

SÅ,awomir Breiter

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Galactic and stellar perturbations of long-period comet motion. <i>Astronomy and Astrophysics</i> , 2022, 657, A65.	5.1	6
2	Analytical solution of the Colombo top problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020, 132, 1.	1.4	8
3	The Lissajous–Kustaanheimo–Stiefel transformation. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2019, 131, 1.	1.4	5
4	Resonant dynamics of gravitationally bound pair of binaries: the case of 1:1 resonance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5215-5230.	4.4	14
5	The extended Lissajous–Levi-Civita transformation. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	5
6	Kustaanheimo–Stiefel transformation with an arbitrary defining vector. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 128, 323-342.	1.4	7
7	Tumbling asteroid rotation with the YORP torque and inelastic energy dissipation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2489-2497.	4.4	10
8	KS variables in rotating reference frame. Application to cometary dynamics. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	3
9	Secular motion in a hierarchic triple stellar system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1691-1703.	4.4	11
10	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
11	Analysis of the rotation period of asteroids (1865) <i>Cerberus</i> , (2100) <i>Ra-Shalom</i> , and (3103) <i>Eger</i> – search for the YORP effect. <i>Astronomy and Astrophysics</i> , 2012, 547, A10.	5.1	43
12	Yarkovsky-O'Keefe-Radzievskii-Paddack effect with anisotropic radiation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2807-2816.	4.4	12
13	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
14	YORP torques with 1D thermal model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1576-1589.	4.4	11
15	Orbital similarity functions - application to asteroid pairs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	4
16	Analytical YORP torques model with an improved temperature distribution function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1933-1949.	4.4	13
17	The YORP effect on 25%143 Itokawa. <i>Astronomy and Astrophysics</i> , 2009, 507, 1073-1081.	5.1	32
18	Spurious structures in chaos indicators maps. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 1697-1714.	5.1	48

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19	Stationary orbits of comets perturbed by Galactic tides. Monthly Notices of the Royal Astronomical Society, 2008, 383, 200-208.	4.4	12
20	YORP torque as the function of shape harmonics. Monthly Notices of the Royal Astronomical Society, 2008, 388, 927-944.	4.4	12
21	Radiation-induced torques on spheroids. Astronomy and Astrophysics, 2008, 483, 939-939.	5.1	1
22	Radiation-induced torques on spheroids. Astronomy and Astrophysics, 2007, 471, 345-353.	5.1	14
23	Generalized YORP evolution: Onset of tumbling and new asymptotic states. Icarus, 2007, 191, 636-650.	2.5	54
24	New findings on asteroid spin-vector distributions. Icarus, 2007, 192, 223-237.	2.5	60
25	Two fast integrators for the Galactic tide effects in the Oort Cloud. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1151-1162.	4.4	14
26	Regular and chaotic motion of high altitude satellites. Advances in Space Research, 2007, 40, 134-142.	2.6	19
27	Methods for the Study of the Dynamics of the Oort Cloud Comets II: Modelling the Galactic Tide. , 2007, , 273-296.		3
28	Critical inclination in the main problem of a massive satellite. Celestial Mechanics and Dynamical Astronomy, 2006, 95, 287-297.	1.4	8
29	Ellipsoids, material points and material segments. Celestial Mechanics and Dynamical Astronomy, 2006, 96, 31-48.	1.4	21
30	Efficient Lie-Poisson Integrator for Secular Spin Dynamics of Rigid Bodies. Astronomical Journal, 2005, 130, 1267-1277.	4.7	23
31	Long-term predictability of orbits around the geosynchronous altitude. Advances in Space Research, 2005, 35, 1313-1317.	2.6	31
32	Vectorial elements for the Galactic disc tide effects in cometary motion. Monthly Notices of the Royal Astronomical Society, 2005, 364, 1222-1228.	4.4	39
33	Analytical investigation of the orbital structure close to the 1:1:1 resonance in spheroidal galaxies. Astronomy and Astrophysics, 2005, 431, 1145-1155.	5.1	2
34	Synchronous motion in the Kinoshita problem. Astronomy and Astrophysics, 2005, 437, 753-764.	5.1	37
35	Eclipsing binary asteroid 90 Antiope. Astronomy and Astrophysics, 2004, 423, 1159-1168.	5.1	20
36	Generalized Hansen Coefficients. Celestial Mechanics and Dynamical Astronomy, 2004, 88, 153-161.	1.4	4

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37	Double Material Segment as the Model of Irregular Bodies. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2003, 86, 131-141.	1.4	36
38	Extended Fundamental Model of Resonance. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2003, 85, 209-218.	1.4	12
39	Ptolemaic Transformation in Keplerian Problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2002, 84, 319-330.	1.4	2
40	Long-term evolution of disposal orbits beyond the geostationary ring. <i>Advances in Space Research</i> , 2001, 28, 1409-1414.	2.6	4
41	Pseudo-oscillator with a quartic perturbation. <i>Mechanics Research Communications</i> , 2001, 28, 119-126.	1.8	5
42	On the coupling of lunisolar resonances for Earth satellite orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2001, 80, 1-20.	1.4	21
43	Lunisolar Resonances Revisited. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2001, 81, 81-91.	1.4	41
44	Lunisolar Resonances Revisited. , 2001, , 81-91.		6
45	Explicit Symplectic Integrator for Rotating Satellites. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2000, 77, 127-137.	1.4	3
46	The Prograde C7 Resonance for Earth and Mars Satellite Orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2000, 77, 201-214.	1.4	9
47	Lommel Functions in some Drag-Perturbed Problems. <i>International Astronomical Union Colloquium</i> , 1999, 172, 437-438.	0.1	0
48	Lunisolar Apsidal Resonances at low Satellite Orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1999, 74, 253-274.	1.4	23
49	Symplectic Mapping for Satellites and Space Debris Including Nongravitational Forces. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1998, 71, 79-94.	1.4	8
50	Explicit Symplectic Integrator for Highly Eccentric Orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1998, 71, 229-241.	1.4	8
51	Unified analytical solutions to two-body problems with drag. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 299, 237-243.	4.4	22
52	Semi-Analytical and Semi-Numerical Methods in Celestial Mechanics. <i>International Astronomical Union Colloquium</i> , 1997, 165, 411-418.	0.1	0
53	SECOND-ORDER SOLUTION FOR THE ZONAL PROBLEM OF SATELLITE THEORY. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1997, 67, 237-249.	1.4	8
54	On the numerical transformation of variables in perturbation theory. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1997, 65, 345-354.	1.4	6

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55	Keplerian expansions in terms of Henrard's practical variables. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1994, 58, 237-244.	1.4	5
56	First-order theory of weakly eccentric orbital motion. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1994, 60, 191-206.	1.4	4
57	The motion of natural and artificial satellites in Mars gravity field. <i>Advances in Space Research</i> , 1991, 11, 183-188.	2.6	5
58	Tesseral harmonic perturbations in radial transverse and binormal components. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1990, 48, 375-385.	1.4	12
59	The long-term stability of extrasolar system HD 37124. Numerical study of resonance effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 383, 989-999.	4.4	43