

# JÃ¡n Budaj

## List of Publications by Year in descending order

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44  
papers

1,711  
citations

430874

18  
h-index

315739

38  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible Solutions to the Radius Anomalies of Transiting Giant Planets. <i>Astrophysical Journal</i> , 2007, 661, 502-514.	4.5	341
2	Theoretical Spectra and Light Curves of Closest Extrasolar Giant Planets and Comparison with Data. <i>Astrophysical Journal</i> , 2008, 678, 1436-1457.	4.5	256
3	Theoretical Spectral Models of the Planet HD 209458b with a Thermal Inversion and Water Emission Bands. <i>Astrophysical Journal</i> , 2007, 668, L171-L174.	4.5	225
4	THE REFLECTION EFFECT IN INTERACTING BINARIES OR IN PLANET-STAR SYSTEMS. <i>Astronomical Journal</i> , 2011, 141, 59.	4.7	67
5	High-precision photometry by telescope defocusing – VII. The ultrashort period planet WASP-103 – .... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 711-721.	4.4	66
6	Transit timing variation and activity in the WASP-10 planetary system – .... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1204-1212.	4.4	61
7	The Young Exoplanet Transit Initiative (YETI). <i>Astronomische Nachrichten</i> , 2011, 332, 547-561.	1.2	51
8	Light-curve analysis of KIC 12557548b: an extrasolar planet with a comet-like tail. <i>Astronomy and Astrophysics</i> , 2013, 557, A72.	5.1	45
9	Tables of phase functions, opacities, albedos, equilibrium temperatures, and radiative accelerations of dust grains in exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2-27.	4.4	45
10	Ground-based transit observations of the HAT-P-18, HAT-P-19, HAT-P-27/WASP40 and WASP-21 systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4060-4072.	4.4	38
11	The First Post-Kepler Brightness Dips of KIC 8462852. <i>Astrophysical Journal Letters</i> , 2018, 853, L8.	8.3	38
12	Photometric follow-up of the transiting planetary system TrES-3: transit timing variation and long-term stability of the system – .... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 944-953.	4.4	34
13	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
14	Revealing the Nature of Algol Disks through Optical and UV Spectroscopy, Synthetic Spectra, and Tomography of TT Hydrae. <i>Astrophysical Journal</i> , 2007, 656, 1075-1091.	4.5	31
15	The stellar content of the young open cluster Trumpler 37. <i>Astronomische Nachrichten</i> , 2013, 334, 673-681.	1.2	29
16	Neon abundances in normal late-B and mercury–manganese stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 1264-1272.	4.4	28
17	SPECTROSCOPIC METALLICITY DETERMINATIONS FOR W UMa-TYPE BINARY STARS. <i>Astronomical Journal</i> , 2013, 146, 70.	4.7	28
18	Investigation of a transiting planet candidate in Trumpler 37: An astrophysical false positive eclipsing spectroscopic binary star *. <i>Astronomische Nachrichten</i> , 2014, 335, 345-356.	1.2	27

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19	The very nearby M/T dwarf binary SCR 1845-6357. <i>Astronomy and Astrophysics</i> , 2007, 471, 655-659.	5.1	25
20	Mysterious eclipses in the light curve of KIC8462852: a possible explanation. <i>Astronomy and Astrophysics</i> , 2017, 600, A86.	5.1	25
21	Search for circumplanetary material and orbital period variations of short-period Kepler exoplanet candidates. <i>Astronomische Nachrichten</i> , 2014, 335, 1018-1036.	1.2	24
22	Evidence for enhanced chromospheric Ca II H and K emission in stars with close-in extrasolar planets. <i>Astronomy and Astrophysics</i> , 2012, 540, A82.	5.1	23
23	TRANSIENT JETS IN THE SYMBIOTIC PROTOTYPE Z ANDROMEDAE. <i>Astrophysical Journal</i> , 2009, 690, 1222-1235.	4.5	21
24	A Study of Synthetic and Observed H $\beta$ Spectra of TT Hydrae. <i>Astrophysical Journal</i> , 2005, 623, 411-424.	4.5	19
25	Effects of dust on light-curves of $\mu$ Aurigae-type stars. <i>Astronomy and Astrophysics</i> , 2011, 532, L12.	5.1	15
26	MODELING THE ACCRETION STRUCTURE OF AU Mon. <i>Astrophysical Journal</i> , 2012, 760, 134.	4.5	15
27	HD 99458: First time ever Ap-type star as a Scuti pulsator in a short period eclipsing binary?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4230-4237.	4.4	15
28	Day and night side core cooling of a strongly irradiated giant planet. <i>Astronomy and Astrophysics</i> , 2012, 537, A115.	5.1	15
29	Optically thin circumstellar medium in the $\tau^2$ Lyr A system. <i>Astronomy and Astrophysics</i> , 2021, 645, A51.	5.1	12
30	Physical properties of $\tau^2$ Lyrae A and its opaque accretion disk. <i>Astronomy and Astrophysics</i> , 2018, 618, A112.	5.1	11
31	Do the physical properties of Ap binaries depend on their orbital elements?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 310, 419-427.	4.4	9
32	Abundance analysis of Am binaries and search for tidally driven abundance anomalies – I. HD 33254, HD 178449 and HD 198391. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 27-36.	4.4	7
33	Abundance analysis of Am binaries and search for tidally driven abundance anomalies - III. HD 116657, HD 138213, HD 155375, HD 159560, HD 196544 and HD 204188. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1207-1216.		
34	Diagnosing the Clumpy Protoplanetary Disk of the UXor Type Young Star GM Cephei. <i>Astrophysical Journal</i> , 2019, 871, 183.	4.5	7
35	Abundance analysis of Am binaries and search for tidally driven abundance anomalies - II. HD 861, HD 18778, HD 20320, HD 29479, HD 96528 and HD 108651. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 819-827.	4.4	6
36	Lithium and metal abundances in long period Am binaries. <i>Astronomy and Astrophysics</i> , 1998, 128, 497-505.	2.1	6

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37	Radiative accelerations on Ne in the atmospheres of late B stars. Monthly Notices of the Royal Astronomical Society, 2002, 337, 1340-1348.	4.4	5
38	WD 1145+017: Alternative models of the atmosphere, dust clouds, and gas rings. Astronomy and Astrophysics, 0, , .	5.1	2
39	Synthetic Spectra and Light Curves of Interacting Binaries and Exoplanets with Circumstellar Material: SHELLSPEC. Proceedings of the International Astronomical Union, 2011, 7, 293-298.	0.0	1
40	Day-Night Side Cooling of a Strongly Irradiated Giant Planet. Proceedings of the International Astronomical Union, 2011, 7, 486-489.	0.0	0
41	Search for the Star-Planet Interaction. Proceedings of the International Astronomical Union, 2011, 7, 125-126.	0.0	0
42	Search for Tidally Driven Anomalies in the Atmospheres of Am Stars. Proceedings of the International Astronomical Union, 2011, 7, 299-300.	0.0	0
43	On the nature of the candidate T-Tauri star V501 Aurigae... Monthly Notices of the Royal Astronomical Society, 2017, 467, 4902-4913.	4.4	0
44	HD 183986: A High-contrast SB2 System with a Pulsating Component. Astronomical Journal, 2022, 163, 245.	4.7	0