David Vokrouhlicky

List of Publications by Year in descending order

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224 papers	12,529 citations	20817 60 h-index	30922 102 g-index
225 all docs	225 docs citations	225 times ranked	4750 citing authors

#	Article	IF	Citations
1	Rotation acceleration of asteroids (10115) 1992 SK, (1685) Toro, and (1620) Geographos due to the YORP effect. Astronomy and Astrophysics, 2022, 657, A5.	5.1	9
2	A New Look at the HS Hydrae System. Astronomical Journal, 2022, 163, 94.	4.7	1
3	Dynamical Implantation of Blue Binaries in the Cold Classical Kuiper Belt. Astronomical Journal, 2022, 163, 137.	4.7	5
4	Spin Change of Asteroid 2012 TC4 Probably by Radiation Torques. Astronomical Journal, 2021, 161, 112.	4.7	5
5	Gravity, Geodesy and Fundamental Physics with BepiColomboâ€™s MORE Investigation. Space Science Reviews, 2021, 217, 1.	8.1	28
6	Low thermal conductivity of the superfast rotator (499998) 2011 PT. Astronomy and Astrophysics, 2021, 647, A61.	5.1	11
7	(208) Lacrimosa: A case that missed the Slivan state?. Astronomy and Astrophysics, 2021, 649, A45.	5.1	1
8	The young Hobson family: Possible binary parent body and low-velocity dispersal. Astronomy and Astrophysics, 2021, 654, A75.	5.1	5
9	Ephemeris and hazard assessment for near-Earth asteroid (101955) Bennu based on OSIRIS-REx data. Icarus, 2021, 369, 114594.	2.5	28
10	Effects of protoplanetary nebula on orbital dynamics of planetesimals in the outer Solar system. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	3
11	Cascade disruptions in asteroid clusters. Icarus, 2020, 338, 113554.	2.5	10
12	Trajectory Estimation for Particles Observed in the Vicinity of (101955) Bennu. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006363.	3.6	51
13	Meteoroid Impacts as a Source of Bennu's Particle Ejection Events. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006282.	3.6	30
14	Interpreting the Cratering Histories of Bennu, Ryugu, and Other Spacecraft-explored Asteroids. Astronomical Journal, 2020, 160, 14.	4.7	34
15	Particle Ejection Contributions to the Rotational Acceleration and Orbit Evolution of Asteroid (101955) Bennu. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006284.	3.6	12
16	Debiased albedo distribution for Near Earth Objects. Icarus, 2020, 340, 113631.	2.5	29
17	Analytical solution of the Colombo top problem. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	8
18	A pair of Jovian Trojans at the L4 Lagrange point. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3630-3649.	4.4	4

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19	Clarissa Family Age from the Yarkovsky Effect Chronology. Astronomical Journal, 2020, 160, 127.	4.7	4
20	OSSOS. XIX. Testing Early Solar System Dynamical Models Using OSSOS Centaur Detections. Astronomical Journal, 2019, 158, 132.	4.7	19
21	Asteroid pairs: A complex picture. Icarus, 2019, 333, 429-463.	2.5	47
22	Origin and Evolution of Long-period Comets. Astronomical Journal, 2019, 157, 181.	4.7	57
23	Doubly eclipsing systems. Astronomy and Astrophysics, 2019, 630, A128.	5.1	24
24	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. Science, 2019, 366, .	12.6	129
25	Debiased orbit and absolute-magnitude distributions for near-Earth objects. Icarus, 2018, 312, 181-207.	2.5	156
26	On the age of the Nele asteroid family. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1308-1317.	4.4	7
27	Resonant dynamics of gravitationally bound pair of binaries: the case of 1:1 resonance. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5215-5230.	4.4	14
28	Asteroid families interacting with secular resonances. Planetary and Space Science, 2018, 157, 72-81.	1.7	17
29	Asteroid clusters similar to asteroid pairs. Icarus, 2018, 304, 110-126.	2.5	43
30	(3200) Phaethon: Bulk density from Yarkovsky drift detection. Astronomy and Astrophysics, 2018, 620, L8.	5.1	41
31	New inclination changing eclipsing binaries in the Magellanic Clouds. Astronomy and Astrophysics, 2018, 609, A46.	5.1	13
32	Evidence for very early migration of the Solar System planets from the Patroclusâ€“Menoetius binary Jupiter Trojan. Nature Astronomy, 2018, 2, 878-882.	10.1	104
33	The Random Walk of Cars and Their Collision Probabilities with Planets. Aerospace, 2018, 5, 57.	2.2	4
34	YORP and Yarkovsky effects in asteroids (1685) Toro, (2100) Ra-Shalom, (3103) Eger, and (161989) Cacus. Astronomy and Astrophysics, 2018, 609, A86.	5.1	26
35	The young Datura asteroid family. Astronomy and Astrophysics, 2017, 598, A91.	5.1	31
36	Escape of asteroids from the main belt. Astronomy and Astrophysics, 2017, 598, A52.	5.1	77

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37	Forming the Flora Family: Implications for the Near-Earth Asteroid Population and Large Terrestrial Planet Impactors. Astronomical Journal, 2017, 153, 172.	4.7	33
38	Detailed Analysis of the Asteroid Pair (6070) Rheinland and (54827) 2001 NQ8. Astronomical Journal, 2017, 153, 270.	4.7	21
39	Detection of the Yarkovsky effect for C-type asteroids in the Veritas family. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4400-4413.	4.4	19
40	Origin and Evolution of Short-period Comets. Astrophysical Journal, 2017, 845, 27.	4.5	106
41	Low-frequency Slivan states in the outer main belt?. Astronomy and Astrophysics, 2016, 586, A61.	5.1	0
42	NEPTUNEâ€™S ORBITAL MIGRATION WAS GRAINY, NOT SMOOTH. Astrophysical Journal, 2016, 825, 94.	4.5	124
43	Asteroids 87887 â€“ 415992: the youngest known asteroid pair?. Astronomy and Astrophysics, 2016, 595, A20.	5.1	14
44	THE ORBITAL DISTRIBUTION OF TRANS-NEPTUNIAN OBJECTS BEYOND 50 au. Astrophysical Journal Letters, 2016, 827, L35.	8.3	37
45	DYNAMICS AND TRANSIT VARIATIONS OF RESONANT EXOPLANETS. Astrophysical Journal, 2016, 823, 72.	4.5	51
46	CAPTURE OF TRANS-NEPTUNIAN PLANETESIMALS IN THE MAIN ASTEROID BELT. Astronomical Journal, 2016, 152, 39.	4.7	100
47	Secular dynamics of gravitationally bound pair of binaries. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3964-3975.	4.4	16
48	Î¾Tauri: a unique laboratory to study the dynamic interaction in a compact hierarchical quadruple system. Astronomy and Astrophysics, 2016, 594, A55.	5.1	22
49	Distribution of spin-axes longitudes and shape elongations of main-belt asteroids. Astronomy and Astrophysics, 2016, 596, A57.	5.1	20
50	THE SCHULHOF FAMILY: SOLVING THE AGE PUZZLE. Astronomical Journal, 2016, 151, 56.	4.7	10
51	DETECTION OF THE YORP EFFECT FOR SMALL ASTEROIDS IN THE KARIN CLUSTER. Astronomical Journal, 2016, 151, 164.	4.7	22
52	Super-catastrophic disruption of asteroids at small perihelion distances. Nature, 2016, 530, 303-306.	27.8	161
53	Rotation state of 495 Eulalia and its implication. Astronomy and Astrophysics, 2016, 585, A56.	5.1	4
54	Near-Earth asteroid (3200) Phaethon: Characterization of its orbit, spin state, and thermophysical parameters. Astronomy and Astrophysics, 2016, 592, A34.	5.1	73

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55	Direct Detections of the Yarkovsky Effect: Status and Outlook. Proceedings of the International Astronomical Union, 2015, 10, 250-258.	0.0	8
56	Link between the potentially hazardous Asteroid (86039) 1999 NC43 and the Chelyabinsk meteoroid tenuous. Icarus, 2015, 252, 129-143.	2.5	11
57	The Yarkovsky effect for 99942 Apophis. Icarus, 2015, 252, 277-283.	2.5	33
58	Dating the Moon-forming impact event with asteroidal meteorites. Science, 2015, 348, 321-323.	12.6	94
59	Secular motion in a hierarchic triple stellar system. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1691-1703.	4.4	11
60	The OSIRISâ€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
61	TILTING JUPITER (A BIT) AND SATURN (A LOT) DURING PLANETARY MIGRATION. Astrophysical Journal, 2015, 806, 143.	4.5	62
62	RADAR DETECTABILITY STUDIES OF SLOW AND SMALL ZODIACAL DUST CLOUD PARTICLES. II. A STUDY OF THREE RADARS WITH DIFFERENT SENSITIVITY. Astrophysical Journal, 2015, 807, 13.	4.5	15
63	In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. Icarus, 2015, 247, 191-217.	2.5	125
64	Inner main belt asteroids in Slivan states?. Astronomy and Astrophysics, 2015, 579, A14.	5.1	10
65	ORBITAL PERTURBATIONS OF THE GALILEAN SATELLITES DURING PLANETARY ENCOUNTERS. Astronomical Journal, 2014, 148, 25.	4.7	57
66	DYNAMICAL MODEL FOR THE TOROIDAL SPORADIC METEORS. Astrophysical Journal, 2014, 789, 25.	4.5	69
67	CONSTRAINING THE PHYSICAL PROPERTIES OF NEAR-EARTH OBJECT 2009 BD. Astrophysical Journal, 2014, 786, 148.	4.5	35
68	CAPTURE OF IRREGULAR SATELLITES AT JUPITER. Astrophysical Journal, 2014, 784, 22.	4.5	89
69	The tumbling spin state of (99942) Apophis. Icarus, 2014, 233, 48-60.	2.5	87
70	RADAR DETECTABILITY STUDIES OF SLOW AND SMALL ZODIACAL DUST CLOUD PARTICLES. I. THE CASE OF ARECIBO 430 MHz METEOR HEAD ECHO OBSERVATIONS. Astrophysical Journal, 2014, 796, 41.	4.5	33
71	EXCITATION OF THE ORBITAL INCLINATION OF IAPETUS DURING PLANETARY ENCOUNTERS. Astronomical Journal, 2014, 148, 52.	4.7	42
72	TRANSIT TIMING VARIATIONS FOR PLANETS CO-ORBITING IN THE HORSESHOE REGIME. Astrophysical Journal, 2014, 791, 6.	4.5	38

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73	THE EFFECT OF CONJUNCTIONS ON THE TRANSIT TIMING VARIATIONS OF EXOPLANETS. Astrophysical Journal, 2014, 790, 58.	4.5	70
74	Orbit and bulk density of the OSIRIS-REx target Asteroid (101955) Bennu. Icarus, 2014, 235, 5-22.	2.5	193
75	Observations of â€œfreshâ€•and weathered surfaces on asteroid pairs and their implications on the rotational-fission mechanism. Icarus, 2014, 233, 9-26.	2.5	38
76	Trajectory and physical properties of near-Earth asteroid 2009 BD. Proceedings of the International Astronomical Union, 2014, 9, 142-145.	0.0	1
77	Ã–pik-type collision probability for high-inclination orbits: Targets on eccentric orbits. Icarus, 2013, 226, 682-693.	2.5	23
78	Black rain: The burial of the Galilean satellites in irregular satellite debris. Icarus, 2013, 223, 775-795.	2.5	30
79	Introducing the Eulalia and new Polana asteroid families: Re-assessing primitive asteroid families in the inner Main Belt. Icarus, 2013, 225, 283-297.	2.5	105
80	Near Earth Asteroids with measurable Yarkovsky effect. Icarus, 2013, 224, 1-13.	2.5	122
81	CAPTURE OF TROJANS BY JUMPING JUPITER. Astrophysical Journal, 2013, 768, 45.	4.5	203
82	Constraining the cometary flux through the asteroid belt duringÂtheÂlate heavy bombardment. Astronomy and Astrophysics, 2013, 551, A117.	5.1	106
83	DETECTION OF SEMIMAJOR AXIS DRIFTS IN 54 NEAR-EARTH ASTEROIDS: NEW MEASUREMENTS OF THE YARKOVSKY EFFECT. Astronomical Journal, 2012, 144, 60.	4.7	55
84	An Archaean heavy bombardment from a destabilized extension of the asteroid belt. Nature, 2012, 485, 78-81.	27.8	345
85	Stress field and spin axis relaxation for inelastic triaxial ellipsoids. Monthly Notices of the Royal Astronomical Society, 2012, 427, 755-769.	4.4	20
86	Analysis of the rotation period of asteroids (1865)ÂCerberus, (2100)ÂRa-Shalom, and (3103)ÂEger â€“ search for the YORP effect. Astronomy and Astrophysics, 2012, 547, A10.	5.1	43
87	Thermal stresses in small meteoroids. Astronomy and Astrophysics, 2012, 539, A25.	5.1	7
88	Binary asteroid population. 2. Anisotropic distribution of orbit poles of small, inner main-belt binaries. Icarus, 2012, 218, 125-143.	2.5	33
89	Ã–pik-type collision probability for high-inclination orbits. Icarus, 2012, 219, 150-160.	2.5	26
90	Sun-grazing orbit of the unusual near-Earth object 2004 LG. Astronomy and Astrophysics, 2012, 541, A109.	5.1	6

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91	DYNAMICS OF DUST PARTICLES RELEASED FROM OORT CLOUD COMETS AND THEIR CONTRIBUTION TO RADAR METEORS. Astrophysical Journal, 2011, 743, 37.	4.5	58
92	DYNAMICAL MODEL FOR THE ZODIACAL CLOUD AND SPORADIC METEORS. Astrophysical Journal, 2011, 743, 129.	4.5	129
93	Yarkovsky-O'Keefe-Radzievskii-Paddack effect with anisotropic radiation. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2807-2816.	4.4	12
94	Did the Hilda collisional family form during the late heavy bombardment?. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2716-2727.	4.4	38
95	Secular theory of the orbital evolution of the young stellar disc in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1023-1032.	4.4	20
96	Yarkovsky-Oâ€™Keefe-Radzievskii-Paddack effect on tumbling objects. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2478-2499.	4.4	17
97	Solar radiation pressure on (99942) Apophis. Icarus, 2011, 211, 511-518.	2.5	19
98	SPIN VECTOR AND SHAPE OF (6070) RHEINLAND AND THEIR IMPLICATIONS. Astronomical Journal, 2011, 142, 159.	4.7	23
99	OBSERVED BINARY FRACTION SETS LIMITS ON THE EXTENT OF COLLISIONAL GRINDING IN THE KUIPER BELT. Astronomical Journal, 2011, 141, 159.	4.7	50
100	HALF-BROTHERS IN THE SCHULHOF FAMILY?. Astronomical Journal, 2011, 142, 26.	4.7	18
101	SEARCHING FOR TROJAN ASTEROIDS IN THE HD 209458 SYSTEM: SPACE-BASEDMOSTPHOTOMETRY AND DYNAMICAL MODELING. Astrophysical Journal, 2010, 716, 315-323.	4.5	32
102	COMETARY ORIGIN OF THE ZODIACAL CLOUD AND CARBONACEOUS MICROMETEORITES. IMPLICATIONS FOR HOT DEBRIS DISKS. Astrophysical Journal, 2010, 713, 816-836.	4.5	422
103	Using the youngest asteroid clusters to constrain the space weathering and gardening rate on S-complex asteroids. Icarus, 2010, 208, 758-772.	2.5	36
104	Light-time computations for the BepiColombo Radio Science Experiment. Celestial Mechanics and Dynamical Astronomy, 2010, 107, 285-298.	1.4	24
105	Do planetary encounters reset surfaces of near Earth asteroids?. Icarus, 2010, 209, 510-519.	2.5	49
106	Analytical YORP torques model with an improved temperature distribution function. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1933-1949.	4.4	13
107	Formation of asteroid pairs by rotational fission. Nature, 2010, 466, 1085-1088.	27.8	171
108	THE IRREGULAR SATELLITES: THE MOST COLLISIONALLY EVOLVED POPULATIONS IN THE SOLAR SYSTEM. Astronomical Journal, 2010, 139, 994-1014.	4.7	103

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109	COLLISIONALLY BORN FAMILY ABOUT 87 SYLVIA. Astronomical Journal, 2010, 139, 2148-2158.	4.7	18
110	A UNIFIED SOLUTION FOR THE ORBIT AND LIGHT-TIME EFFECT IN THE V505 Sgr SYSTEM. Astronomical Journal, 2010, 139, 2258-2268.	4.7	8
111	Thermal stresses in small meteoroids. Astronomy and Astrophysics, 2010, 519, A75.	5.1	18
112	(3749) BALAM: A VERY YOUNG MULTIPLE ASTEROID SYSTEM. Astrophysical Journal, 2009, 706, L37-L40.	4.5	26
113	The YORP effect on 25â€‰143 Itokawa. Astronomy and Astrophysics, 2009, 507, 1073-1081.	5.1	32
114	THE COMMON ROOTS OF ASTEROIDS (6070) RHEINLAND AND (54827) 2001 NQ8. Astronomical Journal, 2009, 137, 111-117.	4.7	30
115	CHAOTIC CAPTURE OF NEPTUNE TROJANS. Astronomical Journal, 2009, 137, 5003-5011.	4.7	57
116	Asteroidal source of L chondrite meteorites. Icarus, 2009, 200, 698-701.	2.5	103
117	Analysis of the Hungaria asteroid population. Icarus, 2009, 204, 172-182.	2.5	58
118	Significance analysis of asteroid pairs. Icarus, 2009, 204, 580-588.	2.5	53
119	Relativistic models for the BepiColombo radioscience experiment. Proceedings of the International Astronomical Union, 2009, 5, 356-365.	0.0	7
120	Datura family: the 2009 update. Astronomy and Astrophysics, 2009, 507, 495-504.	5.1	27
121	Spin rate distribution of small asteroids. Icarus, 2008, 197, 497-504.	2.5	109
122	Asteroid families in the first-order resonances with Jupiter. Monthly Notices of the Royal Astronomical Society, 2008, 390, 715-732.	4.4	63
123	IRREGULAR SATELLITE CAPTURE BY EXCHANGE REACTIONS. Astronomical Journal, 2008, 136, 1463-1476.	4.7	39
124	New photometric observations of asteroids (1862)ÂApollo and (25143)Âltokawa â€“ an analysis of YORP effect. Astronomy and Astrophysics, 2008, 488, 345-350.	5.1	45
125	Vanishing torque from radiation pressure. Astronomy and Astrophysics, 2008, 480, 1-3.	5.1	16
126	Evolution of Dust Trails into Bands. Astrophysical Journal, 2008, 672, 696-712.	4.5	18

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127	ON A SCATTERED-DISK ORIGIN FOR THE 2003 EL₆₁COLLISIONAL FAMILYâ€"AN EXAMPLE OF THE IMPORTANCE OF COLLISIONS ON THE DYNAMICS OF SMALL BODIES. Astronomical Journal, 2008, 136, 1079-1088.	4.7	51
128	PAIRS OF ASTEROIDS PROBABLY OF A COMMON ORIGIN. Astronomical Journal, 2008, 136, 280-290.	4.7	92
129	Origin of the Near-Ecliptic Circumsolar Dust Band. Astrophysical Journal, 2008, 679, L143-L146.	4.5	76
130	ANALYTIC THEORY FOR THE YARKOVSKY-O'KEEFE-RADZIEVSKI-PADDACK EFFECT ON OBLIQUITY. Astronomical Journal, 2008, 136, 291-299.	4.7	23
131	ORBITAL IDENTIFICATION FOR ASTEROID 152563 (1992 BF) THROUGH THE YARKOVSKY EFFECT. Astronomical Journal, 2008, 135, 2336-2340.	4.7	33
132	Detection of the YORP effect in asteroid (1620)ÂGeographos. Astronomy and Astrophysics, 2008, 489, L25-L28.	5.1	64
133	Direct Detection of the Asteroidal YORP Effect. Science, 2007, 316, 272-274.	12.6	146
134	Spin Rate of Asteroid (54509) 2000 PH5 Increasing Due to the YORP Effect. Science, 2007, 316, 274-277.	12.6	147
135	Analytic Theory of the YORP Effect for Near-Spherical Objects. Astronomical Journal, 2007, 134, 1750-1768.	4.7	42
136	Capture of Irregular Satellites during Planetary Encounters. Astronomical Journal, 2007, 133, 1962-1976.	4.7	181
137	Thermal forces on planetary ring particles: application to the main system of Saturn. Astronomy and Astrophysics, 2007, 471, 717-730.	5.1	10
138	Radiation-induced torques on spheroids. Astronomy and Astrophysics, 2007, 471, 345-353.	5.1	14
139	Generalized YORP evolution: Onset of tumbling and new asymptotic states. Icarus, 2007, 191, 636-650.	2.5	54
140	An asteroid breakup 160â€‰Myr ago as the probable source of the K/T impactor. Nature, 2007, 449, 48-53.	27.8	156
141	Express delivery of fossil meteorites from the inner asteroid belt to Sweden. Icarus, 2007, 188, 400-413.	2.5	44
142	THE YARKOVSKY AND YORP EFFECTS: Implications for Asteroid Dynamics. Annual Review of Earth and Planetary Sciences, 2006, 34, 157-191.	11.0	573
143	Candidates for Asteroid Dust Trails. Astronomical Journal, 2006, 132, 582-595.	4.7	17
144	New Candidates for Recent Asteroid Breakups. Astronomical Journal, 2006, 132, 1950-1958.	4.7	79

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145	A late Miocene dust shower from the break-up of an asteroid in the main belt. Nature, 2006, 439, 295-297.	27.8	90
146	Physical properties of asteroid dust bands and their sources. Icarus, 2006, 181, 107-144.	2.5	81
147	Yarkovsky/YORP chronology of asteroid families. Icarus, 2006, 182, 118-142.	2.5	158
148	Secular spin dynamics of inner main-belt asteroids. Icarus, 2006, 184, 1-28.	2.5	39
149	Spin axis of (2953) Vysheslavia and its implications. Icarus, 2006, 180, 217-223.	2.5	5
150	Yarkovsky footprints in the Eos family. Icarus, 2006, 182, 92-117.	2.5	94
151	The peculiar case of the Agnia asteroid family. Icarus, 2006, 183, 349-361.	2.5	42
152	The Breakup of a Main-Belt Asteroid 450 Thousand Years Ago. Science, 2006, 312, 1490-1490.	12.6	71
153	Yarkovsky effect on a body with variable albedo. Astronomy and Astrophysics, 2006, 459, 275-282.	5.1	4
154	Efficient Lie-Poisson Integrator for Secular Spin Dynamics of Rigid Bodies. Astronomical Journal, 2005, 130, 1267-1277.	4.7	23
155	Asteroid families. Proceedings of the International Astronomical Union, 2005, 1, 289-299.	0.0	16
156	Non-gravitational forces acting on small bodies. Proceedings of the International Astronomical Union, 2005, 1, 351-365.	0.0	2
157	Yarkovsky detection opportunities. I. Solitary asteroids. Icarus, 2005, 173, 166-184.	2.5	23
158	The fossilized size distribution of the main asteroid belt. Icarus, 2005, 175, 111-140.	2.5	479
159	The spin state of 433 Eros and its possible implications. Icarus, 2005, 175, 419-434.	2.5	13
160	Linking the collisional history of the main asteroid belt to its dynamical excitation and depletion. Icarus, 2005, 179, 63-94.	2.5	394
161	Yarkovsky detection opportunitiesII. Binary systems. Icarus, 2005, 179, 128-138.	2.5	17
162	Yarkovsky origin of the unstable asteroids in the 2/1 mean motion resonance with Jupiter. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1437-1455.	4.4	19

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163	Generalized Hansen Coefficients. Celestial Mechanics and Dynamical Astronomy, 2004, 88, 153-161.	1.4	4
164	The YORP effect with finite thermal conductivity. Icarus, 2004, 172, 526-536.	2.5	153
165	Semianalytic theory of motion for close-Earth spherical satellites including drag and gravitational perturbations. Planetary and Space Science, 2004, 52, 1233-1249.	1.7	21
166	LAGEOS asymmetric reflectivity and corner cube reflectors. Journal of Geophysical Research, 2004, 109, .	3.3	2
167	Radar observations of asteroid 25143 Itokawa (1998 SF36). Meteoritics and Planetary Science, 2004, 39, 407-424.	1.6	66
168	Accurate model for the Yarkovsky effect. Proceedings of the International Astronomical Union, 2004, 2004, 171-178.	0.0	5
169	Non-gravitational perturbations and evolution of the asteroid main belt. Proceedings of the International Astronomical Union, 2004, 2004, 145-156.	0.0	2
170	The population of asteroids in the 2:1 mean motion resonance with Jupiter revised. Proceedings of the International Astronomical Union, 2004, 2004, 179-186.	0.0	0
171	The origin and evolution of stony meteorites. Proceedings of the International Astronomical Union, 2004, 2004, 357-374.	0.0	6
172	Detectability of YORP rotational slowing of asteroid 25143 Itokawa. Astronomy and Astrophysics, 2004, 414, L21-L24.	5.1	22
173	The shallow magnitude distribution of asteroid families. Icarus, 2003, 162, 328-336.	2.5	31
174	The Yarkovsky-driven origin of near-Earth asteroids. Icarus, 2003, 163, 120-134.	2.5	130
175	The vector alignments of asteroid spins by thermal torques. Nature, 2003, 425, 147-151.	27.8	182
176	Direct Detection of the Yarkovsky Effect by Radar Ranging to Asteroid 6489 Golevka. Science, 2003, 302, 1739-1742.	12.6	172
177	Physics of the Solar System. Astrophysics and Space Science Library, 2003, , .	2.7	102
178	Testing general relativity with the BepiColombo radio science experiment. Physical Review D, 2002, 66, .	4.7	114
179	The Flora Family: A Case of the Dynamically Dispersed Collisional Swarm?. Icarus, 2002, 157, 155-172.	2.5	139
180	YORP-Induced Long-Term Evolution of the Spin State of Small Asteroids and Meteoroids: Rubincam's Approximation. Icarus, 2002, 159, 449-467.	2.5	146

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181	The Yarkovsky thermal force on small asteroids and their fragments. Astronomy and Astrophysics, 2001, 371, 350-353.	5.1	15
182	Gravity field and rotation state of Mercury from the BepiColombo Radio Science Experiments. Planetary and Space Science, 2001, 49, 1579-1596.	1.7	81
183	Yarkovsky-Driven Leakage of Koronis Family Members I. The Case of 2953 Vysheslavia. Icarus, 2001, 150, 78-93.	2.5	22
184	On the observability of radiation forces acting on near-Earth asteroids. Celestial Mechanics and Dynamical Astronomy, 2001, 81, 149-165.	1.4	8
185	Dynamical Spreading of Asteroid Families by the Yarkovsky Effect. Science, 2001, 294, 1693-1696.	12.6	172
186	The Depletion of the Putative Vulcanoid Population via the Yarkovsky Effect. Icarus, 2000, 148, 147-152.	2.5	22
187	Yarkovsky Effect on Small Near-Earth Asteroids: Mathematical Formulation and Examples. Icarus, 2000, 148, 118-138.	2.5	118
188	Efficient delivery of meteorites to the Earth from a wide range of asteroid parent bodies. Nature, 2000, 407, 606-608.	27.8	105
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