Krzyszof Gozdziewski

List of Publications by Citations

78 papers	1,998 citations	32 h-index	42 g-index
81 ext. papers	2,219 ext. citations	3.7 avg, IF	5.07 L-index

#	Paper	IF	Citations
78	Global dynamics of planetary systems with the MEGNO criterion. *Astronomy and Astrophysics*, **2001**, 378, 569-586	5.1	93
77	Multiple mean motion resonances in the HR 8799 planetary system. *Monthly Notices of the Royal Astronomical Society*, **2014**, 440, 3140-3171	4.3	76
76	Is the HR 8799 extrasolar system destined for planetary scattering?. *Monthly Notices of the Royal Astronomical Society: Letters*, **2009**, 397, L16-L20	4.3	72
75	A PLANET IN A 0.6 AU ORBIT AROUND THE K0 GIANT HD 102272. *Astrophysical Journal*, **2009**, 693, 276-280	4.7	69
74	Dynamical Analysis of the Orbital Parameters of the HD 82943 Planetary System. *Astrophysical Journal*, **2001**, 563, L81-L85	4.7	67
73	Trojan Pairs in the HD 128311 and HD 82943 Planetary Systems?. *Astrophysical Journal*, **2006**, 647, 573-586	4.7	62
72	New light-travel time models and orbital stability study of the proposed planetary system HU Aquarii. *Monthly Notices of the Royal Astronomical Society*, **2012**, 420, 3609-3620	4.3	59
71	Application of the MEGNO technique to the dynamics of Jovian irregular satellites. *Monthly Notices of the Royal Astronomical Society*, **2010**, 404, 837-857	4.3	59
70	First results from the Calan-Hertfordshire Extrasolar Planet Search: exoplanets and the discovery of an eccentric brown dwarf in the desert?. *Monthly Notices of the Royal Astronomical Society*, **2009**, 398, 911-917	4.3	57
69	The Laplace resonance in the Kepler-60 planetary system. *Monthly Notices of the Royal Astronomical Society: Letters*, **2015**, 455, L104-L108	4.3	56
68	On the HU Aquarii planetary system hypothesis. *Monthly Notices of the Royal Astronomical Society*, **2012**, 425, 930-949	4.3	54
67	On the Extrasolar Multiplanet System around HD 160691. *Astrophysical Journal*, **2007**, 657, 546-558	4.7	50
66	Global dynamics of the Gliese 876 planetary system. *Monthly Notices of the Royal Astronomical Society*, **2002**, 332, 839-855	4.3	50
65	Orbital Configurations and Dynamical Stability of Multiplanet Systems around Sun-like Stars HD 202206, 14 Herculis, HD 37124, and HD 108874. *Astrophysical Journal*, **2006**, 645, 688-703	4.7	47
64	Where is the Second Planet in the HD 160691 Planetary System?. *Astrophysical Journal*, **2003**, 594, 1019-1032	4.7	46
63	A dynamical analysis of the Kepler-11 planetary system. *Monthly Notices of the Royal Astronomical Society*, **2012**, 427, 770-789	4.3	44
62	The HU Aqr planetary system hypothesis revisited. *Monthly Notices of the Royal Astronomical Society*, **2015**, 448, 1118-1136	4.3	41

61	Multi-site campaign for transit timing variations of WASP-12 b: possible detection of a long-period signal of planetary origin. *Astronomy and Astrophysics*, **2013**, 551, A108	5.1	41
60	Long-Term Stability and Dynamical Environment of the PSR 1257+12 Planetary System. *Astrophysical Journal*, **2005**, 619, 1084-1097	4.7	41
59	PREDICTING A THIRD PLANET IN THE KEPLER-47 CIRCUMBINARY SYSTEM. *Astrophysical Journal*, **2015**, 799, 88	4.7	39
58	Planetary nebulae with emission-line central stars. *Astronomy and Astrophysics*, **2006**, 451, 925-935	5.1	39
57	Nonlinear Stability of the Lagrangian Libration Points in the Chermnykh Problem **1998**, 70, 41-58		38
56	The long-term stability of extrasolar system HD 37124. Numerical study of resonance effects. *Monthly Notices of the Royal Astronomical Society*, **2007**, 383, 989-999	4.3	38
55	Testing a hypothesis of the Octantis planetary system. *Monthly Notices of the Royal Astronomical Society*, **2013**, 430, 533-545	4.3	37
54	Orbital Solutions to the HD 160691 (Arae) Doppler Signal. *Astrophysical Journal*, **2005**, 622, 1136-1148	4.7	37
53	Revisiting the proposed circumbinary multiplanet system NSVS 14256825. *Monthly Notices of the Royal Astronomical Society*, **2014**, 438, 307-317	4.3	36
52	The Successful Prediction of the Extrasolar Planet HD 74156d. *Astrophysical Journal*, **2008**, 680, L57-L60	4.7	36
51	The Janus Head of the HD 12661 Planetary System. *Astrophysical Journal*, **2003**, 586, L153-L156	4.7	35
50	Stability of the 47 UMa planetary system. *Astronomy and Astrophysics*, **2002**, 393, 997-1013	5.1	33
49	Dynamical Properties of the Multiplanet System around HD 169830. *Astrophysical Journal*, **2004**, 610, 1093-1106	4.7	33
48	The non-resonant, relativistic dynamics of circumbinary planets. *Monthly Notices of the Royal Astronomical Society*, **2011**, 411, 565-583	4.3	32
47	Stability of the HD 12661 Planetary System. *Astronomy and Astrophysics*, **2003**, 398, 1151-1161	5.1	32
46	Is There a Circumbinary Planet around NSVS 14256825?. *Astronomical Journal*, **2017**, 153, 137	4.9	30
45	A secular theory of coplanar, non-resonant planetary system. *Monthly Notices of the Royal Astronomical Society*, **2008**, 388, 789-802	4.3	30
44	The reversibility error method (REM): a new, dynamical fast indicator for planetary dynamics. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 469-491	4.3	29

43	The origin and 9:7 MMR dynamics of the Kepler-29 system. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 2366-2380	4.3	28
42	Unrestricted Planar Problem of a Symmetric Body and a Point Mass. Triangular Libration Points and Their Stability. *Celestial Mechanics and Dynamical Astronomy*, **1999**, 75, 251-285	1.4	28
41	A dynamical analysis of the 14 Herculis planetary system. *Monthly Notices of the Royal Astronomical Society*, **2008**, 385, 957-966	4.3	24
40	A dynamical analysis of the HD 37124 planetary system. *Astronomy and Astrophysics*, **2003**, 398, 315-325	5.1	23
39	A linear distribution of orbits in compact planetary systems?. *Monthly Notices of the Royal Astronomical Society: Letters*, **2013**, 436, L25-L29	4.3	19
38	About putative Neptune-like extrasolar planetary candidates. *Astronomy and Astrophysics*, **2006**, 449, 1219-1232	5.1	17
37	Secular dynamics of a coplanar, non-resonant planetary system under the general relativity and quadrupole moment perturbations. *Monthly Notices of the Royal Astronomical Society*, **2009**, 392, 2-18	4.3	15
36	THE PROPOSED QUADRUPLE SYSTEM SZ HERCULIS: REVISED LITE MODEL AND ORBITAL STABILITY STUDY. *Astronomical Journal*, **2012**, 144, 34	4.9	15
35	Equilibria in the secular, non-co-planar two-planet problem. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 1777-1794	4.3	14
34	The Orbital Architecture and Debris Disks of the HR 8799 Planetary System. *Astrophysical Journal, Supplement Series*, **2018**, 238, 6	8	14
33	On the gravitational fields of Pandora and Prometheus. *Earth, Moon and Planets*, **1995**, 69, 25-50	0.6	13
32	Dynamics and stability of telluric planets within the habitable zone of extrasolar planetary systems. *Astronomy and Astrophysics*, **2008**, 488, 1133-1147	5.1	12
31	Stability of the Triangular Libration Points in the Unrestricted Planar Problem of a Symmetric Rigid Body and a Point Mass. *Celestial Mechanics and Dynamical Astronomy*, **2003**, 85, 79-103	1.4	12
30	The architecture and formation of the Kepler-30 planetary system. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 2480-2494	4.3	12
29	International observational campaigns of the last two eclipses in EE Cephei: 2003 and 2008/9. *Astronomy and Astrophysics*, **2012**, 544, A53	5.1	11
28	Relative equilibria in the unrestricted problem of a sphere and symmetric rigid body. *Monthly Notices of the Royal Astronomical Society*, **2010**, 403, 848-858	4.3	10
27	An Exact, Generalized Laplace Resonance in the HR 8799 Planetary System. *Astrophysical Journal Letters*, **2020**, 902, L40	7.9	10
26	Two Super-Earths in the 3:2 MMR around KOI-1599. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 4601-4616	4.3	9

25	Normalization algorithms of Hamiltonian near an equilibrium point. *Astrophysics and Space Science*, **1991**, 179, 1-11	1.6	9
24	System for normalization of a hamiltonian function based on lie series. *Celestial Mechanics and Dynamical Astronomy*, **1990**, 49, 1-10	1.4	9
23	Mechanic: The MPI/HDF code framework for dynamical astronomy. *New Astronomy*, **2015**, 34, 98-107	1.8	8
22	Search for exoplanets and brown dwarfs with VLBI. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 929-938	4.3	7
21	About stability of libration points in the restricted photogravitational three body problem. *Celestial Mechanics and Dynamical Astronomy*, **1991**, 52, 195-201	1.4	7
20	On the habitability of the OGLE-2006-BLG-109L planetary system. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 1204-1212	4.3	5
19	Another look at AM Herculis □adio-astrometric campaign with the e-EVN at 6 cm. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 1399-1409	4.3	5
18	Numerical evidence of nonintegrability of certain Lie-Poisson system. *Reports on Mathematical Physics*, **1999**, 44, 133-142	0.8	4
17	Rotational Dynamics of Janus and Epimetheus **1997**, 269-274		4
16	A periodic configuration of the Kepler-25 planetary system. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 1767-1777	4.3	3
15	Nonintegrability, Separatrices Crossing and Homoclinic Orbits in the Problem of Rotational Motion of a Satellite. *NATO ASI Series Series B: Physics*, **1992**, 145-159		3
14	Relativistic model of the Lidov-Kozai resonance in binaries. *EAS Publications Series*, **2010**, 42, 385-391	0.2	2
13	A model of the gravitational field of Amalthea. *Earth, Moon and Planets*, **1994**, 64, 243-264	0.6	2
12	Special Version of the Three Body Problem **1999**, 407-412		2
11	The two-body problem of a pseudo-rigid body and a rigid sphere. *Celestial Mechanics and Dynamical Astronomy*, **2012**, 112, 169-190	1.4	1
10	Stability constraints in modeling of multi-planet extrasolar systems. *Proceedings of the International Astronomical Union*, **2007**, 3, 447-460	0.1	1
9	Searching for integrable systems. An application of Kozlov theorem. *Reports on Mathematical Physics*, **2000**, 46, 175-182	0.8	1
8	Planet□lanet scattering in presence of a companion star. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 5050-5061	4.3	1

7	The Taylor series method for the problem of the rotational motion of a rigid satellite. *Astrophysics and Space Science*, **1995**, 232, 167-184	1.6	0
6	Searching for planets around eclipsing binary stars using timing method: NSVS 14256825. *Proceedings of the International Astronomical Union*, **2017**, 12, 405-406	0.1	
5	Review of the ultrafast time resolution photopolarimeters based on SPADs. *Proceedings of the International Astronomical Union*, **2013**, 9, 487-488	0.1	
4	Aspects on the Dynamics and Detection of Additional Circumbinary Extrasolar Planets. *Proceedings of the International Astronomical Union*, **2012**, 8, 133-139	0.1	
3	Rotational Dynamics of Janus and Epimetheus. *International Astronomical Union Colloquium*, **1997**, 165, 269-274		
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1	Perturbations of Small Moons Orbits due to their rotation: The Model Problem. *International Astronomical Union Colloquium*, **1999**, 172, 379-380		