

Joseph E Rodriguez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1826553/joseph-e-rodriguez-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017 , 544, 333-336	50.4	227
104	A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. <i>Nature</i> , 2017 , 546, 514-518	50.4	153
103	TESS DISCOVERY OF A TRANSITING SUPER-EARTH IN THE MENSAE SYSTEM. <i>Astrophysical Journal Letters</i> , 2018 , 868,	7.9	125
102	KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , 2016 , 152, 136	4.9	63
101	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> , 2017 , 154, 194	4.9	58
100	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019 , 157, 32	4.9	58
99	TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucana-Blorologium Association. <i>Astrophysical Journal Letters</i> , 2019 , 880, L17	7.9	57
98	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , 2019 , 158, 32	4.9	56
97	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , 2019 , 875, L7	7.9	50
96	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 254, 39	8	50
95	KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the $V = 8$ Subgiant HD 93396. <i>Astronomical Journal</i> , 2017 , 153, 215	4.9	49
94	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	4.9	49
93	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. <i>Astrophysical Journal Letters</i> , 2019 , 881, L19	7.9	49
92	KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. <i>Astronomical Journal</i> , 2017 , 153, 97	4.9	48
91	KELT-19Ab: A $P \sim 4.6$ -day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. <i>Astronomical Journal</i> , 2018 , 155, 35	4.9	46
90	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	4.7	44
89	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	4.9	43

88	A Multi-planet System Transiting the $V=9$ Rapidly Rotating F-Star HD 106315. <i>Astronomical Journal</i> , 2017 , 153, 256	4.9	42
87	OCCULTATION OF THE T TAURI STAR RW AURIGAE A BY ITS TIDALLY DISRUPTED DISK. <i>Astronomical Journal</i> , 2013 , 146, 112	4.9	42
86	Photometric Variability of the Be Star Population. <i>Astronomical Journal</i> , 2017 , 153, 252	4.9	41
85	Identification of Young Stellar Variables with KELT forK2. I. Taurus Dippers and Rotators. <i>Astrophysical Journal</i> , 2017 , 848, 97	4.7	40
84	Multiple Stellar Flybys Sculpting the Circumstellar Architecture in RW Aurigae. <i>Astrophysical Journal</i> , 2018 , 859, 150	4.7	39
83	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	4.9	37
82	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , 2016 , 151, 138	4.9	35
81	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020 , 160, 3	4.9	35
80	KELT-10b: the first transiting exoplanet from the KELT-South survey is a hot sub-Jupiter transiting a $v=10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 4281-4298	4.3	35
79	A System of Three Super Earths Transiting the Late K-Dwarf GJ 9827 at 30 pc. <i>Astronomical Journal</i> , 2018 , 155, 72	4.9	34
78	A Comparative Study of WASP-67 b and HAT-P-38 b from WFC3 Data. <i>Astronomical Journal</i> , 2018 , 155, 55	4.9	33
77	The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. <i>Astronomical Journal</i> , 2018 , 156, 234	4.9	32
76	Exploring the Atmospheric Dynamics of the Extreme Ultrahot Jupiter KELT-9b Using TESS Photometry. <i>Astronomical Journal</i> , 2020 , 160, 88	4.9	31
75	KELT-12b: AP~ 5 day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. <i>Astronomical Journal</i> , 2017 , 153, 178	4.9	30
74	The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System. <i>Astronomical Journal</i> , 2020 , 160, 116	4.9	30
73	V409 TAU AS ANOTHER AA TAU: PHOTOMETRIC OBSERVATIONS OF STELLAR OCCULTATIONS BY THE CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , 2015 , 150, 32	4.9	27
72	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019 , 158, 177	4.9	27
71	A Well-aligned Orbit for the 45 Myr-old Transiting Neptune DS Tuc Ab. <i>Astrophysical Journal Letters</i> , 2020 , 892, L21	7.9	26

70	KELT-9 b Asymmetric TESS Transit Caused by Rapid Stellar Rotation and Spin-Orbit Misalignment. <i>Astronomical Journal</i> , 2020 , 160, 4	4.9	26
69	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020 , 160, 53	4.9	26
68	A Compact Multi-planet System with a Significantly Misaligned Ultra Short Period Planet. <i>Astronomical Journal</i> , 2018 , 156, 245	4.9	26
67	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	4.9	25
66	KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. <i>Astronomical Journal</i> , 2017 , 153, 263	4.9	24
65	Outbursts and Disk Variability in Be Stars. <i>Astronomical Journal</i> , 2018 , 155, 53	4.9	22
64	RECURRING OCCULTATIONS OF RW AURIGAE BY COAGULATED DUST IN THE TIDALLY DISRUPTED CIRCUMSTELLAR DISK. <i>Astronomical Journal</i> , 2016 , 151, 29	4.9	20
63	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020 , 160, 22	4.9	19
62	The Mysterious Dimmings of the T Tauri Star V1334 Tau. <i>Astrophysical Journal</i> , 2017 , 836, 209	4.7	18
61	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , 2020 , 892, L7	7.9	18
60	The transiting dust clumps in the evolved disc of the Sun-like UXor RZ Psc. <i>Royal Society Open Science</i> , 2017 , 4, 160652	3.3	18
59	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. <i>Astronomical Journal</i> , 2021 , 161, 2	4.9	18
58	AN EXTREME ANALOGUE OF 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	4.9	18
57	A TESS Dress Rehearsal: Planetary Candidates and Variables from K2 Campaign 17. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 5	8	18
56	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	4.9	16
55	The TESS Beck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras. <i>Astronomical Journal</i> , 2020 , 159, 241	4.9	16
54	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	4.3	16
53	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	4.7	15

52	The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d. <i>Astronomical Journal</i> , 2020 , 160, 117	4.9	15
51	The Warm Neptunes around HD 106315 Have Low Stellar Obliquities. <i>Astronomical Journal</i> , 2018 , 156, 93	4.9	14
50	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	4.7	14
49	A Discrete Set of Possible Transit Ephemerides for Two Long-period Gas Giants Orbiting HIP 41378. <i>Astronomical Journal</i> , 2019 , 157, 19	4.9	14
48	Identification of young stellar variables with KELT for K2 III. The Upper Scorpius association. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 1231-1243	4.3	13
47	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	4.9	13
46	The Hubble PanCET Program: Transit and Eclipse Spectroscopy of the Strongly Irradiated Giant Exoplanet WASP-76b. <i>Astronomical Journal</i> , 2021 , 162, 108	4.9	13
45	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	4.9	12
44	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. <i>Astronomical Journal</i> , 2020 , 160, 153	4.9	12
43	An Unusual Transmission Spectrum for the Sub-Saturn KELT-11b Suggestive of a Subsolar Water Abundance. <i>Astronomical Journal</i> , 2020 , 160, 280	4.9	11
42	DM ORI: A YOUNG STAR OCCULTED BY A DISTURBANCE IN ITS PROTOPLANETARY DISK. <i>Astrophysical Journal</i> , 2016 , 831, 74	4.7	9
41	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	4.9	9
40	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	4.9	9
39	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	4.9	9
38	The Origin of Systems of Tightly Packed Inner Planets with Misaligned, Ultra-short-period Companions. <i>Astronomical Journal</i> , 2020 , 160, 254	4.9	9
37	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020 , 160, 275	4.9	9
36	TESS Reveals HD 118203 b to be a Transiting Planet. <i>Astronomical Journal</i> , 2020 , 159, 243	4.9	8
35	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	4.9	8

34	A survey of eight hot Jupiters in secondary eclipse using WIRCam at CFHT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 474, 4264-4277	4.3	8
33	Precovery of Transiting Exoplanet Survey Satellite Single Transits with Kilodegree Extremely Little Telescope. <i>Astronomical Journal</i> , 2019 , 157, 37	4.9	7
32	KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 240, 13	8	7
31	Asteroseismology of the Multiplanet System K2-93. <i>Astronomical Journal</i> , 2019 , 158, 248	4.9	7
30	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> , 2019 , 158, 197	4.9	7
29	Two Warm, Low-density Sub-Jovian Planets Orbiting Bright Stars in K2 Campaigns 13 and 14. <i>Astronomical Journal</i> , 2018 , 156, 127	4.9	7
28	New Beta Cephei Stars from the KELT Project. <i>Astronomical Journal</i> , 2020 , 160, 32	4.9	6
27	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021 , 162, 234	4.9	6
26	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> , 2021 , 161, 103	4.9	6
25	Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. <i>Astrophysical Journal</i> , 2018 , 854, 109	4.7	5
24	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	4.9	5
23	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021 , 161, 194	4.9	5
22	EPIC 246851721 b: A Tropical Jupiter Transiting a Rapidly Rotating Star in a Well-aligned Orbit. <i>Astronomical Journal</i> , 2018 , 156, 250	4.9	4
21	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	4.9	4
20	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , 2021 , 162, 87	4.9	4
19	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	4.9	4
18	Long-period High-amplitude Red Variables in the KELT Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 44	8	3
17	Period Variations for the Cepheid VZ Cyg. <i>Astronomical Journal</i> , 2017 , 154, 217	4.9	3

16	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. <i>Astronomical Journal</i> , 2021 , 162, 256	4.9	3
15	TOI-3362b: A Proto Hot Jupiter Undergoing High-eccentricity Tidal Migration. <i>Astrophysical Journal Letters</i> , 2021 , 920, L16	7.9	3
14	Following up TESS Single Transits with Archival Photometry and Radial Velocities. <i>Astronomical Journal</i> , 2021 , 161, 124	4.9	3
13	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	4.9	3
12	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	4.3	2
11	Two Planets Straddling the Habitable Zone of the Nearby K Dwarf Gl 414A. <i>Astronomical Journal</i> , 2021 , 161, 86	4.9	2
10	First Results from the Disk Eclipse Search with KELT (DESK) Survey. <i>Proceedings of the International Astronomical Union</i> , 2015 , 10, 167-170	0.1	1
9	Kepler Bonus: Aperture Photometry Light Curves of EXBA Sources. <i>Astronomical Journal</i> , 2022 , 163, 93	4.9	1
8	An Asymmetric Eclipse Seen toward the Pre-main-sequence Binary System V928 Tau. <i>Astronomical Journal</i> , 2020 , 160, 285	4.9	1
7	First Doppler Limits on Binary Planets and Exomoons in the HR 8799 System. <i>Astrophysical Journal Letters</i> , 2021 , 922, L2	7.9	1
6	Orbital Refinement and Stellar Properties for the HD 9446, HD 43691, and HD 179079 Planetary Systems. <i>Astronomical Journal</i> , 2020 , 159, 197	4.9	1
5	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	7.9	1
4	Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle. <i>Astronomical Journal</i> , 2022 , 163, 144	4.9	1
3	Mysterious Dust-emitting Object Orbiting TIC 400799224. <i>Astronomical Journal</i> , 2021 , 162, 299	4.9	1
2	Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. <i>Astronomical Journal</i> , 2022 , 163, 9	4.9	1
1	A search for transiting companions in the J1407 (V1400 Cen) system. <i>Astronomy and Astrophysics</i> , 2021 , 652, A117	5.1	