

Scott G Tremaine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2528080/publications.pdf>

Version: 2024-02-01

222
papers

38,931
citations

4641

85
h-index

3257

185
g-index

226
all docs

226
docs citations

226
times ranked

12444
citing authors

#	ARTICLE	IF	CITATIONS
1	The Demography of Massive Dark Objects in Galaxy Centers. <i>Astronomical Journal</i> , 1998, 115, 2285-2305.	1.9	3,145
2	A Relationship between Nuclear Black Hole Mass and Galaxy Velocity Dispersion. <i>Astrophysical Journal</i> , 2000, 539, L13-L16.	1.6	3,004
3	The Slope of the Black Hole Mass versus Velocity Dispersion Correlation. <i>Astrophysical Journal</i> , 2002, 574, 740-753.	1.6	2,149
4	Disk-satellite interactions. <i>Astrophysical Journal</i> , 1980, 241, 425.	1.6	1,293
5	THE M_{BH} AND $M_{\text{BH}}-L_{\text{IR}}$ RELATIONS IN GALACTIC BULGES, AND DETERMINATIONS OF THEIR INTRINSIC SCATTER. <i>Astrophysical Journal</i> , 2009, 698, 198-221.	1.6	1,220
6	Shrinking Binary and Planetary Orbits by Kozai Cycles with Tidal Friction. <i>Astrophysical Journal</i> , 2007, 669, 1298-1315.	1.6	1,087
7	Ultralight scalars as cosmological dark matter. <i>Physical Review D</i> , 2017, 95, .	1.6	1,055
8	Observational constraints on growth of massive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 965-976.	1.6	750
9	Dynamical Role of Light Neutral Leptons in Cosmology. <i>Physical Review Letters</i> , 1979, 42, 407-410.	2.9	745
10	The excitation of density waves at the Lindblad and corotation resonances by an external potential. <i>Astrophysical Journal</i> , 1979, 233, 857.	1.6	686
11	The Centers of Early-Type Galaxies with HST. IV. Central Parameter Relations.. <i>Astronomical Journal</i> , 1997, 114, 1771.	1.9	635
12	The Centers of Early-Type Galaxies with HST.I.An Observational Survey. <i>Astronomical Journal</i> , 1995, 110, 2622.	1.9	511
13	Dynamical Origin of Extrasolar Planet Eccentricity Distribution. <i>Astrophysical Journal</i> , 2008, 686, 603-620.	1.6	430
14	Black Hole Mass Estimates from Reverberation Mapping and from Spatially Resolved Kinematics. <i>Astrophysical Journal</i> , 2000, 543, L5-L8.	1.6	393
15	The formation and extent of the solar system comet cloud. <i>Astronomical Journal</i> , 1987, 94, 1330.	1.9	381
16	Chaotic variations in the eccentricity of the planet orbiting 16 Cygni B. <i>Nature</i> , 1997, 386, 254-256.	18.7	356
17	THE BLACK HOLE MASS IN M87 FROM GEMINI/NIFS ADAPTIVE OPTICS OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 729, 119.	1.6	353
18	Symmetric multistep methods for the numerical integration of planetary orbits. <i>Astronomical Journal</i> , 1990, 100, 1694.	1.9	347

#	ARTICLE	IF	CITATIONS
19	The Masses of Nuclear Black Holes in Luminous Elliptical Galaxies and Implications for the Space Density of the Most Massive Black Holes. <i>Astrophysical Journal</i> , 2007, 662, 808-834.	1.6	345
20	The formation of the nuclei of galaxies. I - M31. <i>Astrophysical Journal</i> , 1975, 196, 407.	1.6	344
21	The Dynamics of Planetary Rings. <i>Annual Review of Astronomy and Astrophysics</i> , 1982, 20, 249-283.	8.1	341
22	Rates of tidal disruption of stars by massive central black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 447-460.	1.6	337
23	The origin of short-period comets. <i>Astrophysical Journal</i> , 1988, 328, L69.	1.6	329
24	Axisymmetric Dynamical Models of the Central Regions of Galaxies. <i>Astrophysical Journal</i> , 2003, 583, 92-115.	1.6	324
25	Resonant relaxation in stellar systems. <i>New Astronomy</i> , 1996, 1, 149-170.	0.8	309
26	Ejection of Hypervelocity Stars by the (Binary) Black Hole in the Galactic Center. <i>Astrophysical Journal</i> , 2003, 599, 1129-1138.	1.6	304
27	The velocity dispersion in Saturn's rings. <i>Icarus</i> , 1978, 34, 227-239.	1.1	303
28	The Centers of Early-Type Galaxies with Hubble Space Telescope. V. New WFPC2 Photometry. <i>Astronomical Journal</i> , 2005, 129, 2138-2185.	1.9	296
29	The influence of the Galactic tidal field on the Oort comet cloud. <i>Icarus</i> , 1986, 65, 13-26.	1.1	295
30	ON THE LOCAL DARK MATTER DENSITY. <i>Astrophysical Journal</i> , 2012, 756, 89.	1.6	283
31	A family of models for spherical stellar systems. <i>Astronomical Journal</i> , 1994, 107, 634.	1.9	254
32	Dynamical friction in spherical systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 1984, 209, 729-757.	1.6	242
33	A kinematic method for measuring the pattern speed of barred galaxies. <i>Astrophysical Journal</i> , 1984, 282, L5.	1.6	239
34	A three million year integration of the earth's orbit. <i>Astronomical Journal</i> , 1991, 101, 2287.	1.9	224
35	Selection Bias in Observing the Cosmological Evolution of the M_{eff} and M_{L} Relationships. <i>Astrophysical Journal</i> , 2007, 670, 249-260.	1.6	221
36	Estimating the masses of galaxy groups - Alternatives to the virial theorem. <i>Astrophysical Journal</i> , 1985, 298, 8.	1.6	220

#	ARTICLE	IF	CITATIONS
37	Local simulations of planetary rings. <i>Astronomical Journal</i> , 1988, 95, 925.	1.9	216
38	Axisymmetric, Three-Integral Models of Galaxies: A Massive Black Hole in NGC 3379. <i>Astronomical Journal</i> , 2000, 119, 1157-1171.	1.9	210
39	The Centers of Early-Type Galaxies With HST. III. Non-Parametric Recovery of Stellar Luminosity Distribution. <i>Astronomical Journal</i> , 1996, 112, 105.	1.9	205
40	Migrating Planets. <i>Science</i> , 1998, 279, 69-72.	6.0	203
41	Lidov-Kozai Cycles with Gravitational Radiation: Merging Black Holes in Isolated Triple Systems. <i>Astrophysical Journal</i> , 2017, 836, 39.	1.6	203
42	The formation of the Cassini division in Saturn's rings. <i>Icarus</i> , 1978, 34, 240-253.	1.1	202
43	Another evolutionary correction to the luminosity of giant galaxies. <i>Astrophysical Journal</i> , 1975, 202, L113.	1.6	201
44	The Mass of the Galaxy. <i>Annual Review of Astronomy and Astrophysics</i> , 1991, 29, 409-445.	8.1	198
45	The Centers of Early-Type Galaxies with Hubble Space Telescope. VI. Bimodal Central Surface Brightness Profiles. <i>Astrophysical Journal</i> , 2007, 664, 226-256.	1.6	195
46	Observation of a lunar occultation of delta Gem.. <i>Astronomical Journal</i> , 1974, 79, 649.	1.9	189
47	Sling amplification and eccentric gravitational instabilities in gaseous disks. <i>Astrophysical Journal</i> , 1990, 358, 495.	1.6	188
48	H-functions and mixing in violent relaxation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1986, 219, 285-297.	1.6	180
49	Towards a theory for the uranian rings. <i>Nature</i> , 1979, 277, 97-99.	13.7	178
50	The excitation and evolution of density waves. <i>Astrophysical Journal</i> , 1978, 222, 850.	1.6	177
51	CO-EVOLUTION OF GALACTIC NUCLEI AND GLOBULAR CLUSTER SYSTEMS. <i>Astrophysical Journal</i> , 2014, 785, 71.	1.6	167
52	Methods for determining the masses of spherical systems. I - Test particles around a point mass. <i>Astrophysical Journal</i> , 1981, 244, 805.	1.6	162
53	The long-term evolution of orbits in the solar system: A mapping approach. <i>Icarus</i> , 1989, 82, 402-418.	1.1	161
54	The stellar velocity distribution in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 627-643.	1.6	161

#	ARTICLE	IF	CITATIONS
55	Symplectic integrators for solar system dynamics. <i>Astronomical Journal</i> , 1992, 104, 1633.	1.9	160
56	THE STATISTICS OF MULTI-PLANET SYSTEMS. <i>Astronomical Journal</i> , 2012, 143, 94.	1.9	158
57	Made-to-measure N-body systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 282, 223-233.	1.6	156
58	An Eccentric-Disk Model for the Nucleus of M31. <i>Astronomical Journal</i> , 1995, 110, 628.	1.9	153
59	The Evolution of Long-Period Comets. <i>Icarus</i> , 1999, 137, 84-121.	1.1	148
60	SATELLITE DYNAMICS ON THE LAPLACE SURFACE. <i>Astronomical Journal</i> , 2009, 137, 3706-3717.	1.9	144
61	On the Origin of Planetary Spins. <i>Icarus</i> , 1993, 103, 67-92.	1.1	137
62	Test of the Weak Equivalence Principle for Neutrinos and Photons. <i>Physical Review Letters</i> , 1988, 60, 176-177.	2.9	133
63	Long-term planetary integration with individual time steps. <i>Astronomical Journal</i> , 1994, 108, 1962.	1.9	133
64	Measuring the non-thermal pressure in early-type galaxy atmospheres: a comparison of X-ray and optical potential profiles in M87 and NGC 1399. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1062-1078.	1.6	131
65	The dynamics of dense particle disks. <i>Icarus</i> , 1986, 65, 83-109.	1.1	129
66	WARM JUPITERS FROM SECULAR PLANET-PLANET INTERACTIONS. <i>Astrophysical Journal</i> , 2016, 829, 132.	1.6	128
67	A granular flow model for dense planetary rings. <i>Icarus</i> , 1985, 63, 406-420.	1.1	124
68	Maximum-likelihood method for estimating the mass and period distributions of extrasolar planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 151-158.	1.6	122
69	A Class of Symplectic Integrators with Adaptive Time Step for Separable Hamiltonian Systems. <i>Astronomical Journal</i> , 1999, 118, 2532-2541.	1.9	117
70	PLANETS NEAR MEAN-MOTION RESONANCES. <i>Astrophysical Journal</i> , 2013, 770, 24.	1.6	116
71	Planetary perturbations and the origins of short-period comets. <i>Astrophysical Journal</i> , 1990, 355, 667.	1.6	115
72	The evolution of wide binary stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 977-994.	1.6	114

#	ARTICLE	IF	CITATIONS
73	Kinematics of 10 Early-type Galaxies from Hubble Space Telescope and Ground-based Spectroscopy. <i>Astrophysical Journal</i> , 2003, 596, 903-929.	1.6	110
74	Resonant relaxation and the warp of the stellar disc in the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 187-207.	1.6	108
75	Excitation and Propagation of Eccentricity Disturbances in Planetary Systems. <i>Astronomical Journal</i> , 2004, 128, 869-877.	1.9	106
76	Tidal disruption of viscous bodies. <i>Icarus</i> , 1992, 95, 86-99.	1.1	102
77	Maximum mass of objects that constitute unseen disk material. <i>Astrophysical Journal</i> , 1985, 290, 15.	1.6	101
78	Spectroscopic Evidence for a Supermassive Black Hole in NGC 4486B. <i>Astrophysical Journal</i> , 1997, 482, L139-L142.	1.6	95
79	On the origin of the obliquities of the outer planets. <i>Icarus</i> , 1991, 89, 85-92.	1.1	94
80	SUPER-ECCENTRIC MIGRATING JUPITERS. <i>Astrophysical Journal</i> , 2012, 750, 106.	1.6	94
81	SCATTERING OUTCOMES OF CLOSE-IN PLANETS: CONSTRAINTS ON PLANET MIGRATION. <i>Astrophysical Journal</i> , 2014, 786, 101.	1.6	93
82	A general method for constructing spherical galaxy models. <i>Astrophysical Journal</i> , 1984, 286, 27.	1.6	93
83	[ITAL]Hubble Space Telescope[/ITAL] Spectroscopic Evidence for a $2 \text{ } \tilde{\text{A}}$ — $10^{9.9}$ [TSUP] [ITAL]M[/ITAL] [TINF] [sun] [TINF] Black Hole in NGC 3115. <i>Astrophysical Journal</i> , 1996, 459, .	1.6	92
84	A test of a statistical model for the luminosities of bright cluster galaxies. <i>Astrophysical Journal</i> , 1977, 212, 311.	1.6	91
85	Sharp edges of planetary rings. <i>Nature</i> , 1982, 299, 209-211.	13.7	90
86	On the Origin of Irregular Structure in Saturn's Rings. <i>Astronomical Journal</i> , 2003, 125, 894-901.	1.9	90
87	[ITAL]Hubble Space Telescope[/ITAL] Spectroscopic Evidence for a $1 \text{ } \tilde{\text{A}}$ — $10^{9.9}$ [TSUP] [ITAL]M[/ITAL] [TINF] a^{TM} [TINF] Black Hole in NGC 4594. <i>Astrophysical Journal</i> , 1996, 473, L91-L94.	1.6	89
88	On the ellipticity of the Galactic disk. <i>Astrophysical Journal</i> , 1994, 421, 178.	1.6	88
89	Maximum-entropy models of galaxies. <i>Astrophysical Journal</i> , 1988, 327, 82.	1.6	87
90	Relaxation in a Fuzzy Dark Matter Halo. <i>Astrophysical Journal</i> , 2019, 871, 28.	1.6	85

#	ARTICLE	IF	CITATIONS
91	The local Galactic escape speed. <i>Astrophysical Journal</i> , 1990, 353, 486.	1.6	85
92	Advances in exoplanet science from Kepler. <i>Nature</i> , 2014, 513, 336-344.	13.7	84
93	Measuring mass-to-light ratios of spherical stellar systems by core fitting. <i>Astronomical Journal</i> , 1986, 92, 72.	1.9	81
94	Apsidal Alignment in $\ddot{\dots}$ Andromedae. <i>Astronomical Journal</i> , 2001, 122, 1607-1615.	1.9	81
95	The frequency and intensity of comet showers from the Oort cloud. <i>Icarus</i> , 1987, 70, 269-288.	1.1	80
96	The geometry of phase mixing. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 307, 877-883.	1.6	80
97	A CORRELATION BETWEEN CENTRAL SUPERMASSIVE BLACK HOLES AND THE GLOBULAR CLUSTER SYSTEMS OF EARLY-TYPE GALAXIES. <i>Astrophysical Journal</i> , 2010, 720, 516-521.	1.6	80
98	The origin of the eccentricities of the rings of Uranus. <i>Astrophysical Journal</i> , 1981, 243, 1062.	1.6	79
99	Distant satellites as probes of our Galaxy's mass distribution. <i>Astrophysical Journal</i> , 1987, 320, 493.	1.6	78
100	Precession of the epsilon ring of Uranus. <i>Astronomical Journal</i> , 1979, 84, 1638.	1.9	77
101	Why Does the Earth Spin Forward?. <i>Science</i> , 1993, 259, 350-354.	6.0	76
102	Towards a theory for Neptune's arc rings. <i>Astronomical Journal</i> , 1986, 92, 490.	1.9	76
103	CONSTRAINING SUB-PARSEC BINARY SUPERMASSIVE BLACK HOLES IN QUASARS WITH MULTI-EPOCH SPECTROSCOPY. I. THE GENERAL QUASAR POPULATION. <i>Astrophysical Journal</i> , 2013, 775, 49.	1.6	75
104	Resonant Capture by Inward-migrating Planets. <i>Astronomical Journal</i> , 2001, 121, 1736-1740.	1.9	73
105	Slow Modes in Keplerian Disks. <i>Astronomical Journal</i> , 2001, 121, 1776-1789.	1.9	73
106	Long-lived planetesimal discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 867-889.	1.6	72
107	The effect of dynamical friction on the orbits of the Magellanic clouds. <i>Astrophysical Journal</i> , 1976, 203, 72.	1.6	72
108	The damping and excitation of galactic warps by dynamical friction. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 275, 897-920.	1.6	68

#	ARTICLE	IF	CITATIONS
109	Fitting Selected Random Planetary Systems to Titusâ€™Bode Laws. <i>Icarus</i> , 1998, 135, 549-557.	1.1	68
110	Gauss's method for secular dynamics, softened. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 1085-1108.	1.6	68
111	CONSTRAINING SUB-PARSEC BINARY SUPERMASSIVE BLACK HOLES IN QUASARS WITH MULTI-EPOCH SPECTROSCOPY. II. THE POPULATION WITH KINEMATICALLY OFFSET BROAD BALMER EMISSION LINES. <i>Astrophysical Journal</i> , 2014, 789, 140.	1.6	68
112	Numerical simulations of the decay of satellite galaxy orbits. <i>Astrophysical Journal</i> , 1983, 264, 364.	1.6	66
113	[ITAL]Hubble Space Telescope[/ITAL] Observations of the Double Nucleus of NGC 4486B. <i>Astrophysical Journal</i> , 1996, 471, L79-L82.	1.6	65
114	The formation of the nuclei of galaxies. II - The local group. <i>Astrophysical Journal</i> , 1976, 203, 345.	1.6	63
115	A STELLAR DYNAMICAL MEASUREMENT OF THE BLACK HOLE MASS IN THE MASER GALAXY NGC 4258. <i>Astrophysical Journal</i> , 2009, 693, 946-969.	1.6	62
116	The dynamics of elliptical rings. <i>Astronomical Journal</i> , 1983, 88, 1560.	1.9	62
117	The formation of sharp edges in planetary rings by nearby satellites. <i>Icarus</i> , 1989, 80, 344-360.	1.1	61
118	THE STATISTICAL MECHANICS OF PLANET ORBITS. <i>Astrophysical Journal</i> , 2015, 807, 157.	1.6	60
119	Have interstellar clouds disrupted the Oort comet cloud?. <i>Astronomical Journal</i> , 1985, 90, 1548.	1.9	59
120	The Orbits of the Retrograde Jovian Satellites. <i>Icarus</i> , 1993, 106, 549-562.	1.1	58
121	On the reliability of gravitational N-body integrations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 259, 505-518.	1.6	57
122	Secular Stability and Instability in Stellar Systems Surrounding Massive Objects. <i>Astrophysical Journal</i> , 2005, 625, 143-155.	1.6	57
123	A numerical study of vector resonant relaxation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3265-3296.	1.6	57
124	Resonant Thickening of Disks by Small Satellite Galaxies. <i>Astrophysical Journal</i> , 1998, 506, 590-599.	1.6	57
125	Galaxies with a Central Minimum in Stellar Luminosity Density. <i>Astronomical Journal</i> , 2002, 124, 1975-1987.	1.9	56
126	Dynamics of warped accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1408-1434.	1.6	56

#	ARTICLE	IF	CITATIONS
127	Eccentric Disk Models for the Nucleus of M31. <i>Astrophysical Journal</i> , 2003, 599, 237-257.	1.6	55
128	Nonlinear density waves in planetary rings. <i>Icarus</i> , 1986, 68, 522-533.	1.1	52
129	A Search for Slow-Moving Objects and the Luminosity Function of the Kuiper Belt. <i>Astronomical Journal</i> , 1995, 110, 3082.	1.9	52
130	Constraints on the Acceleration of the Solar System from High-Precision Timing. <i>Astronomical Journal</i> , 2005, 130, 1939-1950.	1.9	51
131	Why do Earth satellites stay up?. <i>American Journal of Physics</i> , 2014, 82, 769-777.	0.3	51
132	The Black Hole Mass and Extreme Orbital Structure in NGC 1399. <i>Astrophysical Journal</i> , 2007, 671, 1321-1328.	1.6	50
133	Hot Jupiters Driven by High-eccentricity Migration in Globular Clusters. <i>Astronomical Journal</i> , 2017, 154, 272.	1.9	50
134	Linear response, dynamical friction and the fluctuation dissipation theorem in stellar dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 306, 1-21.	1.6	48
135	Perturbed particle disks. <i>Icarus</i> , 1983, 55, 124-132.	1.1	47
136	Dynamical limits on dark mass in the outer solar system. <i>Astronomical Journal</i> , 1991, 101, 2274.	1.9	47
137	Confirmation of resonant structure in the solar system. <i>Icarus</i> , 1992, 95, 148-152.	1.1	46
138	On the Statistical Distribution of Massive Impactors. <i>Icarus</i> , 1993, 106, 335-341.	1.1	46
139	A reinvestigation of the standard model for the dynamics of a massive black hole in a globular cluster. <i>Astrophysical Journal</i> , 1980, 242, 789.	1.6	45
140	Exact numerical studies of Hamiltonian maps: Iterating without roundoff error. <i>Physica D: Nonlinear Phenomena</i> , 1992, 56, 1-22.	1.3	44
141	The Keplerian Map for the Planar Restricted Three-Body Problem as a Model of Comet Evolution. <i>Icarus</i> , 1999, 141, 341-353.	1.1	44
142	Non-axisymmetric, scale-free, razor-thin discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 281, 925-936.	1.6	42
143	The Dynamics of Plutinos. <i>Astronomical Journal</i> , 1999, 118, 1873-1881.	1.9	42
144	Symplectic integrators in the shearing sheet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3168-3176.	1.6	39

#	ARTICLE	IF	CITATIONS
145	The global properties of the Galaxy. I - The H I distribution outside the solar circle. <i>Astronomical Journal</i> , 1978, 83, 1585.	1.9	39
146	How dating uncertainties affect the detection of periodicity in extinctions and craters. <i>Icarus</i> , 1989, 77, 213-219.	1.1	38
147	Planetâ€Finding Prospects for theSpace Interferometry Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2003, 115, 1171-1186.	1.0	38
148	A map for eccentric orbits in non-axisymmetric potentials. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 292, 905-919.	1.6	36
149	Collisional Fragmentation Is Not a Barrier to Close-in Planet Formation. <i>Astronomical Journal</i> , 2017, 154, 175.	1.9	36
150	The variations in eccentricity and apse precession rate of a narrow ring perturbed by a close satellite. <i>Icarus</i> , 1983, 53, 84-89.	1.1	34
151	Evolution of the Janus-Epimetheus coorbital resonance due to torques from Saturn's ring. <i>Icarus</i> , 1985, 64, 425-434.	1.1	34
152	Resonant capture, counter-rotating discs, and polar rings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 1-7.	1.6	34
153	Dynamical models of M87 without a central black hole. <i>Astrophysical Journal</i> , 1985, 296, 370.	1.6	34
154	Deriving the Mass Distribution of M87 from Globular Clusters. <i>Astrophysical Journal</i> , 2006, 643, 210-221.	1.6	33
155	Models of violently relaxed galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 236, 829-841.	1.6	32
156	Excitation of inclinations in ring-satellite systems. <i>Astrophysical Journal</i> , 1984, 284, 429.	1.6	31
157	Can comet clouds around neutron stars explain gamma-ray bursts?. <i>Astrophysical Journal</i> , 1986, 301, 155.	1.6	31
158	Relaxation in stellar systems, and the shape and rotation of the inner dark halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 306, 662-668.	1.6	30
159	Isotropicâ€Nematic Phase Transitions in Gravitational Systems. <i>Astrophysical Journal</i> , 2017, 842, 90.	1.6	30
160	OBSERVATIONAL SELECTION EFFECTS AND THE $\langle M \rangle$ RELATION. <i>Astrophysical Journal</i> , 2011, 738, 17.	1.6	28
161	Resonant Relaxation in Protoplanetary Disks. <i>Astronomical Journal</i> , 1998, 116, 2015-2022.	1.9	25
162	Producing Distant Planets by Mutual Scattering of Planetary Embryos. <i>Astronomical Journal</i> , 2018, 155, 75.	1.9	25

#	ARTICLE	IF	CITATIONS
163	Dark Matter in the Solar System. , 1990, , 37-65.		25
164	Core helium flash and the origin of CH and carbon stars. <i>Astrophysical Journal</i> , 1977, 216, 57.	1.6	25
165	Roundoff error in long-term planetary orbit integrations. <i>Astronomical Journal</i> , 1990, 99, 1016.	1.9	24
166	Evolutionary corrections to the redshift-volume measurement of the density parameter. <i>Astrophysical Journal</i> , 1988, 326, L1.	1.6	22
167	Canonical Elements for Collision Orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2001, 79, 231-233.	0.5	21
168	STABILITY OF THE DISTANT SATELLITES OF THE GIANT PLANETS IN THE SOLAR SYSTEM. <i>Astronomical Journal</i> , 2008, 136, 2453-2467.	1.9	21
169	Gravitational collapse in one dimension. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 49-62.	1.6	20
170	The Dynamical Evidence for Dark Matter. <i>Physics Today</i> , 1992, 45, 28-36.	0.3	19
171	A Parallel Integration Method for Solar System Dynamics. <i>Astronomical Journal</i> , 1997, 114, 409.	1.9	19
172	Density waves in debris discs and galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2368-2383.	1.6	18
173	Peas in a Pod? Radius Correlations in Kepler Multiplanet Systems. <i>Astronomical Journal</i> , 2020, 160, 160.	1.9	18
174	Galactic disc profiles and a universal angular momentum distribution from statistical physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 5022-5032.	1.6	16
175	A Criterion for the Onset of Chaos in Compact, Eccentric Multiplanet Systems. <i>Astronomical Journal</i> , 2021, 162, 220.	1.9	16
176	RELATIVISTIC REDSHIFTS IN QUASAR BROAD LINES. <i>Astrophysical Journal</i> , 2014, 794, 49.	1.6	15
177	The statistical mechanics of self-gravitating Keplerian discs. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 292001.	0.7	15
178	Precession of inclined rings. <i>Astronomical Journal</i> , 1983, 88, 226.	1.9	14
179	On estimating correlations in the spatial distribution of galaxies. <i>Astrophysical Journal</i> , 1977, 216, 682.	1.6	14
180	Linear Multistep Methods for Integrating Reversible Differential Equations. <i>Astronomical Journal</i> , 1999, 118, 1888-1899.	1.9	13

#	ARTICLE	IF	CITATIONS
181	Extrasolar Planet Orbits and Eccentricities. AIP Conference Proceedings, 2004, , .	0.3	13
182	MODELING THE NEARLY ISOTROPIC COMET POPULATION IN ANTICIPATION OF LSST OBSERVATIONS. Astronomical Journal, 2016, 152, 103.	1.9	12
183	Resonant capture in quadruple stellar systems. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5583-5595.	1.6	12
184	Common processes and problems in disc dynamics. , 1989, , 231-238.		12
185	Relaxation in a Fuzzy Dark Matter Halo. II. Self-consistent Kinetic Equations. Astrophysical Journal, 2021, 915, 27.	1.6	11
186	Order-Disorder Phase Transition in Black-Hole Star Clusters. Physical Review Letters, 2019, 123, 021103.	2.9	10
187	The dynamics of the nucleus of M31. Astrophysical Journal, 1982, 256, 435.	1.6	10
188	The Stability of a Family of Elliptical Stellar Disks. Monthly Notices of the Royal Astronomical Society, 1976, 175, 557-571.	1.6	8
189	Linear response of galactic haloes to adiabatic gravitational perturbations. Monthly Notices of the Royal Astronomical Society, 1998, 296, 749-762.	1.6	8
190	The Riemann disks. I - Equilibrium and secular evolution. Astrophysical Journal, 1983, 271, 586.	1.6	8
191	Order-disorder phase transition in black-hole star clusters. II. A scale-free cluster. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	7
192	Orderâ€“disorder phase transition in black hole star clusters â€“ III. A mono-energetic cluster. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2632-2651.	1.6	7
193	Do gamma-ray bursts come from the Oort cloud?. Astronomical Journal, 1994, 107, 1873.	1.9	7
194	THE BLACK HOLE MASS AND THE STELLAR RING IN NGC 3706. Astrophysical Journal, 2014, 781, 112.	1.6	6
195	Constraint on nonmetric theories of gravity from supernova 1987A. Physical Review D, 1988, 38, 2927-2929.	1.6	5
196	Weak dynamical effects in the Uranian ring system. Astronomical Journal, 1983, 88, 1053.	1.9	5
197	Secular Dynamics around a Supermassive black hole via Multipole Expansion. Astrophysical Journal, 2022, 931, 8.	1.6	5
198	A Photographic Search for Satellites of Uranus. Icarus, 1993, 102, 298-306.	1.1	4

#	ARTICLE	IF	CITATIONS
199	Lattice stellar dynamics. Monthly Notices of the Royal Astronomical Society, 1995, 276, 467-475.	1.6	4
200	PROBING THE GALACTIC POTENTIAL WITH NEXT-GENERATION OBSERVATIONS OF DISK STARS. Astrophysical Journal, 2009, 699, 215-229.	1.6	4
201	Comparison of simple mass estimators for slowly rotating elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3442-3457.	1.6	4
202	Stellar Dynamics of Needles. , 1987, , 493-494.		4
203	Collinear configurations of galaxies can be stable. Astronomical Journal, 1977, 82, 262.	1.9	4
204	A Photographic Search for Satellites of Neptune. Icarus, 1994, 107, 304-310.	1.1	3
205	An HST Survey of Cores of Early-Type Galaxies. Symposium - International Astronomical Union, 1996, 171, 105-116.	0.1	2
206	The legacy and large-scale distribution of active galaxies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 613-619.	1.6	2
207	Generalized Schwarzschild's method. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	2
208	The Rings of Saturn and Uranus. , 1979, , 129-133.		2
209	A Historical Perspective on Dark Matter. Symposium - International Astronomical Union, 1987, 117, 547-549.	0.1	1
210	Time delays of supernova neutrinos from new long-range interactions. Physical Review D, 1995, 51, 324-327.	1.6	1
211	Propagation of Eccentricity Disturbances in Planetary Systems. AIP Conference Proceedings, 2004, , .	0.3	1
212	The Odd Couple: Quasars & Black Holes. Daedalus, 2014, 143, 103-113.	0.9	1
213	ADIABATIC BLACK HOLE GROWTH IN Λ CDM MODELS OF ELLIPTICAL GALAXIES. Astronomical Journal, 2016, 151, 119.	1.9	1
214	Resonant Relaxation. , 1999, , 391-392.		1
215	The spiral structure of galaxies. Nature, 1979, 277, 516-517.	13.7	0
216	Stellar Dynamics of Needles. Symposium - International Astronomical Union, 1987, 127, 493-494.	0.1	0

#	ARTICLE	IF	CITATIONS
217	Is the Milky Way elliptical?. AIP Conference Proceedings, 1992, , .	0.3	0
218	The Centers of Galaxies. Symposium - International Astronomical Union, 1996, 174, 53-60.	0.1	0
219	Resonant Relaxation. International Astronomical Union Colloquium, 1999, 172, 391-392.	0.1	0
220	DARK MATTER IN GALAXIES AND GALAXY SYSTEMS. , 2004, , 71-102.		0
221	Measuring the mass distribution in stellar systems. Monthly Notices of the Royal Astronomical Society, 2018, 477, 946-956.	1.6	0
222	Thermal equilibrium of an ideal gas in a free-floating box. American Journal of Physics, 2021, 89, 789-792.	0.3	0