

Carl Ziegler

List of Publications by Citations

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69
papers

1,518
citations

24
h-index

37
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73
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2,067
ext. citations

5.7
avg, IF

4.29
L-index

#	Paper	IF	Citations
69	197 CANDIDATES AND 104 VALIDATED PLANETS IN K2 's FIRST FIVE FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 226, 7	8	150
68	ROBOTIC LASER ADAPTIVE OPTICS IMAGING OF 715 KEPLER EXOPLANET CANDIDATES USING ROBO-AO. <i>Astrophysical Journal</i> , 2014 , 791, 35	4.7	123
67	SOAR TESS Survey. I. Sculpting of TESS Planetary Systems by Stellar Companions. <i>Astronomical Journal</i> , 2020 , 159, 19	4.9	77
66	ROBO-AOKEPLERPLANETARY CANDIDATE SURVEY. II. ADAPTIVE OPTICS IMAGING OF 969KEPLEREXOPLANET CANDIDATE HOST STARS. <i>Astronomical Journal</i> , 2016 , 152, 18	4.9	67
65	Measuring the Recoverability of Close Binaries in Gaia DR2 with the Robo-AO Kepler Survey. <i>Astronomical Journal</i> , 2018 , 156, 259	4.9	66
64	ROBO-AOKEPLERPLANETARY CANDIDATE SURVEY. III. ADAPTIVE OPTICS IMAGING OF 1629KEPLEREXOPLANET CANDIDATE HOST STARS. <i>Astronomical Journal</i> , 2017 , 153, 66	4.9	64
63	The First Naked-eye Superflare Detected from Proxima Centauri. <i>Astrophysical Journal Letters</i> , 2018 , 860, L30	7.9	64
62	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
61	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
60	TWO SMALL TEMPERATE PLANETS TRANSITING NEARBY M DWARFS INK2CAMPAIGNS 0 AND 1. <i>Astrophysical Journal</i> , 2016 , 818, 87	4.7	43
59	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
58	A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , 2020 , 583, 39-42	50.4	37
57	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
56	ULTRA-SHORT-PERIOD PLANETS INK2WITH COMPANIONS: A DOUBLE TRANSITING SYSTEM FOR EPIC 220674823. <i>Astronomical Journal</i> , 2017 , 153, 82	4.9	32
55	TESS Hunt for Young and Maturing Exoplanets (THYME). II. A 17 Myr Old Transiting Hot Jupiter in the Sco-Cen Association. <i>Astronomical Journal</i> , 2020 , 160, 33	4.9	32
54	Robo-AOKeplerSurvey. IV. The Effect of Nearby Stars on 3857 Planetary Candidate Systems. <i>Astronomical Journal</i> , 2018 , 155, 161	4.9	32
53	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

52	TOI-1338: TESS First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , 2020 , 159, 253	4.9	28
51	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019 , 158, 177	4.9	27
50	Robo-AO Kepler Survey. V. The Effect of Physically Associated Stellar Companions on Planetary Systems. <i>Astronomical Journal</i> , 2018 , 156, 83	4.9	27
49	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020 , 160, 53	4.9	26
48	When Do Stalled Stars Resume Spinning Down? Advancing Gyrochronology with Ruprecht 147. <i>Astrophysical Journal</i> , 2020 , 904, 140	4.7	25
47	PROBABILITY OF THE PHYSICAL ASSOCIATION OF 104 BLENDED COMPANIONS TO KEPLER OBJECTS OF INTEREST USING VISIBLE AND NEAR-INFRARED ADAPTIVE OPTICS PHOTOMETRY. <i>Astronomical Journal</i> , 2017 , 153, 25	4.9	24
46	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , 2019 , 625, A16	5.1	24
45	TOI-677b: A Warm Jupiter (P= 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. <i>Astronomical Journal</i> , 2020 , 159, 145	4.9	18
44	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
43	HD 213885b: a transiting 1-d-period super-Earth with an Earth-like composition around a bright (V = 7.9) star unveiled by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 2982-2999	4.3	18
42	TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 3704-3722	4.3	17
41	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
40	The Elusive Majority of Young Moving Groups. I. Young Binaries and Lithium-rich Stars in the Solar Neighborhood. <i>Astrophysical Journal</i> , 2019 , 877, 60	4.7	15
39	Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602. <i>Astronomical Journal</i> , 2020 , 160, 239	4.9	15
38	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , 2020 , 4, 1148-1157	12.1	15
37	TOI-132 b: A short-period planet in the Neptune desert transiting a $V_{\text{eff}} = 11.3$ G-type star?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 973-985	4.3	14
36	MULTIPLICITY OF THE GALACTIC SENIOR CITIZENS: A HIGH-RESOLUTION SEARCH FOR COOL SUBDWARF COMPANIONS. <i>Astrophysical Journal</i> , 2015 , 804, 30	4.7	13
35	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

34	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
33	TESS Reveals a Short-period Sub-Neptune Sibling (HD 86226c) to a Known Long-period Giant Planet. <i>Astronomical Journal</i> , 2020 , 160, 96	4.9	12
32	LHS 1815b: The First Thick-disk Planet Detected by TESS. <i>Astronomical Journal</i> , 2020 , 159, 160	4.9	12
31	HII 2407: AN ECLIPSING BINARY REVEALED BY K2 OBSERVATIONS OF THE PLEIADES. <i>Astrophysical Journal</i> , 2015 , 814, 62	4.7	11
30	The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and Its Siblings Transiting the Galactic Thick-disk Star TOI-561. <i>Astronomical Journal</i> , 2021 , 161, 56	4.9	11
29	TESS Hunt for Young and Maturing Exoplanets (THYME). IV. Three Small Planets Orbiting a 120 Myr Old Star in the Pisces-Eridanus Stream. <i>Astronomical Journal</i> , 2021 , 161, 65	4.9	11
28	Robo-AO M-dwarf Multiplicity Survey: Catalog. <i>Astronomical Journal</i> , 2020 , 159, 139	4.9	10
27	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
26	TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS. <i>Astronomical Journal</i> , 2020 , 160, 76	4.9	8
25	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
24	SOAR TESS Survey. II. The Impact of Stellar Companions on Planetary Populations. <i>Astronomical Journal</i> , 2021 , 162, 192	4.9	7
23	Robo-AO Discovery and Basic Characterization of Wide Multiple Star Systems in the Pleiades, Praesepe, and NGC 2264 Clusters. <i>Astronomical Journal</i> , 2018 , 155, 51	4.9	7
22	TOI 122b and TOI 237b: Two Small Warm Planets Orbiting Inactive M Dwarfs Found by TESS. <i>Astronomical Journal</i> , 2021 , 161, 13	4.9	6
21	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. <i>Astronomical Journal</i> , 2021 , 161, 161	4.9	6
20	TOI 564 b and TOI 905 b: Grazing and Fully Transiting Hot Jupiters Discovered by TESS. <i>Astronomical Journal</i> , 2020 , 160, 229	4.9	5
19	TOI 540 b: A Planet Smaller than Earth Orbiting a Nearby Rapidly Rotating Low-mass Star. <i>Astronomical Journal</i> , 2021 , 161, 23	4.9	5
18	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
17	SRAO: optical design and the dual-knife-edge WFS 2016 ,		5

16	Robo-AO Kepler Asteroseismic Survey. I. Adaptive Optics Imaging of 99 Asteroseismic Kepler Dwarfs and Subgiants. <i>Astrophysical Journal</i> , 2017 , 847, 97	4.7	4
15	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
14	Ultra-short-period Planets in K2. III. Neighbors are Common with 13 New Multiplanet Systems and 10 Newly Validated Planets in Campaigns 08 and 10. <i>Planetary Science Journal</i> , 2021 , 2, 152	2.9	4
13	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
12	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2782-2803	4.3	3
11	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
10	The Robo-AO KOI survey: laser adaptive optics imaging of every Kepler exoplanet candidate 2016 ,		2
9	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. <i>Astronomical Journal</i> , 2022 , 163, 207	4.9	2
8	Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , 2022 , 163, 99	4.9	1
7	TOI-1259Ab is a gas giant planet with 2.7 per cent deep transits and a bound white dwarf companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 4132-4148	4.3	1
6	Robo-AO and SOAR High-Resolution Surveys of Exoplanet Hosting Stars. <i>Frontiers in Astronomy and Space Sciences</i> , 2021 , 8,	3.8	1
5	Laser-only Adaptive Optics Achieves Significant Image Quality Gains Compared to Seeing-limited Observations over the Entire Sky. <i>Astronomical Journal</i> , 2018 , 155, 59	4.9	1
4	HD 183579b: a warm sub-Neptune transiting a solar twin detected by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2220-2240	4.3	1
3	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
2	Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2018. <i>Astronomical Journal</i> , 2022 , 163, 254	4.9	1
1	An Adaptive Optics Census of Companions to Northern Stars Within 25 pc with Robo-AO. <i>Astronomical Journal</i> , 2022 , 163, 200	4.9	0