

# Joseph E Rodriguez

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105  
papers

2,526  
citations

30  
h-index

46  
g-index

108  
ext. papers

3,298  
ext. citations

6  
avg, IF

4.24  
L-index

#	Paper	IF	Citations
105	Kepler Bonus: Aperture Photometry Light Curves of EXBA Sources. <i>Astronomical Journal</i> , <b>2022</b> , 163, 93	4.9	1
104	NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 926, L7	7.9	1
103	Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle. <i>Astronomical Journal</i> , <b>2022</b> , 163, 144	4.9	1
102	Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. <i>Astronomical Journal</i> , <b>2022</b> , 163, 9	4.9	1
101	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , <b>2021</b> , 162, 234	4.9	6
100	First Doppler Limits on Binary Planets and Exomoons in the HR 8799 System. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 922, L2	7.9	1
99	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. <i>Astronomical Journal</i> , <b>2021</b> , 162, 256	4.9	3
98	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. <i>Astronomical Journal</i> , <b>2021</b> , 161, 2	4.9	18
97	TOI-3362b: A Proto Hot Jupiter Undergoing High-eccentricity Tidal Migration. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 920, L16	7.9	3
96	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , <b>2021</b> , 161, 194	4.9	5
95	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 39	8	50
94	TOI-811b and TOI-852b: New Transiting Brown Dwarfs with Similar Masses and Very Different Radii and Ages from the TESS Mission. <i>Astronomical Journal</i> , <b>2021</b> , 161, 97	4.9	13
93	Two Planets Straddling the Habitable Zone of the Nearby K Dwarf Gl 414A. <i>Astronomical Journal</i> , <b>2021</b> , 161, 86	4.9	2
92	Following up TESS Single Transits with Archival Photometry and Radial Velocities. <i>Astronomical Journal</i> , <b>2021</b> , 161, 124	4.9	3
91	Giant Outer Transiting Exoplanet Mass (GOT-EM) Survey. I. Confirmation of an Eccentric, Cool Jupiter with an Interior Earth-sized Planet Orbiting Kepler-1514. <i>Astronomical Journal</i> , <b>2021</b> , 161, 103	4.9	6
90	TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. <i>Astronomical Journal</i> , <b>2021</b> , 162, 54	4.9	4
89	The Hubble PanCET Program: Transit and Eclipse Spectroscopy of the Strongly Irradiated Giant Exoplanet WASP-76b. <i>Astronomical Journal</i> , <b>2021</b> , 162, 108	4.9	13

88	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , <b>2021</b> , 162, 87	4.9	4
87	A search for transiting companions in the J1407 (V1400 Cen) system. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 652, A117	5.1	
86	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , <b>2021</b> , 161, 82	4.9	3
85	TESS Discovery of a Super-Earth and Three Sub-Neptunes Hosted by the Bright, Sun-like Star HD 108236. <i>Astronomical Journal</i> , <b>2021</b> , 161, 85	4.9	4
84	Mysterious Dust-emitting Object Orbiting TIC 400799224. <i>Astronomical Journal</i> , <b>2021</b> , 162, 299	4.9	1
83	TESS Reveals HD 118203 b to be a Transiting Planet. <i>Astronomical Journal</i> , <b>2020</b> , 159, 243	4.9	8
82	Long-period High-amplitude Red Variables in the KELT Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 44	8	3
81	A Well-aligned Orbit for the 45 Myr-old Transiting Neptune DS Tuc Ab. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L21	7.9	26
80	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , <b>2020</b> , 160, 22	4.9	19
79	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L7	7.9	18
78	KELT-9 b Asymmetric TESS Transit Caused by Rapid Stellar Rotation and Spin-Orbit Misalignment. <i>Astronomical Journal</i> , <b>2020</b> , 160, 4	4.9	26
77	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , <b>2020</b> , 160, 3	4.9	35
76	New Beta Cephei Stars from the KELT Project. <i>Astronomical Journal</i> , <b>2020</b> , 160, 32	4.9	6
75	An Asymmetric Eclipse Seen toward the Pre-main-sequence Binary System V928 Tau. <i>Astronomical Journal</i> , <b>2020</b> , 160, 285	4.9	1
74	The TESS Beck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras. <i>Astronomical Journal</i> , <b>2020</b> , 159, 241	4.9	16
73	KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*. <i>Astronomical Journal</i> , <b>2020</b> , 160, 111	4.9	12
72	Exploring the Atmospheric Dynamics of the Extreme Ultrahot Jupiter KELT-9b Using TESS Photometry. <i>Astronomical Journal</i> , <b>2020</b> , 160, 88	4.9	31
71	The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System. <i>Astronomical Journal</i> , <b>2020</b> , 160, 116	4.9	30

70	The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d. <i>Astronomical Journal</i> , <b>2020</b> , 160, 117	4.9	15
69	The First Habitable-zone Earth-sized Planet from TESS. III. Climate States and Characterization Prospects for TOI-700 d. <i>Astronomical Journal</i> , <b>2020</b> , 160, 118	4.9	9
68	TOI 694b and TIC 220568520b: Two Low-mass Companions near the Hydrogen-burning Mass Limit Orbiting Sun-like Stars. <i>Astronomical Journal</i> , <b>2020</b> , 160, 133	4.9	8
67	The K2 and TESS Synergy. I. Updated Ephemerides and Parameters for K2-114, K2-167, K2-237, and K2-261. <i>Astronomical Journal</i> , <b>2020</b> , 160, 209	4.9	9
66	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. <i>Astronomical Journal</i> , <b>2020</b> , 160, 153	4.9	12
65	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , <b>2020</b> , 160, 235	4.9	9
64	The Origin of Systems of Tightly Packed Inner Planets with Misaligned, Ultra-short-period Companions. <i>Astronomical Journal</i> , <b>2020</b> , 160, 254	4.9	9
63	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , <b>2020</b> , 160, 275	4.9	9
62	An Unusual Transmission Spectrum for the Sub-Saturn KELT-11b Suggestive of a Subsolar Water Abundance. <i>Astronomical Journal</i> , <b>2020</b> , 160, 280	4.9	11
61	Orbital Refinement and Stellar Properties for the HD 9446, HD 43691, and HD 179079 Planetary Systems. <i>Astronomical Journal</i> , <b>2020</b> , 159, 197	4.9	1
60	An extreme-mass ratio, short-period eclipsing binary consisting of a B dwarf primary and a pre-main-sequence M star companion discovered by KELT. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 3775-3791	4.3	2
59	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 1761-1769	4.3	16
58	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , <b>2020</b> , 160, 53	4.9	26
57	Precovery of Transiting Exoplanet Survey Satellite Single Transits with Kilodegree Extremely Little Telescope. <i>Astronomical Journal</i> , <b>2019</b> , 157, 37	4.9	7
56	An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. <i>Astronomical Journal</i> , <b>2019</b> , 157, 191	4.9	37
55	Extreme Debris Disk Variability: Exploring the Diverse Outcomes of Large Asteroid Impacts During the Era of Terrestrial Planet Formation. <i>Astronomical Journal</i> , <b>2019</b> , 157, 202	4.9	16
54	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L7	7.9	50
53	KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 240, 13	8	7

52	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L19	7.9	49
51	KELT-23Ab: A Hot Jupiter Transiting a Near-solar Twin Close to the TESS and JWST Continuous Viewing Zones. <i>Astronomical Journal</i> , <b>2019</b> , 158, 78	4.9	5
50	TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucana Horologium Association. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 880, L17	7.9	57
49	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , <b>2019</b> , 158, 32	4.9	56
48	Asteroseismology of the Multiplanet System K2-93. <i>Astronomical Journal</i> , <b>2019</b> , 158, 248	4.9	7
47	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , <b>2019</b> , 158, 177	4.9	27
46	KELT-24b: A 5M J Planet on a 5.6 day Well-aligned Orbit around the Young V = 8.3 F-star HD 93148. <i>Astronomical Journal</i> , <b>2019</b> , 158, 197	4.9	7
45	A Discrete Set of Possible Transit Ephemerides for Two Long-period Gas Giants Orbiting HIP 41378. <i>Astronomical Journal</i> , <b>2019</b> , 157, 19	4.9	14
44	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , <b>2019</b> , 157, 32	4.9	58
43	KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. <i>Astronomical Journal</i> , <b>2018</b> , 155, 100	4.9	43
42	Outbursts and Disk Variability in Be Stars. <i>Astronomical Journal</i> , <b>2018</b> , 155, 53	4.9	22
41	A System of Three Super Earths Transiting the Late K-Dwarf GJ 9827 at 30 pc. <i>Astronomical Journal</i> , <b>2018</b> , 155, 72	4.9	34
40	Variability Properties of Four Million Sources in the TESS Input Catalog Observed with the Kilodegree Extremely Little Telescope Survey. <i>Astronomical Journal</i> , <b>2018</b> , 155, 39	4.9	49
39	Identification of young stellar variables with KELT for K2 III. The Upper Scorpius association. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 1231-1243	4.3	13
38	Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 109	4.7	5
37	The Warm Neptunes around HD 106315 Have Low Stellar Obliquities. <i>Astronomical Journal</i> , <b>2018</b> , 156, 93	4.9	14
36	A TESS Dress Rehearsal: Planetary Candidates and Variables from K2 Campaign 17. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 239, 5	8	18
35	The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. <i>Astronomical Journal</i> , <b>2018</b> , 156, 234	4.9	32

34	Two Warm, Low-density Sub-Jovian Planets Orbiting Bright Stars in K2 Campaigns 13 and 14. <i>Astronomical Journal</i> , <b>2018</b> , 156, 127	4.9	7
33	TESS DISCOVERY OF A TRANSITING SUPER-EARTH IN THE MENSAE SYSTEM. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 868,	7.9	125
32	EPIC 246851721 b: A Tropical Jupiter Transiting a Rapidly Rotating Star in a Well-aligned Orbit. <i>Astronomical Journal</i> , <b>2018</b> , 156, 250	4.9	4
31	Multiple Stellar Flybys Sculpting the Circumstellar Architecture in RW Aurigae. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 150	4.7	39
30	A Compact Multi-planet System with a Significantly Misaligned Ultra Short Period Planet. <i>Astronomical Journal</i> , <b>2018</b> , 156, 245	4.9	26
29	A survey of eight hot Jupiters in secondary eclipse using WIRCam at CFHT. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 4264-4277	4.3	8
28	A Comparative Study of WASP-67 b and HAT-P-38 b from WFC3 Data. <i>Astronomical Journal</i> , <b>2018</b> , 155, 55	4.9	33
27	KELT-19Ab: AP~ 4.6-day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. <i>Astronomical Journal</i> , <b>2018</b> , 155, 35	4.9	46
26	The Mysterious Dimmings of the T Tauri Star V1334 Tau. <i>Astrophysical Journal</i> , <b>2017</b> , 836, 209	4.7	18
25	KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. <i>Astronomical Journal</i> , <b>2017</b> , 153, 97	4.9	48
24	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , <b>2017</b> , 544, 333-336	50.4	227
23	KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the V= 8 Subgiant HD 93396. <i>Astronomical Journal</i> , <b>2017</b> , 153, 215	4.9	49
22	Photometric Variability of the Be Star Population. <i>Astronomical Journal</i> , <b>2017</b> , 153, 252	4.9	41
21	A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. <i>Nature</i> , <b>2017</b> , 546, 514-518	50.4	153
20	KELT-12b: AP~ 5 day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. <i>Astronomical Journal</i> , <b>2017</b> , 153, 178	4.9	30
19	Identification of Young Stellar Variables with KELT forK2. I. Taurus Dippers and Rotators. <i>Astrophysical Journal</i> , <b>2017</b> , 848, 97	4.7	40
18	KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. <i>Astronomical Journal</i> , <b>2017</b> , 153, 263	4.9	24
17	A Multi-planet System Transiting the V= 9 Rapidly Rotating F-Star HD 106315. <i>Astronomical Journal</i> , <b>2017</b> , 153, 256	4.9	42

16	A Bright Short Period M-M Eclipsing Binary from the KELT Survey: Magnetic Activity and the Mass-Radius Relationship for M Dwarfs. <i>Astrophysical Journal</i> , <b>2017</b> , 844, 134	4-7	14
15	Determining Empirical Stellar Masses and Radii from Transits and Gaia Parallaxes as Illustrated by Spitzer Observations of KELT-11b. <i>Astronomical Journal</i> , <b>2017</b> , 154, 25	4-9	25
14	The transiting dust clumps in the evolved disc of the Sun-like UXor RZ Psc. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 160652	3-3	18
13	KELT-20b: A Giant Planet with a Period of $P \sim 3.5$ days Transiting the $V \sim 7.6$ Early A Star HD 185603. <i>Astronomical Journal</i> , <b>2017</b> , 154, 194	4-9	58
12	Period Variations for the Cepheid VZ Cyg. <i>Astronomical Journal</i> , <b>2017</b> , 154, 217	4-9	3
11	The Architecture of the GW Ori Young Triple-star System and Its Disk: Dynamical Masses, Mutual Inclinations, and Recurrent Eclipses. <i>Astrophysical Journal</i> , <b>2017</b> , 851, 132	4-7	15
10	DM ORI: A YOUNG STAR OCCULTED BY A DISTURBANCE IN ITS PROTOPLANETARY DISK. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 74	4-7	9
9	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , <b>2016</b> , 151, 138	4-9	35
8	RECURRING OCCULTATIONS OF RW AURIGAE BY COAGULATED DUST IN THE TIDALLY DISRUPTED CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , <b>2016</b> , 151, 29	4-9	20
7	KELT-10b: the first transiting exoplanet from the KELT-South survey $\beta$ hot sub-Jupiter transiting $aV = 10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 4281-4298	4-3	35
6	AN EXTREME ANALOGUE OF $\beta$ AURIGAE: AN M-GIANT ECLIPSED EVERY 69 YEARS BY A LARGE OPAQUE DISK SURROUNDING A SMALL HOT SOURCE. <i>Astronomical Journal</i> , <b>2016</b> , 151, 123	4-9	18
5	KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , <b>2016</b> , 152, 136	4-9	63
4	V409 TAU AS ANOTHER AA TAU: PHOTOMETRIC OBSERVATIONS OF STELLAR OCCULTATIONS BY THE CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , <b>2015</b> , 150, 32	4-9	27
3	First Results from the Disk Eclipse Search with KELT (DESK) Survey. <i>Proceedings of the International Astronomical Union</i> , <b>2015</b> , 10, 167-170	0-1	1
2	KELT-8b: A HIGHLY INFLATED TRANSITING HOT JUPITER AND A NEW TECHNIQUE FOR EXTRACTING HIGH-PRECISION RADIAL VELOCITIES FROM NOISY SPECTRA. <i>Astrophysical Journal</i> , <b>2015</b> , 810, 30	4-7	44
1	OCCULTATION OF THE T TAURI STAR RW AURIGAE A BY ITS TIDALLY DISRUPTED DISK. <i>Astronomical Journal</i> , <b>2013</b> , 146, 112	4-9	42