

Robert T Zelle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1219489/publications.pdf>

Version: 2024-02-01

29
papers

1,656
citations

430874

18
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

1836
citing authors

#	ARTICLE	IF	CITATIONS
1	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. Publications of the Astronomical Society of the Pacific, 2018, 130, 114401.	3.1	314
2	A chemical survey of exoplanets with ARIEL. Experimental Astronomy, 2018, 46, 135-209.	3.7	249
3	THE 4.5 $\hat{1}$ / ₄ m FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. Astrophysical Journal, 2014, 790, 53.	4.5	152
4	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i>. Publications of the Astronomical Society of the Pacific, 2018, 130, 114402.	3.1	100
5	Ground-based near-UV observations of 15 transiting exoplanets: constraints on their atmospheres and no evidence for asymmetrical transits. Monthly Notices of the Royal Astronomical Society, 2016, 459, 789-819.	4.4	97
6	A CHARACTERISTIC TRANSMISSION SPECTRUM DOMINATED BY H₂O APPLIES TO THE MAJORITY OF HST/WFC3 EXOPLANET OBSERVATIONS. Astrophysical Journal, 2016, 823, 109.	4.5	80
7	Forecasting the Impact of Stellar Activity on Transiting Exoplanet Spectra. Astrophysical Journal, 2017, 844, 27.	4.5	70
8	Evidence for H2 Dissociation and Recombination Heat Transport in the Atmosphere of KELT-9b. Astrophysical Journal Letters, 2020, 888, L15.	8.3	57
9	Near-UV and optical observations of the transiting exoplanet TrES-3b. Monthly Notices of the Royal Astronomical Society, 2013, 428, 678-690.	4.4	55
10	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. Astrophysical Journal, 2013, 763, 67.	4.5	54
11	Detection of an Atmosphere on a Rocky Exoplanet. Astronomical Journal, 2021, 161, 213.	4.7	50
12	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. Astrophysical Journal, 2013, 779, 91.	4.5	45
13	Mass loss from the exoplanet WASP-12b inferred from Spitzer phase curves. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1995-2013.	4.4	43
14	THE GROUND-BASED<i>H</i>-,<i>K</i>-,<i>L</i>-BAND ABSOLUTE EMISSION SPECTRA OF HD 209458b. Astrophysical Journal, 2014, 796, 48.	4.5	38
15	XO-2b: A HOT JUPITER WITH A VARIABLE HOST STAR THAT POTENTIALLY AFFECTS ITS MEASURED TRANSIT DEPTH. Astrophysical Journal, 2015, 810, 11.	4.5	38
16	Utilizing Small Telescopes Operated by Citizen Scientists for Transiting Exoplanet Follow-up. Publications of the Astronomical Society of the Pacific, 2020, 132, 054401.	3.1	31
17	A comprehensive reanalysis of <i>Spitzer</i>'s 4.5 $\hat{1}$ / ₄ m phase curves, and the phase variations of the ultra-hot Jupiters MASCARA-1b and KELT-16b. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3316-3337.	4.4	28
18	The Detectability and Constraints of Biosignature Gases in the Near- and Mid-infrared from Transit Transmission Spectroscopy. Astronomical Journal, 2020, 159, 117.	4.7	23

#	ARTICLE	IF	CITATIONS
19	Disequilibrium Chemistry in Exoplanet Atmospheres Observed with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2021, 162, 37.	4.7	22
20	MOA-2010-BLG-311: A PLANETARY CANDIDATE BELOW THE THRESHOLD OF RELIABLE DETECTION. <i>Astrophysical Journal</i> , 2013, 769, 77.	4.5	17
21	Constraining Exoplanet Metallicities and Aerosols with the Contribution to ARIEL Spectroscopy of Exoplanets (CASE). <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 094401.	3.1	15
22	Two Terrestrial Planet Families with Different Origins. <i>Astrophysical Journal</i> , 2019, 881, 117.	4.5	14
23	<i>Hubble Space Telescope</i> STIS Spectroscopy of the Peculiar Nova-Like Variables BK Lyn, V751 Cygni, and V380 Oph. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 942-951.	3.1	12
24	Ground-based Spectroscopy of the Exoplanet XO-2b Using a Systematic Wavelength Calibration. <i>Astronomical Journal</i> , 2019, 157, 21.	4.7	11
25	A survey of exoplanet phase curves with Ariel. <i>Experimental Astronomy</i> , 2022, 53, 417-446.	3.7	10
26	Evaluating Climate Variability of the Canonical Hot-Jupiters HD 189733b and HD 209458b through Multi-epoch Eclipse Observations. <i>Astronomical Journal</i> , 2020, 159, 51.	4.7	10
27	A New Analysis of Eight Spitzer Phase Curves and Hot Jupiter Population Trends: Qatar-1b, Qatar-2b, WASP-52b, WASP-34b, and WASP-140b. <i>Astronomical Journal</i> , 2022, 163, 256.	4.7	10
28	Multiband Photometry of the Chromospherically Active & Spotted Binary System IM Pegâ€™ the Guide Star for the Gravity Probe B Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 670-682.	3.1	7
29	Quantifying the Impact of Spectral Coverage on the Retrieval of Molecular Abundances from Exoplanet Transmission Spectra. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 104402.	3.1	4