

# Rachael M Roettenbacher

## List of Publications by Year in descending order

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29  
papers

512  
citations

687363

13  
h-index

677142

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

886  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ORBITS OF THE $\hat{\imath}^3$ -RAY BINARIES LS I +61 303 AND LS 5039. <i>Astrophysical Journal</i> , 2009, 698, 514-518.	4.5	102
2	The Stellar Activity of TRAPPIST-1 and Consequences for the Planetary Atmospheres. <i>Astrophysical Journal</i> , 2017, 851, 77.	4.5	63
3	IMAGING STARSPOT EVOLUTION ON <i>KEPLER</i> TARGET KIC 5110407 USING LIGHT-CURVE INVERSION. <i>Astrophysical Journal</i> , 2013, 767, 60.	4.5	59
4	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022, 163, 171.	4.7	27
5	Contemporaneous Imaging Comparisons of the Spotted Giant $\hat{\imath}^f$ Geminorum Using Interferometric, Spectroscopic, and Photometric Data. <i>Astrophysical Journal</i> , 2017, 849, 120.	4.5	26
6	Finding flares in <i>Kepler</i> data using machine-learning tools. <i>Astronomy and Astrophysics</i> , 2018, 616, A163.	5.1	26
7	The Connection between Starspots and Flares on Main-sequence Kepler Stars. <i>Astrophysical Journal</i> , 2018, 868, 3.	4.5	23
8	A STUDY OF DIFFERENTIAL ROTATION ON II PEGASI VIA PHOTOMETRIC STARSPOT IMAGING. <i>Astronomical Journal</i> , 2011, 141, 138.	4.7	22
9	Serendipitous Kepler observations of a background dwarf nova of SU UMa type. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1219-1230.	4.4	22
10	DETECTING THE COMPANIONS AND ELLIPSOIDAL VARIATIONS OF RS CVn PRIMARIES. I. <i>DRACONIS</i> . <i>Astrophysical Journal</i> , 2015, 807, 23.	4.5	21
11	A Volatile-poor Formation of LHS 3844b Based on Its Lack of Significant Atmosphere. <i>Planetary Science Journal</i> , 2020, 1, 36.	3.6	18
12	The Distance of the $\hat{\imath}^3$ -Ray Binary 1FGL J1018.6â€“5856. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 1262-1264.	3.1	14
13	DETECTING THE COMPANIONS AND ELLIPSOIDAL VARIATIONS OF RS CVn PRIMARIES. II. <i>DRACONIS</i> , A CANDIDATE FOR RECENT LOW-MASS COMPANION INGESTION. <i>Astrophysical Journal</i> , 2015, 809, 159.	4.5	13
14	Precision Orbit of $\hat{\imath}^r$ Delphini and Prospects for Astrometric Detection of Exoplanets. <i>Astrophysical Journal</i> , 2018, 855, 1.	4.5	12
15	KOI-1003: A NEW SPOTTED, ECLIPSING RS CVn BINARY IN THE KEPLER FIELD. <i>Astrophysical Journal</i> , 2016, 832, 207.	4.5	11
16	EXPRES. II. Searching for Planets around Active Stars: A Case Study of HD 101501. <i>Astronomical Journal</i> , 2021, 161, 26.	4.7	10
17	EXPRES. III. Revealing the Stellar Activity Radial Velocity Signature of $\hat{\imath}^{\mu}$ Eridani with Photometry and Interferometry. <i>Astronomical Journal</i> , 2022, 163, 19.	4.7	10
18	Dynamical Surface Imaging of $\hat{\imath}^{\nu}$ Andromedae. <i>Astrophysical Journal</i> , 2021, 916, 60.	4.5	7

#	ARTICLE	IF	CITATIONS
19	Orbital Elements and Stellar Parameters of the Active Binary UX Arietis. <i>Astrophysical Journal</i> , 2017, 844, 115.	4.5	6
20	MULTIWAVELENGTH OBSERVATIONS OF THE RUNAWAY BINARY HD 15137. <i>Astronomical Journal</i> , 2010, 139, 857-864.	4.7	5
21	Multiwavelength Ground and Space Observations of the Variable White Dwarf BOKS 53856: Nonuniform Metal Absorption in Dark Spots. <i>Astronomical Journal</i> , 2018, 156, 119.	4.7	5
22	Long Term Evolution of Surface Features on the Red Supergiant AZ Cyg. <i>Astrophysical Journal</i> , 2021, 919, 124.	4.5	4
23	The EXPRES Stellar-signals Project. I. Description of Data. <i>Research Notes of the AAS</i> , 2020, 4, 156.	0.7	3
24	Interferometry in the era of time-domain astronomy. <i>Experimental Astronomy</i> , 2018, 46, 421-431.	3.7	2
25	Establishing $\hat{\pm}$ Oph as a Prototype Rotator: Precision Orbit with New Keck, CHARA, and RV Observations. <i>Astrophysical Journal</i> , 2021, 921, 41.	4.5	1
26	Nonradial pulsations in the open cluster NGC 3766. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 518-521.	0.0	0
27	Spectroscopic $H\hat{\pm}$ and $H\hat{1}^3$ survey of field Be stars: 2004â€“2009. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 290-291.	0.0	0
28	Light curves of the Be stars of NGC 3766. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 545-546.	0.0	0
29	The new age of spotted star research using <i>Kepler</i> and CHARA. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 212-215.	0.0	0