Astronomical Journal, 2001, 122, 457-473.	4.7	193
49	Large Bodies in the Kuiper Belt. Astronomical Journal, 2001, 122, 2740-2748.	4.7	43
50	Population of the Scattered Kuiper Belt. Astrophysical Journal, 2000, 529, L103-L106.	4.5	68
51	Water Ice in 2060 Chiron and Its Implications for Centaurs and Kuiper Belt Objects. Astrophysical Journal, 2000, 531, L151-L154.	4.5	76
52	Population and Size Distribution of Small Jovian Trojan Asteroids. Astronomical Journal, 2000, 120, 1140-1147.	4.7	151
53	A Wide-Field CCD Survey for Centaurs and Kuiper Belt Objects. Astronomical Journal, 2000, 120, 2687-2694.	4.7	51
54	A Semiautomated Sky Survey for Slow-moving Objects Suitable for a Pluto Express Mission Encounter. Astronomical Journal, 1998, 115, 1680-1687.	4.7	26

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55	Large Kuiper Belt Objects: The Mauna Kea 8K CCD Survey. Astronomical Journal, 1998, 115, 2125-2135.	4.7	160
56	A new dynamical class of object in the outer Solar System. Nature, 1997, 387, 573-575.	27.8	123
57	Simulations of Bias Effects in Kuiper Belt Surveys. , 0, , 109-115.		3