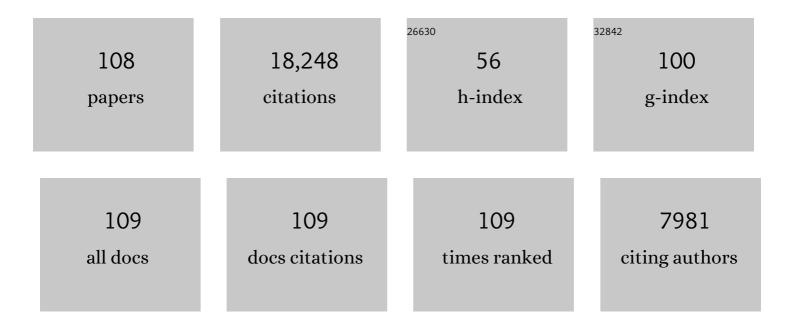
Harold F Levison

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Lucy Mission to the Trojan Asteroids: Science Goals. Planetary Science Journal, 2021, 2, 171.	3.6	54
2	The Orbit and Density of the Jupiter Trojan Satellite System Eurybates–Queta. Planetary Science Journal, 2021, 2, 170.	3.6	10
3	Lucy Mission to the Trojan Asteroids: Instrumentation and Encounter Concept of Operations. Planetary Science Journal, 2021, 2, 172.	3.6	21
4	Size and Shape of (11351) Leucus from Five Occultations. Planetary Science Journal, 2021, 2, 202.	3.6	7
5	Very Slow Rotators from Tidally Synchronized Binaries. Astrophysical Journal Letters, 2020, 893, L16.	8.3	9
6	Collisional Evolution of Meter- to Kilometer-sized Planetesimals in Mean Motion Resonances: Implications for Inward Planet Shepherding. Astrophysical Journal, 2020, 890, 170.	4.5	4
7	Convex Shape and Rotation Model of Lucy Target (11351) Leucus from Lightcurves and Occultations. Planetary Science Journal, 2020, 1, 73.	3.6	11
8	Energy Dissipation in Large Collisions—No Change in Planet Formation Outcomes. Astrophysical Journal, 2019, 876, 103.	4.5	21
9	Planetesimals to terrestrial planets: Collisional evolution amidst a dissipating gas disk. Icarus, 2019, 329, 88-100.	2.5	44
10	Evidence for very early migration of the Solar System planets from the Patroclus–Menoetius binary Jupiter Trojan. Nature Astronomy, 2018, 2, 878-882.	10.1	104
11	Opportunities for the Large Synoptic Survey Telescope to Find New L ₅ Trojan and Hilda Lucy Encounter Targets. Research Notes of the AAS, 2018, 2, 159.	0.7	1
12	Origin and Evolution of Short-period Comets. Astrophysical Journal, 2017, 845, 27.	4.5	106
13	Timing of the formation and migration of giant planets as constrained by CB chondrites. Science Advances, 2016, 2, e1601658.	10.3	38
14	TERRESTRIAL PLANET FORMATION FROM AN ANNULUS. Astronomical Journal, 2016, 152, 68.	4.7	63
15	SIZE AND SHAPE FROM STELLAR OCCULTATION OBSERVATIONS OF THE DOUBLE JUPITER TROJAN PATROCLUS AND MENOETIUS. Astronomical Journal, 2015, 149, 113.	4.7	35
16	FORMATION AND EVOLUTION OF PLUTO'S SMALL SATELLITES. Astronomical Journal, 2015, 150, 11.	4.7	40
17	Growing the terrestrial planets from the gradual accumulation of submeter-sized objects. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14180-14185.	7.1	142
18	Growing the gas-giant planets by the gradual accumulation of pebbles. Nature, 2015, 524, 322-324.	27.8	208

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19	Kuiper Belt. , 2014, , 925-939.		1
20	Planetesimal-driven migration of terrestrial planet embryos. Icarus, 2014, 232, 118-132.	2.5	26
21	LIPAD Simulations of Giant Planet Core Formation. Proceedings of the International Astronomical Union, 2013, 8, 171-172.	0.0	0
22	A LAGRANGIAN INTEGRATOR FOR PLANETARY ACCRETION AND DYNAMICS (LIPAD). Astronomical Journal, 2012, 144, 119.	4.7	44
23	An Archaean heavy bombardment from a destabilized extension of the asteroid belt. Nature, 2012, 485, 78-81.	27.8	345
24	Planetesimal-driven planet migration in the presence of a gas disk. Icarus, 2011, 211, 819-831.	2.5	43
25	OBSERVED BINARY FRACTION SETS LIMITS ON THE EXTENT OF COLLISIONAL GRINDING IN THE KUIPER BELT. Astronomical Journal, 2011, 141, 159.	4.7	50
26	LATE ORBITAL INSTABILITIES IN THE OUTER PLANETS INDUCED BY INTERACTION WITH A SELF-GRAVITATING PLANETESIMAL DISK. Astronomical Journal, 2011, 142, 152.	4.7	204
27	COMETARY ORIGIN OF THE ZODIACAL CLOUD AND CARBONACEOUS MICROMETEORITES. IMPLICATIONS FOR HOT DEBRIS DISKS. Astrophysical Journal, 2010, 713, 816-836.	4.5	422
28	MODELING THE FORMATION OF GIANT PLANET CORES. I. EVALUATING KEY PROCESSES. Astronomical Journal, 2010, 139, 1297-1314.	4.7	125
29	Capture of the Sun's Oort Cloud from Stars in Its Birth Cluster. Science, 2010, 329, 187-190.	12.6	136
30	EVIDENCE FROM THE ASTEROID BELT FOR A VIOLENT PAST EVOLUTION OF JUPITER'S ORBIT. Astronomical Journal, 2010, 140, 1391-1401.	4.7	192
31	Asteroids were born big. Icarus, 2009, 204, 558-573.	2.5	424
32	The history of the Solar system's debris disc: observable properties of the Kuiper belt. Monthly Notices of the Royal Astronomical Society, 2009, 399, 385-398.	4.4	98
33	Contamination of the asteroid belt by primordial trans-Neptunian objects. Nature, 2009, 460, 364-366.	27.8	250
34	Simulations of planet migration driven by planetesimal scattering. Icarus, 2009, 199, 197-209.	2.5	94
35	Considerations on the magnitude distributions of the Kuiper belt and of the Jupiter Trojans. Icarus, 2009, 202, 310-315.	2.5	55
36	A SEARCH FOR MULTI-PLANET SYSTEMS USING THE HOBBY-EBERLY TELESCOPE. Astrophysical Journal, Supplement Series, 2009, 182, 97-119.	7.7	93

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37	Evidence for two populations of classical transneptunian objects: The strong inclination dependence of classical binaries. Icarus, 2008, 194, 758-768.	2.5	132
38	Origin of the structure of the Kuiper belt during a dynamical instability in the orbits of Uranus and Neptune. Icarus, 2008, 196, 258-273.	2.5	385
39	IRREGULAR SATELLITE CAPTURE BY EXCHANGE REACTIONS. Astronomical Journal, 2008, 136, 1463-1476.	4.7	39
40	ON A SCATTERED-DISK ORIGIN FOR THE 2003 EL ₆₁ COLLISIONAL FAMILY—AN EXAMPLE OF THE IMPORTANCE OF COLLISIONS ON THE DYNAMICS OF SMALL BODIES. Astronomical Journal, 2008, 136, 1079-1088.	4.7	51
41	Dynamical and Observational Constraints on Additional Planets in Highly Eccentric Planetary Systems. Astronomical Journal, 2007, 134, 1276-1284.	4.7	26
42	Dynamics of the Giant Planets of the Solar System in the Gaseous Protoplanetary Disk and Their Relationship to the Current Orbital Architecture. Astronomical Journal, 2007, 134, 1790-1798.	4.7	268
43	Kuiper Belt: Dynamics. , 2007, , 589-604.		1
44	Models of the collisional damping scenario for ice-giant planets and Kuiper belt formation. Icarus, 2007, 189, 196-212.	2.5	38
45	Can planetesimals left over from terrestrial planet formation produce the lunar Late Heavy Bombardment?. Icarus, 2007, 190, 203-223.	2.5	119
46	On the origin of the unusual orbit of Comet 2P/Encke. Icarus, 2006, 182, 161-168.	2.5	77
47	Terrestrial planet formation with strong dynamical friction. Icarus, 2006, 184, 39-58.	2.5	372
48	The scattered disk as a source of Halley-type comets. Icarus, 2006, 184, 619-633.	2.5	80
49	Discovery of a binary Centaur. Icarus, 2006, 184, 611-618.	2.5	28
50	Effects of Type I Migration on Terrestrial Planet Formation. Astronomical Journal, 2005, 130, 2884-2899.	4.7	74
51	The fossilized size distribution of the main asteroid belt. Icarus, 2005, 175, 111-140.	2.5	479
52	Linking the collisional history of the main asteroid belt to its dynamical excitation and depletion. Icarus, 2005, 179, 63-94.	2.5	394
53	Origin of the orbital architecture of the giant planets of the Solar System. Nature, 2005, 435, 459-461.	27.8	1,186
54	Origin of the cataclysmic Late Heavy Bombardment period of the terrestrial planets. Nature, 2005, 435, 466-469.	27.8	1,444

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55	Impact Seeding and Reseeding in the Inner Solar System. Astrobiology, 2005, 5, 483-496.	3.0	62
56	A scattered Uranus and Neptune, and implications for the asteroid belt. Symposium - International Astronomical Union, 2004, 202, 241-243.	0.1	0
57	Planetary migration in a planetesimal disk: why did Neptune stop at 30 AU?. Icarus, 2004, 170, 492-507.	2.5	197
58	Scenarios for the Origin of the Orbits of the Trans-Neptunian Objects 2000 CR105and 2003 VB12(Sedna). Astronomical Journal, 2004, 128, 2564-2576.	4.7	184
59	Sculpting the Kuiper Belt by a Stellar Encounter: Constraints from the Oort Cloud and Scattered Disk. Astronomical Journal, 2004, 128, 2553-2563.	4.7	35
60	Interaction of planetesimals with the giant planets and the shaping of the trans-Neptunian belt. Proceedings of the International Astronomical Union, 2004, 2004, 303-316.	0.0	0
61	Oort Cloud Formation and Dynamics. , 2004, , 153-174.		110
62	Cratering rates in the outer Solar System. Icarus, 2003, 163, 263-289.	2.5	497
63	The formation of the Kuiper belt by the outward transport of bodies during Neptune's migration. Nature, 2003, 426, 419-421.	27.8	202
64	Orbital and Collisional Evolution of the Irregular Satellites. Astronomical Journal, 2003, 126, 398-429.	4.7	173
65	The Role of Giant Planets in Terrestrial Planet Formation. Astronomical Journal, 2003, 125, 2692-2713.	4.7	92
66	Recent Origin of the Solar System Dust Bands. Astrophysical Journal, 2003, 591, 486-497.	4.5	150
67	The USNO-B Catalog. Astronomical Journal, 2003, 125, 984-993.	4.7	1,832
68	Regarding the Putative Eccentricity of Charon's Orbit. Astronomical Journal, 2003, 125, 902-905.	4.7	13
69	The Mass Disruption of Oort Cloud Comets. Science, 2002, 296, 2212-2215.	12.6	82
70	Regarding the Criteria for Planethood and Proposed Planetary Classification Schemes. Highlights of Astronomy, 2002, 12, 205-213.	0.0	27
71	Debiased Orbital and Absolute Magnitude Distribution of the Near-Earth Objects. Icarus, 2002, 156, 399-433.	2.5	605
72	The recent breakup of an asteroid in the main-belt region. Nature, 2002, 417, 720-721.	27.8	243

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73	On the Size Dependence of the Inclination Distribution of the Main Kuiper Belt. Astronomical Journal, 2001, 121, 1730-1735.	4.7	133
74	The Origin of Halley-Type Comets: Probing the Inner Oort Cloud. Astronomical Journal, 2001, 121, 2253-2267.	4.7	136
75	Could the Lunar "Late Heavy Bombardment―Have Been Triggered by the Formation of Uranus and Neptune?. Icarus, 2001, 151, 286-306.	2.5	159
76	Cometary Dynamics. Astrophysics and Space Science Library, 2001, , 73-90.	2.7	0
77	Planetary Impact Rates from Ecliptic Comets. Icarus, 2000, 143, 415-420.	2.5	85
78	A New Observational Search for Vulcanoids in SOHO/LASCO Coronagraph Images. Icarus, 2000, 148, 312-315.	2.5	18
79	Symplectically Integrating Close Encounters with the Sun. Astronomical Journal, 2000, 120, 2117-2123.	4.7	70
80	Evolution of a Terrestrial Multiple-Moon System. Astronomical Journal, 1999, 117, 603-620.	4.7	65
81	The formation of Uranus and Neptune in the Jupiter–Saturn region of the Solar System. Nature, 1999, 402, 635-638.	27.8	261
82	On the Character and Consequences of Large Impacts in the Late Stage of Terrestrial Planet Formation. Icarus, 1999, 142, 219-237.	2.5	375
83	Cratering Rates on the Galilean Satellites. Icarus, 1998, 136, 202-222.	2.5	232
84	A Multiple Time Step Symplectic Algorithm for Integrating Close Encounters. Astronomical Journal, 1998, 116, 2067-2077.	4.7	467
85	Modeling the Diversity of Outer Planetary Systems. Astronomical Journal, 1998, 116, 1998-2014.	4.7	123
86	The Calibration of the [ITAL]Hubble Space Telescope[/ITAL] Kuiper Belt Object Search:Setting the Record Straight. Astrophysical Journal, 1998, 503, L89-L93.	4.5	10
87	Origin and Evolution of the Unusual Object 1996 PW: Asteroids from the Oort Cloud?. Astrophysical Journal, 1997, 488, L133-L136.	4.5	49
88	A Disk of Scattered Icy Objects and the Origin of Jupiter-Family Comets. Science, 1997, 276, 1670-1672.	12.6	413
89	Dynamical Lifetimes of Objects Injected into Asteroid Belt Resonances. Science, 1997, 277, 197-201.	12.6	399
90	Dynamical evolution of Jupiter's Trojan asteroids. Nature, 1997, 385, 42-44.	27.8	139

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91	From the Kuiper Belt to Jupiter-Family Comets: The Spatial Distribution of Ecliptic Comets. Icarus, 1997, 127, 13-32.	2.5	551
92	Bending Instabilities in Homogenous Oblate Spheroidal Galaxy Models. Astrophysical Journal, 1997, 489, 49-62.	4.5	1
93	Possible Origin and Early Dynamical Evolution of the Pluto-Charon Binary. Icarus, 1995, 116, 315-339.	2.5	25
94	The Dynamical Evolution of Lunar Impact Ejecta. Icarus, 1995, 118, 302-321.	2.5	87
95	The Dynamical Structure of the Kuiper Belt. Astronomical Journal, 1995, 110, 3073.	4.7	238
96	The Discovery of Halley-sized Kuiper Belt Objects Using the Hubble Space Telescope. Astrophysical Journal, 1995, 455, 342.	4.5	66
97	The Long-Term Dynamical Behavior of Short-Period Comets. Icarus, 1994, 108, 18-36.	2.5	778
98	Dynamical and Observational Constraints on Satellites in the Inner Pluto-Charon System. Icarus, 1994, 108, 234-242.	2.5	22
99	Secular resonances and cometary orbits in the \hat{I}^2 Pictoris system. Nature, 1994, 372, 441-444.	27.8	20
100	The Long-Term Dynamical Behavior of Small Bodies in the Kuiper Belt. Symposium - International Astronomical Union, 1992, 152, 275-279.	0.1	0
101	The long-term dynamical behavior of small bodies in the Kuiper belt. Astronomical Journal, 1991, 102, 787.	4.7	18
102	A search for proto-comets in the outer regions of the solar system. Astronomical Journal, 1990, 100, 1669.	4.7	45
103	Dynamical instabilities in axisymmetric stellar systems. I - Oblate E6 models. Astrophysical Journal, 1990, 363, 66.	4.5	6
104	Dynamical models of highly flattened oblate elliptical galaxies with De Vaucouleurs' surface-brightness profiles. Astronomical Journal, 1989, 97, 57.	4.7	4
105	A highly triaxial N-body system tumbling about is intermediate axis. Astrophysical Journal, 1989, 339, L17.	4.5	2
106	Triaxial scale-free models of highly flattened elliptical galaxies with and without massive halos. Astrophysical Journal, 1987, 314, 476.	4.5	21
107	Observable properties of E0 triaxial galaxies - A test for triaxiality. Astrophysical Journal, 1987, 320, L93.	4.5	10
108	Triaxial Scale-Free Models of Highly Flattened Elliptical Galaxies with Massive Halos. , 1987, , 499-500.		0

108 Triaxial Scale-Free Models of Highly Flattened Elliptical Galaxies with Massive Halos. , 1987, , 499-500.