

David Vokrouhlicky

List of Publications by Year in descending order

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papers

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225
times ranked

4750
citing authors

#	ARTICLE	IF	CITATIONS
1	THE YARKOVSKY AND YORP EFFECTS: Implications for Asteroid Dynamics. Annual Review of Earth and Planetary Sciences, 2006, 34, 157-191.	11.0	573
2	The fossilized size distribution of the main asteroid belt. Icarus, 2005, 175, 111-140.	2.5	479
3	COMETARY ORIGIN OF THE ZODIACAL CLOUD AND CARBONACEOUS MICROMETEORITES. IMPLICATIONS FOR HOT DEBRIS DISKS. Astrophysical Journal, 2010, 713, 816-836.	4.5	422
4	Linking the collisional history of the main asteroid belt to its dynamical excitation and depletion. Icarus, 2005, 179, 63-94.	2.5	394
5	An Archaean heavy bombardment from a destabilized extension of the asteroid belt. Nature, 2012, 485, 78-81.	27.8	345
6	Meteorite Delivery via Yarkovsky Orbital Drift. Icarus, 1998, 132, 378-387.	2.5	279
7	CAPTURE OF TROJANS BY JUMPING JUPITER. Astrophysical Journal, 2013, 768, 45.	4.5	203
8	Orbit and bulk density of the OSIRIS-REx target Asteroid (101955) Bennu. Icarus, 2014, 235, 5-22.	2.5	193
9	The vector alignments of asteroid spins by thermal torques. Nature, 2003, 425, 147-151.	27.8	182
10	Capture of Irregular Satellites during Planetary Encounters. Astronomical Journal, 2007, 133, 1962-1976.	4.7	181
11	Dynamical Spreading of Asteroid Families by the Yarkovsky Effect. Science, 2001, 294, 1693-1696.	12.6	172
12	Direct Detection of the Yarkovsky Effect by Radar Ranging to Asteroid 6489 Golevka. Science, 2003, 302, 1739-1742.	12.6	172
13	Formation of asteroid pairs by rotational fission. Nature, 2010, 466, 1085-1088.	27.8	171
14	The OSIRIS-REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. Meteoritics and Planetary Science, 2015, 50, 834-849.	1.6	168
15	Super-catastrophic disruption of asteroids at small perihelion distances. Nature, 2016, 530, 303-306.	27.8	161
16	Yarkovsky/YORP chronology of asteroid families. Icarus, 2006, 182, 118-142.	2.5	158
17	An asteroid breakup 160 Myr ago as the probable source of the K/T impactor. Nature, 2007, 449, 48-53.	27.8	156
18	Debiased orbit and absolute-magnitude distributions for near-Earth objects. Icarus, 2018, 312, 181-207.	2.5	156

#	ARTICLE	IF	CITATIONS
19	The YORP effect with finite thermal conductivity. <i>Icarus</i> , 2004, 172, 526-536.	2.5	153
20	Spin Rate of Asteroid (54509) 2000 PH5 Increasing Due to the YORP Effect. <i>Science</i> , 2007, 316, 274-277.	12.6	147
21	YORP-Induced Long-Term Evolution of the Spin State of Small Asteroids and Meteoroids: Rubincam's Approximation. <i>Icarus</i> , 2002, 159, 449-467.	2.5	146
22	Direct Detection of the Asteroidal YORP Effect. <i>Science</i> , 2007, 316, 272-274.	12.6	146
23	The Flora Family: A Case of the Dynamically Dispersed Collisional Swarm?. <i>Icarus</i> , 2002, 157, 155-172.	2.5	139
24	The Yarkovsky-driven origin of near-Earth asteroids. <i>Icarus</i> , 2003, 163, 120-134.	2.5	130
25	DYNAMICAL MODEL FOR THE ZODIACAL CLOUD AND SPORADIC METEORS. <i>Astrophysical Journal</i> , 2011, 743, 129.	4.5	129
26	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019, 366, .	12.6	129
27	In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. <i>Icarus</i> , 2015, 247, 191-217.	2.5	125
28	NEPTUNE'S ORBITAL MIGRATION WAS GRAINY, NOT SMOOTH. <i>Astrophysical Journal</i> , 2016, 825, 94.	4.5	124
29	Near Earth Asteroids with measurable Yarkovsky effect. <i>Icarus</i> , 2013, 224, 1-13.	2.5	122
30	Yarkovsky Effect on Small Near-Earth Asteroids: Mathematical Formulation and Examples. <i>Icarus</i> , 2000, 148, 118-138.	2.5	118
31	Testing general relativity with the BepiColombo radio science experiment. <i>Physical Review D</i> , 2002, 66, .	4.7	114
32	Spin rate distribution of small asteroids. <i>Icarus</i> , 2008, 197, 497-504.	2.5	109
33	Constraining the cometary flux through the asteroid belt during the late heavy bombardment. <i>Astronomy and Astrophysics</i> , 2013, 551, A117.	5.1	106
34	Origin and Evolution of Short-period Comets. <i>Astrophysical Journal</i> , 2017, 845, 27.	4.5	106
35	Efficient delivery of meteorites to the Earth from a wide range of asteroid parent bodies. <i>Nature</i> , 2000, 407, 606-608.	27.8	105
36	Introducing the Eulalia and new Polana asteroid families: Re-assessing primitive asteroid families in the inner Main Belt. <i>Icarus</i> , 2013, 225, 283-297.	2.5	105

#	ARTICLE	IF	CITATIONS
37	Evidence for very early migration of the Solar System planets from the Patroclus–Menoetius binary Jupiter Trojan. <i>Nature Astronomy</i> , 2018, 2, 878-882.	10.1	104
38	Asteroidal source of L chondrite meteorites. <i>Icarus</i> , 2009, 200, 698-701.	2.5	103
39	THE IRREGULAR SATELLITES: THE MOST COLLISIONALLY EVOLVED POPULATIONS IN THE SOLAR SYSTEM. <i>Astronomical Journal</i> , 2010, 139, 994-1014.	4.7	103
40	Physics of the Solar System. <i>Astrophysics and Space Science Library</i> , 2003, , .	2.7	102
41	CAPTURE OF TRANS-NEPTUNIAN PLANETESIMALS IN THE MAIN ASTEROID BELT. <i>Astronomical Journal</i> , 2016, 152, 39.	4.7	100
42	Yarkovsky footprints in the Eos family. <i>Icarus</i> , 2006, 182, 92-117.	2.5	94
43	Dating the Moon-forming impact event with asteroidal meteorites. <i>Science</i> , 2015, 348, 321-323.	12.6	94
44	PAIRS OF ASTEROIDS PROBABLY OF A COMMON ORIGIN. <i>Astronomical Journal</i> , 2008, 136, 280-290.	4.7	92
45	A late Miocene dust shower from the break-up of an asteroid in the main belt. <i>Nature</i> , 2006, 439, 295-297.	27.8	90
46	CAPTURE OF IRREGULAR SATELLITES AT JUPITER. <i>Astrophysical Journal</i> , 2014, 784, 22.	4.5	89
47	The tumbling spin state of (99942) Apophis. <i>Icarus</i> , 2014, 233, 48-60.	2.5	87
48	Gravity field and rotation state of Mercury from the BepiColombo Radio Science Experiments. <i>Planetary and Space Science</i> , 2001, 49, 1579-1596.	1.7	81
49	Physical properties of asteroid dust bands and their sources. <i>Icarus</i> , 2006, 181, 107-144.	2.5	81
50	New Candidates for Recent Asteroid Breakups. <i>Astronomical Journal</i> , 2006, 132, 1950-1958.	4.7	79
51	In the vicinity of a rotating black hole: a fast numerical code for computing observational effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 259, 569-575.	4.4	77
52	Escape of asteroids from the main belt. <i>Astronomy and Astrophysics</i> , 2017, 598, A52.	5.1	77
53	Origin of the Near-Ecliptic Circumsolar Dust Band. <i>Astrophysical Journal</i> , 2008, 679, L143-L146.	4.5	76
54	Near-Earth asteroid (3200) Phaethon: Characterization of its orbit, spin state, and thermophysical parameters. <i>Astronomy and Astrophysics</i> , 2016, 592, A34.	5.1	73

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55	Chaotic motion of test particles in the Ernst space-time. <i>General Relativity and Gravitation</i> , 1992, 24, 729-743.	2.0	71
56	The Breakup of a Main-Belt Asteroid 450 Thousand Years Ago. <i>Science</i> , 2006, 312, 1490-1490.	12.6	71
57	THE EFFECT OF CONJUNCTIONS ON THE TRANSIT TIMING VARIATIONS OF EXOPLANETS. <i>Astrophysical Journal</i> , 2014, 790, 58.	4.5	70
58	DYNAMICAL MODEL FOR THE TOROIDAL SPORADIC METEORS. <i>Astrophysical Journal</i> , 2014, 789, 25.	4.5	69
59	Radar observations of asteroid 25143 Itokawa (1998 SF36). <i>Meteoritics and Planetary Science</i> , 2004, 39, 407-424.	1.6	66
60	Detection of the YORP effect in asteroid (1620) Geographos. <i>Astronomy and Astrophysics</i> , 2008, 489, L25-L28.	5.1	64
61	Asteroid families in the first-order resonances with Jupiter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 715-732.	4.4	63
62	TILTING JUPITER (A BIT) AND SATURN (A LOT) DURING PLANETARY MIGRATION. <i>Astrophysical Journal</i> , 2015, 806, 143.	4.5	62
63	Equivalence principle and the Moon. <i>Physical Review D</i> , 1996, 53, 4177-4201.	4.7	58
64	The Yarkovsky Seasonal Effect on Asteroidal Fragments: A Nonlinearized Theory for Spherical Bodies. <i>Astronomical Journal</i> , 1999, 118, 3049-3060.	4.7	58
65	Analysis of the Hungaria asteroid population. <i>Icarus</i> , 2009, 204, 172-182.	2.5	58
66	DYNAMICS OF DUST PARTICLES RELEASED FROM OORT CLOUD COMETS AND THEIR CONTRIBUTION TO RADAR METEORS. <i>Astrophysical Journal</i> , 2011, 743, 37.	4.5	58
67	CHAOTIC CAPTURE OF NEPTUNE TROJANS. <i>Astronomical Journal</i> , 2009, 137, 5003-5011.	4.7	57
68	ORBITAL PERTURBATIONS OF THE GALILEAN SATELLITES DURING PLANETARY ENCOUNTERS. <i>Astronomical Journal</i> , 2014, 148, 25.	4.7	57
69	Origin and Evolution of Long-period Comets. <i>Astronomical Journal</i> , 2019, 157, 181.	4.7	57
70	DETECTION OF SEMIMAJOR AXIS DRIFTS IN 54 NEAR-EARTH ASTEROIDS: NEW MEASUREMENTS OF THE YARKOVSKY EFFECT. <i>Astronomical Journal</i> , 2012, 144, 60.	4.7	55
71	Generalized YORP evolution: Onset of tumbling and new asymptotic states. <i>Icarus</i> , 2007, 191, 636-650.	2.5	54
72	Significance analysis of asteroid pairs. <i>Icarus</i> , 2009, 204, 580-588.	2.5	53

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73	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. <i>Astronomical Journal</i> , 2008, 136, 1079-1088.	4.7	51
74	DYNAMICS AND TRANSIT VARIATIONS OF RESONANT EXOPLANETS. <i>Astrophysical Journal</i> , 2016, 823, 72.	4.5	51
75	Trajectory Estimation for Particles Observed in the Vicinity of (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006363.	3.6	51
76	OBSERVED BINARY FRACTION SETS LIMITS ON THE EXTENT OF COLLISIONAL GRINDING IN THE KUIPER BELT. <i>Astronomical Journal</i> , 2011, 141, 159.	4.7	50
77	Do planetary encounters reset surfaces of near Earth asteroids?. <i>Icarus</i> , 2010, 209, 510-519.	2.5	49
78	Asteroid pairs: A complex picture. <i>Icarus</i> , 2019, 333, 429-463.	2.5	47
79	The rotation of LAGEOS and its long-term semimajor axis decay: A self-consistent solution. <i>Journal of Geophysical Research</i> , 1996, 101, 17861-17872.	3.3	45
80	The Yarkovsky Seasonal Effect on Asteroidal Fragments: A Nonlinearized Theory for the Plane-parallel Case. <i>Astronomical Journal</i> , 1998, 116, 2032-2041.	4.7	45
81	New photometric observations of asteroids (1862)ÅApollo and (25143)ÅItokawa — an analysis of YORP effect. <i>Astronomy and Astrophysics</i> , 2008, 488, 345-350.	5.1	45
82	Express delivery of fossil meteorites from the inner asteroid belt to Sweden. <i>Icarus</i> , 2007, 188, 400-413.	2.5	44
83	Analysis of the rotation period of asteroids (1865)ÅCerberus, (2100)ÅRa-Shalom, and (3103)ÅEger — search for the YORP effect. <i>Astronomy and Astrophysics</i> , 2012, 547, A10.	5.1	43
84	Asteroid clusters similar to asteroid pairs. <i>Icarus</i> , 2018, 304, 110-126.	2.5	43
85	The peculiar case of the Agnia asteroid family. <i>Icarus</i> , 2006, 183, 349-361.	2.5	42
86	Analytic Theory of the YORP Effect for Near-Spherical Objects. <i>Astronomical Journal</i> , 2007, 134, 1750-1768.	4.7	42
87	EXCITATION OF THE ORBITAL INCLINATION OF IAPETUS DURING PLANETARY ENCOUNTERS. <i>Astronomical Journal</i> , 2014, 148, 52.	4.7	42
88	Nongravitational effects and the LAGEOS eccentricity excitations. <i>Journal of Geophysical Research</i> , 1997, 102, 2711-2729.	3.3	41
89	(3200) Phaethon: Bulk density from Yarkovsky drift detection. <i>Astronomy and Astrophysics</i> , 2018, 620, L8.	5.1	41
90	Secular spin dynamics of inner main-belt asteroids. <i>Icarus</i> , 2006, 184, 1-28.	2.5	39

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91	IRREGULAR SATELLITE CAPTURE BY EXCHANGE REACTIONS. <i>Astronomical Journal</i> , 2008, 136, 1463-1476.	4.7	39
92	Reviewing the Yarkovsky effect: New light on the delivery of stone and iron meteorites from the asteroid belt. <i>Meteoritics and Planetary Science</i> , 1999, 34, A161.	1.6	38
93	Did the Hilda collisional family form during the late heavy bombardment?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2716-2727.	4.4	38
94	TRANSIT TIMING VARIATIONS FOR PLANETS CO-ORBITING IN THE HORSESHOE REGIME. <i>Astrophysical Journal</i> , 2014, 791, 6.	4.5	38
95	Observations of "fresh" and weathered surfaces on asteroid pairs and their implications on the rotational-fission mechanism. <i>Icarus</i> , 2014, 233, 9-26.	2.5	38
96	THE ORBITAL DISTRIBUTION OF TRANS-NEPTUNIAN OBJECTS BEYOND 50 au. <i>Astrophysical Journal Letters</i> , 2016, 827, L35.	8.3	37
97	Using the youngest asteroid clusters to constrain the space weathering and gardening rate on S-complex asteroids. <i>Icarus</i> , 2010, 208, 758-772.	2.5	36
98	CONSTRAINING THE PHYSICAL PROPERTIES OF NEAR-EARTH OBJECT 2009 BD. <i>Astrophysical Journal</i> , 2014, 786, 148.	4.5	35
99	Interpreting the Cratering Histories of Bennu, Ryugu, and Other Spacecraft-explored Asteroids. <i>Astronomical Journal</i> , 2020, 160, 14.	4.7	34
100	ORBITAL IDENTIFICATION FOR ASTEROID 152563 (1992 BF) THROUGH THE YARKOVSKY EFFECT. <i>Astronomical Journal</i> , 2008, 135, 2336-2340.	4.7	33
101	Binary asteroid population. 2. Anisotropic distribution of orbit poles of small, inner main-belt binaries. <i>Icarus</i> , 2012, 218, 125-143.	2.5	33
102	RADAR DETECTABILITY STUDIES OF SLOW AND SMALL ZODIACAL DUST CLOUD PARTICLES. I. THE CASE OF ARECIBO 430 MHz METEOR HEAD ECHO OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 796, 41.	4.5	33
103	The Yarkovsky effect for 99942 Apophis. <i>Icarus</i> , 2015, 252, 277-283.	2.5	33
104	Forming the Flora Family: Implications for the Near-Earth Asteroid Population and Large Terrestrial Planet Impactors. <i>Astronomical Journal</i> , 2017, 153, 172.	4.7	33
105	The geomagnetic effects on the motion of an electrically charged artificial satellite. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1989, 46, 85-104.	1.4	32
106	The YORP effect on 25%143 Itokawa. <i>Astronomy and Astrophysics</i> , 2009, 507, 1073-1081.	5.1	32
107	SEARCHING FOR TROJAN ASTEROIDS IN THE HD 209458 SYSTEM: SPACE-BASED MOST PHOTOMETRY AND DYNAMICAL MODELING. <i>Astrophysical Journal</i> , 2010, 716, 315-323.	4.5	32
108	Stellar dynamics in a galactic centre surrounded by a massive accretion disc – I. Newtonian description. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 298, 53-66.	4.4	31

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109	The shallow magnitude distribution of asteroid families. <i>Icarus</i> , 2003, 162, 328-336.	2.5	31
110	The young Datura asteroid family. <i>Astronomy and Astrophysics</i> , 2017, 598, A91.	5.1	31
111	Thermal force effects on slowly rotating, spherical artificial satellites <i>’</i> i. Solar heating. <i>Planetary and Space Science</i> , 1996, 44, 1551-1561.	1.7	30
112	THE COMMON ROOTS OF ASTEROIDS (6070) RHEINLAND AND (54827) 2001 NQ8. <i>Astronomical Journal</i> , 2009, 137, 111-117.	4.7	30
113	Black rain: The burial of the Galilean satellites in irregular satellite debris. <i>Icarus</i> , 2013, 223, 775-795.	2.5	30
114	Meteoroid Impacts as a Source of Bennu's Particle Ejection Events. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006282.	3.6	30
115	Debiased albedo distribution for Near Earth Objects. <i>Icarus</i> , 2020, 340, 113631.	2.5	29
116	On interpretation of the magnetized Kerr <i>’</i> s Newman black hole. <i>Journal of Mathematical Physics</i> , 1991, 32, 714-716.	1.1	28
117	Gravity, Geodesy and Fundamental Physics with BepiColombo <i>’</i> s MORE Investigation. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	28
118	Ephemeris and hazard assessment for near-Earth asteroid (101955) Bennu based on OSIRIS-REx data. <i>Icarus</i> , 2021, 369, 114594.	2.5	28
119	Datura family: the 2009 update. <i>Astronomy and Astrophysics</i> , 2009, 507, 495-504.	5.1	27
120	(3749) BALAM: A VERY YOUNG MULTIPLE ASTEROID SYSTEM. <i>Astrophysical Journal</i> , 2009, 706, L37-L40.	4.5	26
121	\tilde{A} -pik-type collision probability for high-inclination orbits. <i>Icarus</i> , 2012, 219, 150-160.	2.5	26
122	YORP and Yarkovsky effects in asteroids (1685) Toro, (2100) Ra-Shalom, (3103) Eger, and (161989) Cacus. <i>Astronomy and Astrophysics</i> , 2018, 609, A86.	5.1	26
123	A Note on the Solar Radiation Perturbations of Lunar Motion. <i>Icarus</i> , 1997, 126, 293-300.	2.5	24
124	Light-time computations for the BepiColombo Radio Science Experiment. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2010, 107, 285-298.	1.4	24
125	Doubly eclipsing systems. <i>Astronomy and Astrophysics</i> , 2019, 630, A128.	5.1	24
126	Efficient Lie-Poisson Integrator for Secular Spin Dynamics of Rigid Bodies. <i>Astronomical Journal</i> , 2005, 130, 1267-1277.	4.7	23

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127	Yarkovsky detection opportunities. I. Solitary asteroids. <i>Icarus</i> , 2005, 173, 166-184.	2.5	23
128	ANALYTIC THEORY FOR THE YARKOVSKY-O'KEEFE-RADZIEVSKI-PADDACK EFFECT ON OBLIQUITY. <i>Astronomical Journal</i> , 2008, 136, 291-299.	4.7	23
129	SPIN VECTOR AND SHAPE OF (6070) RHEINLAND AND THEIR IMPLICATIONS. <i>Astronomical Journal</i> , 2011, 142, 159.	4.7	23
130	Å–pik-type collision probability for high-inclination orbits: Targets on eccentric orbits. <i>Icarus</i> , 2013, 226, 682-693.	2.5	23
131	A star orbiting around a supermassive rotating black hole: free motion and corrections due to star-disc collisions. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 265, 365-378.	4.4	22
132	The Depletion of the Putative Vulcanoid Population via the Yarkovsky Effect. <i>Icarus</i> , 2000, 148, 147-152.	2.5	22
133	Yarkovsky-Driven Leakage of Koronis Family Members I. The Case of 2953 Vysheslavia. <i>Icarus</i> , 2001, 150, 78-93.	2.5	22
134	ϵ Tauri: a unique laboratory to study the dynamic interaction in a compact hierarchical quadruple system. <i>Astronomy and Astrophysics</i> , 2016, 594, A55.	5.1	22
135	DETECTION OF THE YORP EFFECT FOR SMALL ASTEROIDS IN THE KARIN CLUSTER. <i>Astronomical Journal</i> , 2016, 151, 164.	4.7	22
136	Detectability of YORP rotational slowing of asteroid 25143 Itokawa. <i>Astronomy and Astrophysics</i> , 2004, 414, L21-L24.	5.1	22
137	Semianalytic theory of motion for close-Earth spherical satellites including drag and gravitational perturbations. <i>Planetary and Space Science</i> , 2004, 52, 1233-1249.	1.7	21
138	Detailed Analysis of the Asteroid Pair (6070) Rheinland and (54827) 2001 NQ8. <i>Astronomical Journal</i> , 2017, 153, 270.	4.7	21
139	Secular theory of the orbital evolution of the young stellar disc in the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1023-1032.	4.4	20
140	Stress field and spin axis relaxation for inelastic triaxial ellipsoids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 755-769.	4.4	20
141	Distribution of spin-axes longitudes and shape elongations of main-belt asteroids. <i>Astronomy and Astrophysics</i> , 2016, 596, A57.	5.1	20
142	LAGEOS spin axis and non-gravitational excitations of its orbit. <i>Advances in Space Research</i> , 1999, 23, 721-725.	2.6	19
143	Yarkovsky origin of the unstable asteroids in the 2/1 mean motion resonance with Jupiter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 1437-1455.	4.4	19
144	Solar radiation pressure on (99942) Apophis. <i>Icarus</i> , 2011, 211, 511-518.	2.5	19

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145	Detection of the Yarkovsky effect for C-type asteroids in the Veritas family. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4400-4413.	4.4	19
146	OSSOS. XIX. Testing Early Solar System Dynamical Models Using OSSOS Centaur Detections. <i>Astronomical Journal</i> , 2019, 158, 132.	4.7	19
147	Evolution of Dust Trails into Bands. <i>Astrophysical Journal</i> , 2008, 672, 696-712.	4.5	18
148	COLLISIONALLY BORN FAMILY ABOUT 87 SYLVIA. <i>Astronomical Journal</i> , 2010, 139, 2148-2158.	4.7	18
149	HALF-BROTHERS IN THE SCHULHOF FAMILY?. <i>Astronomical Journal</i> , 2011, 142, 26.	4.7	18
150	Thermal stresses in small meteoroids. <i>Astronomy and Astrophysics</i> , 2010, 519, A75.	5.1	18
151	Yarkovsky detection opportunitiesII. Binary systems. <i>Icarus</i> , 2005, 179, 128-138.	2.5	17
152	Candidates for Asteroid Dust Trails. <i>Astronomical Journal</i> , 2006, 132, 582-595.	4.7	17
153	Yarkovsky-O'Keefe-Radzievskii-Paddack effect on tumbling objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2478-2499.	4.4	17
154	Asteroid families interacting with secular resonances. <i>Planetary and Space Science</i> , 2018, 157, 72-81.	1.7	17
155	Asteroid families. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 289-299.	0.0	16
156	Vanishing torque from radiation pressure. <i>Astronomy and Astrophysics</i> , 2008, 480, 1-3.	5.1	16
157	Secular dynamics of gravitationally bound pair of binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3964-3975.	4.4	16
158	The Yarkovsky thermal force on small asteroids and their fragments. <i>Astronomy and Astrophysics</i> , 2001, 371, 350-353.	5.1	15
159	RADAR DETECTABILITY STUDIES OF SLOW AND SMALL ZODIACAL DUST CLOUD PARTICLES. II. A STUDY OF THREE RADARS WITH DIFFERENT SENSITIVITY. <i>Astrophysical Journal</i> , 2015, 807, 13.	4.5	15
160	Relativistic precession of the orbit of a star near a supermassive black hole. <i>Astrophysical Journal</i> , 1994, 422, 208.	4.5	15
161	Radiation-induced torques on spheroids. <i>Astronomy and Astrophysics</i> , 2007, 471, 345-353.	5.1	14
162	Asteroids 87887 and 415992: the youngest known asteroid pair?. <i>Astronomy and Astrophysics</i> , 2016, 595, A20.	5.1	14

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164	Non-gravitational effects and LAGEOS' rotation. Geophysical Research Letters, 1996, 23, 3079-3082.	4.0	13
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