

# Joseph E Rodriguez

## List of Publications by Year in descending order

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106  
papers

3,849  
citations

126708

33  
h-index

161609

54  
g-index

108  
all docs

108  
docs citations

108  
times ranked

2959  
citing authors

#	ARTICLE	IF	CITATIONS
1	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017, 544, 333-336.	13.7	275
2	A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. <i>Nature</i> , 2017, 546, 514-518.	13.7	205
3	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	3.0	190
4	TESS Discovery of a Transiting Super-Earth in the $\pi$ Mensae System. <i>Astrophysical Journal Letters</i> , 2018, 868, L39.	3.0	148
5	TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucanae "Horologium Association. <i>Astrophysical Journal Letters</i> , 2019, 880, L17.	3.0	110
6	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , 2019, 158, 32.	1.9	93
7	KELT-20b: A Giant Planet with a Period of $\sim 3.5$ days Transiting the $\sim 7.6$ Early A Star HD 185603. <i>Astronomical Journal</i> , 2017, 154, 194.	1.9	87
8	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019, 157, 32.	1.9	83
9	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. <i>Astrophysical Journal Letters</i> , 2019, 881, L19.	3.0	80
10	KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , 2016, 152, 136.	1.9	76
11	Variability Properties of Four Million Sources in the TESS Input Catalog Observed with the Kilodegree Extremely Little Telescope Survey. <i>Astronomical Journal</i> , 2018, 155, 39.	1.9	73
12	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune*. <i>Astrophysical Journal Letters</i> , 2019, 875, L7.	3.0	69
13	The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System. <i>Astronomical Journal</i> , 2020, 160, 116.	1.9	67
14	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020, 160, 3.	1.9	62
15	KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the $V = 8$ Subgiant HD 93396. <i>Astronomical Journal</i> , 2017, 153, 215.	1.9	61
16	KELT-19Ab: A $\sim 4.6$ -day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. <i>Astronomical Journal</i> , 2018, 155, 35.	1.9	61
17	KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. <i>Astronomical Journal</i> , 2017, 153, 97.	1.9	58
18	Multiple Stellar Flybys Sculpting the Circumstellar Architecture in RW Aurigae. <i>Astrophysical Journal</i> , 2018, 859, 150.	1.6	57

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19	Photometric Variability of the Be Star Population. <i>Astronomical Journal</i> , 2017, 153, 252.	1.9	56
20	KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. <i>Astronomical Journal</i> , 2018, 155, 100.	1.9	55
21	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> , 2015, 810, 30.	1.6	53
22	Identification of Young Stellar Variables with KELT for K2. I. Taurus Dippers and Rotators. <i>Astrophysical Journal</i> , 2017, 848, 97.	1.6	53
23	A Multi-planet System Transiting the V <sub>A</sub> = $\hat{A}$ 9 Rapidly Rotating F-Star HD 106315. <i>Astronomical Journal</i> , 2017, 153, 256.	1.9	52
24	OCCULTATION OF THE T TAURI STAR RW AURIGAE A BY ITS TIDALLY DISRUPTED DISK. <i>Astronomical Journal</i> , 2013, 146, 112.	1.9	47
25	The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. <i>Astronomical Journal</i> , 2018, 156, 234.	1.9	46
26	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> , 2019, 157, 191.	1.9	46
27	A System of Three Super Earths Transiting the Late K-Dwarf GJ 9827 at 30 pc. <i>Astronomical Journal</i> , 2018, 155, 72.	1.9	44
28	Exploring the Atmospheric Dynamics of the Extreme Ultrahot Jupiter KELT-9b Using TESS Photometry. <i>Astronomical Journal</i> , 2020, 160, 88.	1.9	44
29	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , 2016, 151, 138.	1.9	42
30	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. <i>Astronomical Journal</i> , 2021, 161, 2.	1.9	42
31	A Comparative Study of WASP-67 b and HAT-P-38 b from WFC3 Data. <i>Astronomical Journal</i> , 2018, 155, 55.	1.9	41
32	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020, 160, 53.	1.9	39
33	KELT-10b: the first transiting exoplanet from the KELT-South survey â€” a hot sub-Jupiter transiting a $v \sin i = 10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 4281-4298.	1.6	38
34	A Well-aligned Orbit for the 45 Myr-old Transiting Neptune DS Tuc Ab. <i>Astrophysical Journal Letters</i> , 2020, 892, L21.	3.0	37
35	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , 2020, 892, L7.	3.0	37
36	KELT-9 bâ€™s Asymmetric TESS Transit Caused by Rapid Stellar Rotation and Spinâ€”Orbit Misalignment. <i>Astronomical Journal</i> , 2020, 160, 4.	1.9	37

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37	KELT-12b: A $\sim 1/4$ day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. <i>Astronomical Journal</i> , 2017, 153, 178.	1.9	35
38	A Compact Multi-planet System with a Significantly Misaligned Ultra Short Period Planet. <i>Astronomical Journal</i> , 2018, 156, 245.	1.9	35
39	Determining Empirical Stellar Masses and Radii from Transits and Gaia Parallaxes as Illustrated by Spitzer Observations of KELT-11b. <i>Astronomical Journal</i> , 2017, 154, 25.	1.9	34
40	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019, 158, 177.	1.9	34
41	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 22.	1.9	33
42	The TESS Keck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras*. <i>Astronomical Journal</i> , 2020, 159, 241.	1.9	32
43	KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. <i>Astronomical Journal</i> , 2017, 153, 263.	1.9	30
44	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> , 2020, 492, 1761-1769.	1.6	30
45	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021, 162, 234.	1.9	30
46	Outbursts and Disk Variability in Be Stars. <i>Astronomical Journal</i> , 2018, 155, 53.	1.9	29
47	The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d. <i>Astronomical Journal</i> , 2020, 160, 117.	1.9	29
48	V409 TAU AS ANOTHER AA TAU: PHOTOMETRIC OBSERVATIONS OF STELLAR OCCULTATIONS BY THE CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , 2015, 150, 32.	1.9	28
49	The Warm Neptunes around HD 106315 Have Low Stellar Obliquities. <i>Astronomical Journal</i> , 2018, 156, 93.	1.9	27
50	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. <i>Astronomical Journal</i> , 2020, 160, 153.	1.9	27
51	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> , 2020, 160, 111.	1.9	26
52	The transiting dust clumps in the evolved disc of the Sun-like UXor RZ Psc. <i>Royal Society Open Science</i> , 2017, 4, 160652.	1.1	25
53	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> , 2021, 161, 97.	1.9	25
54	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> , 2021, 162, 54.	1.9	25

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55	Extreme Debris Disk Variability: Exploring the Diverse Outcomes of Large Asteroid Impacts During the Era of Terrestrial Planet Formation. <i>Astronomical Journal</i> , 2019, 157, 202.	1.9	23
56	The Hubble PanCET Program: Transit and Eclipse Spectroscopy of the Strongly Irradiated Giant Exoplanet WASP-76b. <i>Astronomical Journal</i> , 2021, 162, 108.	1.9	23
57	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235.	1.9	23
58	AN EXTREME ANALOGUE OF $\mu$ AURIGAE: AN M-GIANT ECLIPSED EVERY 69 YEARS BY A LARGE OPAQUE DISK SURROUNDING A SMALL HOT SOURCE. <i>Astronomical Journal</i> , 2016, 151, 123.	1.9	22
59	The Architecture of the GW Ori Young Triple-star System and Its Disk: Dynamical Masses, Mutual Inclinations, and Recurrent Eclipses. <i>Astrophysical Journal</i> , 2017, 851, 132.	1.6	22
60	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194.	1.9	22
61	The Mysterious Dimmings of the T Tauri Star V1334 Tau. <i>Astrophysical Journal</i> , 2017, 836, 209.	1.6	21
62	An Unusual Transmission Spectrum for the Sub-Saturn KELT-11b Suggestive of a Subsolar Water Abundance. <i>Astronomical Journal</i> , 2020, 160, 280.	1.9	21
63	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. <i>Astronomical Journal</i> , 2021, 162, 256.	1.9	21
64	RECURRING OCCULTATIONS OF RW AURIGAE BY COAGULATED DUST IN THE TIDALLY DISRUPTED CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , 2016, 151, 29.	1.9	20
65	A <i>TESS</i> Dress Rehearsal: Planetary Candidates and Variables from <i>K2</i> Campaign 17. <i>Astrophysical Journal</i> , Supplement Series, 2018, 239, 5.	3.0	20
66	A Discrete Set of Possible Transit Ephemerides for Two Long-period Gas Giants Orbiting HIP 41378. <i>Astronomical Journal</i> , 2019, 157, 19.	1.9	20
67	The First Habitable-zone Earth-sized Planet from TESS. III. Climate States and Characterization Prospects for TOI-700 d. <i>Astronomical Journal</i> , 2020, 160, 118.	1.9	20
68	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.	1.9	19
69	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> , 2017, 844, 134.	1.6	18
70	Identification of young stellar variables with KELT for K2 II. The Upper Scorpius association. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1231-1243.	1.6	16
71	TOI-3362b: A Proto Hot Jupiter Undergoing High-eccentricity Tidal Migration. <i>Astrophysical Journal Letters</i> , 2021, 920, L16.	3.0	16
72	KELT-24b: A 5M <sub>J</sub> Planet on a 5.6 day Well-aligned Orbit around the Young V $\hat{A}$ = $\hat{A}$ 8.3 F-star HD 93148. <i>Astronomical Journal</i> , 2019, 158, 197.	1.9	15

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73	The K2 and TESS Synergy. I. Updated Ephemerides and Parameters for K2-114, K2-167, K2-237, and K2-261. <i>Astronomical Journal</i> , 2020, 160, 209.	1.9	15
74	TESS Reveals HD 118203 b to be a Transiting Planet. <i>Astronomical Journal</i> , 2020, 159, 243.	1.9	14
75	New Beta Cephei Stars from the KELT Project. <i>Astronomical Journal</i> , 2020, 160, 32.	1.9	14
76	The Origin of Systems of Tightly Packed Inner Planets with Misaligned, Ultra-short-period Companions. <i>Astronomical Journal</i> , 2020, 160, 254.	1.9	14
77	Two Warm, Low-density Sub-Jovian Planets Orbiting Bright Stars in K2 Campaigns 13 and 14. <i>Astronomical Journal</i> , 2018, 156, 127.	1.9	13
78	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , 2021, 162, 87.	1.9	13
79	TESS Discovery of a Super-Earth and Three Sub-Neptunes Hosted by the Bright, Sun-like Star HD 108236. <i>Astronomical Journal</i> , 2021, 161, 85.	1.9	13
80	Giant Outer Transiting Exoplanet Mass (GOT $\hat{=}$ EM) Survey. I. Confirmation of an Eccentric, Cool Jupiter with an Interior Earth-sized Planet Orbiting Kepler-1514*. <i>Astronomical Journal</i> , 2021, 161, 103.	1.9	12
81	TOI 694b and TIC 220568520b: Two Low-mass Companions near the Hydrogen-burning Mass Limit Orbiting Sun-like Stars. <i>Astronomical Journal</i> , 2020, 160, 133.	1.9	12
82	Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle. <i>Astronomical Journal</i> , 2022, 163, 144.	1.9	12
83	EPIC 246851721 b: A Tropical Jupiter Transiting a Rapidly Rotating Star in a Well-aligned Orbit. <i>Astronomical Journal</i> , 2018, 156, 250.	1.9	11
84	A survey of eight hot Jupiters in secondary eclipse using WIRCcam at CFHT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4264-4277.	1.6	11
85	Asteroseismology of the Multiplanet System K2-93. <i>Astronomical Journal</i> , 2019, 158, 248.	1.9	11
86	NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. <i>Astrophysical Journal Letters</i> , 2022, 926, L7.	3.0	11
87	Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. <i>Astrophysical Journal</i> , 2018, 854, 109.	1.6	10
88	Precovery of Transiting Exoplanet Survey Satellite Single Transits with Kilodegree Extremely Little Telescope. <i>Astronomical Journal</i> , 2019, 157, 37.	1.9	10
89	DM ORI: A YOUNG STAR OCCULTED BY A DISTURBANCE IN ITS PROTOPLANETARY DISK. <i>Astrophysical Journal</i> , 2016, 831, 74.	1.6	9
90	KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 13.	3.0	9

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91	Outbursts and stellar properties of the classical Be star HD 6226. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2002-2018.	1.6	9
92	KELT-23Ab: A Hot Jupiter Transiting a Near-solar Twin Close to the TESS and JWST Continuous Viewing Zones. <i>Astronomical Journal</i> , 2019, 158, 78.	1.9	8
93	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021, 161, 82.	1.9	8
94	Two Planets Straddling the Habitable Zone of the Nearby K Dwarf Gl 414A. <i>Astronomical Journal</i> , 2021, 161, 86.	1.9	7
95	Long-period High-amplitude Red Variables in the KELT Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 44.	3.0	6
96	First Doppler Limits on Binary Planets and Exomoons in the HR 8799 System. <i>Astrophysical Journal Letters</i> , 2021, 922, L2.	3.0	6
97	Mysterious Dust-emitting Object Orbiting TIC 400799224. <i>Astronomical Journal</i> , 2021, 162, 299.	1.9	6
98	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> , 2020, 499, 3775-3791.	1.6	5
99	Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. <i>Astronomical Journal</i> , 2022, 163, 9.	1.9	5
100	An Asymmetric Eclipse Seen toward the Pre-main-sequence Binary System V928 Tau. <i>Astronomical Journal</i> , 2020, 160, 285.	1.9	4
101	Period Variations for the Cepheid VZ Cyg. <i>Astronomical Journal</i> , 2017, 154, 217.	1.9	3
102	Following up TESS Single Transits with Archival Photometry and Radial Velocities. <i>Astronomical Journal</i> , 2021, 161, 124.	1.9	3
103	Orbital Refinement and Stellar Properties for the HD 9446, HD 43691, and HD 179079 Planetary Systems. <i>Astronomical Journal</i> , 2020, 159, 197.	1.9	2
104	Kepler Bonus: Aperture Photometry Light Curves of EXBA Sources. <i>Astronomical Journal</i> , 2022, 163, 93.	1.9	2
105	First Results from the Disk Eclipse Search with KELT (DESK) Survey. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 167-170.	0.0	1
106	A search for transiting companions in the J1407 (V1400 Cen) system. <i>Astronomy and Astrophysics</i> , 2021, 652, A117.	2.1	0